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MONTHLY WEATHER REPORT

VOLUME 94

1977

LONDON

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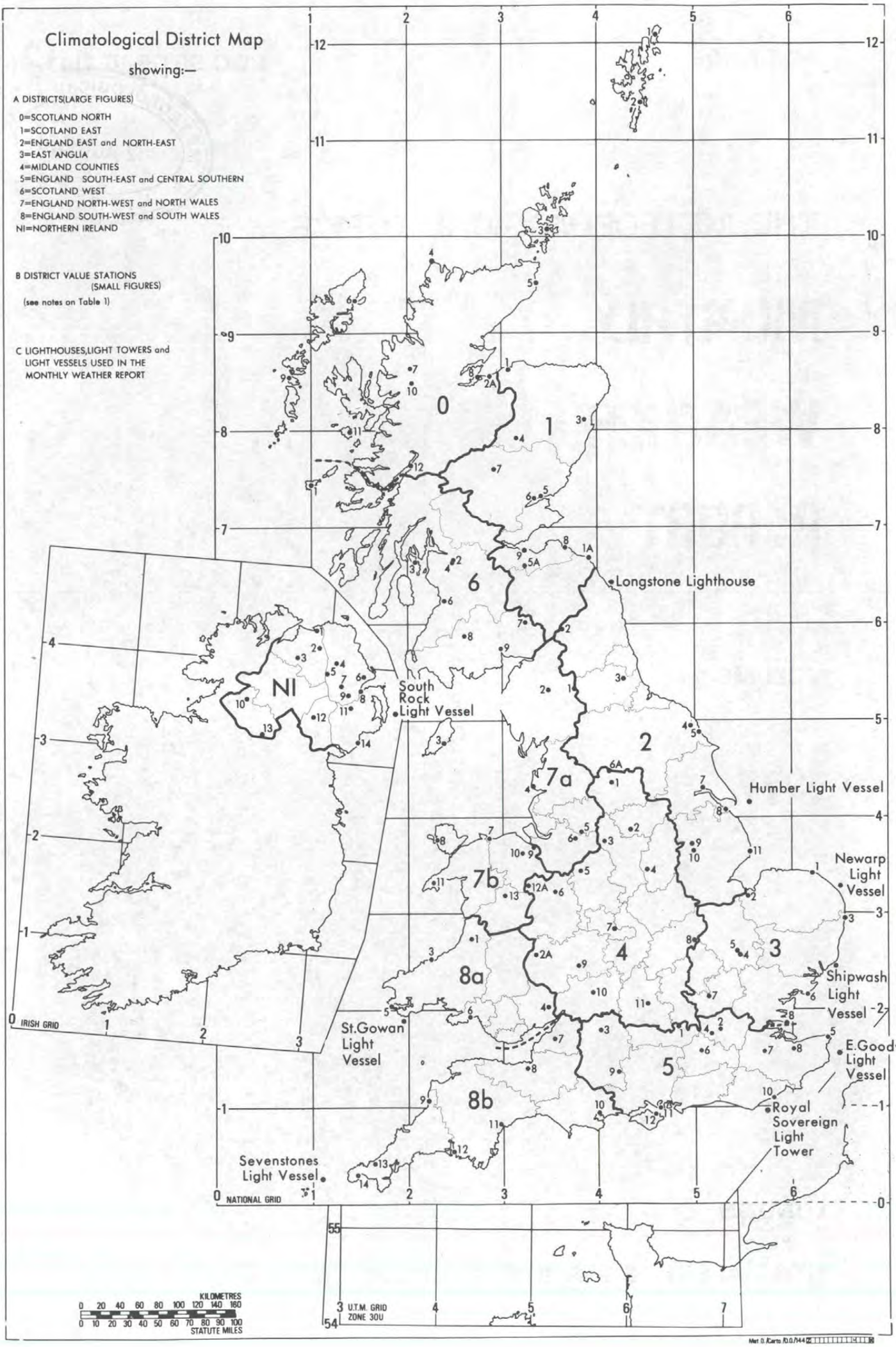
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Introduction

The *Monthly Weather Report* summarizes weather observations made at about 600 stations throughout the United Kingdom. Particulars of the standards required by the Meteorological Office and the methods to be adopted in making the observations are given in the *Observer's Handbook*.* In addition to many other data, the Report contains almost all the items recommended in the World Meteorological Organization's *Guide to Climatological Practices* for inclusion in publications of climatological data.

The Introduction to the *Monthly Weather Report* is published separately at the end of the year to which it refers and forms an explanatory part of the volume. It gives particulars of any changes made since the previous year both in the observations and in the stations completing returns. It also provides informative notes on the features contained in the Report and gives advance notice, as necessary, of projected changes. Every third year a complete list of stations submitting climatological returns is published in the Introduction together with the names of the authorities responsible for them. The publication of an Annual Summary, similar to the monthly reports but containing additional tables, concludes the *Monthly Weather Report* for a particular year.

A brief history of the Monthly Weather Report

Monthly summaries of observations made at stations associated with the Meteorological Office were first published in 1869 in the *Quarterly Weather Report,* a publication issued for each of the years 1869 to 1880. The *Monthly Weather Report* commenced in 1884. The gap from 1881 to 1883 is bridged for synoptic stations by a supplement to the *Daily Weather Report* and for other stations by tables in *Observations at Stations of the Second Order.* For the first four years the *Monthly Weather Report* appeared as a separate publication and this practice was resumed in 1922. In the interim period, that is from 1888 to 1921, it was issued as a supplement to the *Weekly Weather Report,* at first styled a 'summary' and then from 1907 entitled *Monthly Weather Report.* Data on radiation relating to the period 1911-21 were published in the *British Meteorological and Magnetic Year Book,* Part 3, Section 2, and for the period 1922-56 in the *Observatories' Year Book;* they first appeared in the *Monthly Weather Report* in 1935. The Introduction to the 1915 volume gave a detailed résumé of changes in content and layout, etc. up to that year, and subsequent changes were set out and explained in later Introductions, notably in those in 1921, 1923, 1955 and 1971. The Annual Summary began in 1903.

Heights, time standard, interpolation

Unless otherwise indicated the height of a station above mean sea level (MSL) is the height above Ordnance Datum of the ground on which the rain-gauge stands, while the height of barometer above MSL refers to the height above Ordnance Datum of the barometer cistern or precision aneroid. A note on the errors arising from differences between the old Liverpool Ordnance Datum and the Newlyn Ordnance Datum adopted in Great Britain in 1933 was included in the Introduction to the 1953 volume. From 1 January 1964 altitudes in Northern Ireland refer to the Belfast Datum which, on average, is about 0.3 metre (m) lower than the Newlyn Datum.

All times in the *Monthly Weather Report* are in Greenwich Mean Time (GMT) and observations are made at the same time GMT throughout the year.

*London, Meteorological Office, *Observer's Handbook* (Met.0.805), 3rd Ed. London, HMSO, 1969

When observations for any station are incomplete it is sometimes possible to estimate values for the missing data by using reports from neighbouring stations. Details of the procedures are given in the notes below on the individual tables. An entry of — in the tables means that for various reasons data were not available and an estimate could not be made : an entry of 0 indicates no occurrence.

Contents of the Monthly Weather Report

The monthly parts of the *Monthly Weather Report* and the Annual Summary have the following features in common: text, five climatological maps, Tables 1 to 6 and late or amended data. The summary for the year has, in addition, Tables 7 to 12. A description of these sections now follows.

Text

An account is given under standard headings of the weather over the United Kingdom. It should be noted that the term 'sleet' is used when snow occurs with rain or drizzle. With effect from January 1978 the note under 'Miscellaneous Phenomena' reporting observations in Scotland of the aurora will be discontinued. Occurrences are no longer noted regularly and recent counts are therefore not comparable with those made in earlier years.

Table 1 District values

Although the system of using the mean of statistics of a selection of stations to represent district values was initiated in the *Weekly Weather Report* in 1878, it was introduced in the *Monthly Weather Report* only in 1908. At first the district values were given in the table of station summaries, but in 1912 they were transferred to a special table called 'District Values' which, in 1914, was numbered Table 1. Elements at first included in this table were air temperature, earth temperature, sunshine, rainfall, cloud amount and pressure at MSL for the Districts 0 to 11. Districts 0 to 8 approximated to the present districts. Districts 9 and 10 (north and south Ireland respectively) and District 11 (English Channel) continued until 1940; in 1941 Northern Ireland, as a separate unnumbered district, was added to Districts 0 to 8. Notable changes during the evolution of this table occurred in the following years: 1928 when data for pressure and cloud were discontinued; 1941 when the table assumed substantially its present form; 1964 when data for the whole of Scotland and the whole of England and Wales were included (although the percentages of average rainfall, based on data from a larger number of stations than those used in the individual districts, had appeared regularly in the text since 1921); 1971 when the individual district values of percentages of average rainfall were also calculated using a larger number of stations, and data for earth temperature at 122 cm ceased.

The major reorganization of local government which took place in England and Wales during 1974 led to the creation of several new counties and to large changes in the boundaries of certain of the older counties. It was decided that the climatological districts should continue to be defined in terms of administrative counties, and in consequence the boundaries of the climatological districts in England and Wales were modified. Similar slight changes to the climatological districts in Scotland became necessary as a result of the reorganization of local government there during 1975. The district boundaries are shown on the map (frontispiece).

The district values for air temperature, earth temperature, rain days and sunshine are currently computed from the available values for the individual stations (known as 'District Value Stations') listed below. Until 1975 five such stations were normally selected for each of these elements, as representative of each climatological district, but in January 1976 the list was revised and expanded in order to obtain improved areal averages. For the same reason a few stations have been included in adjacent districts as well as, or instead of, in their normal district. In the case of earth temperature the choice of stations has been restricted by the scarcity of long-period records. Northern Ireland constitutes one district and each of the other nine are made up of a number of adjacent counties or regions in Great Britain, broadly grouped according to their general climatic features. The positions of the District Value Stations used in each district are shown on the map (frontispiece). The highest maximum and lowest minimum air temperatures are for the District Value Stations only. The differences from average of air temperature, earth temperature and number of rain days, also the percentage of average sunshine for each district, are the means of the corresponding values for each District Value Station. In order to obtain a representative areal average, percentages of average rainfall in each district are the means of the corresponding values for a larger number of stations than the District Value Stations used for the other elements. The number varies with district from 28 in the Midland Counties to 11 in Northern Ireland and includes some which report rainfall only. Details of the stations used may be obtained on request. The values given in the table for Scotland and for England and Wales are the means of the values for the several districts within these countries. Since January 1974, 1941-70 averages for each of the District Value Stations, weighted where records are incomplete, have been used to compute anomalies of the various climatic elements in Table 1; these averages may be obtained on request.

District 0		
1	Baltasound	— — E —
2	Lerwick	T r — S
3	Kirkwall	T r — S
4	Cape Wrath	T r — —
5	Wick	T r — S
6	Stornoway	T r — S
7	Kinlochewe	— — E —
8	Fortrose	T r — S
9	Benbecula	T r — S
10	Achnashellach	T r — —
11	Isle of Rhum	— — E —
12	Onich	T r — S
District 1		
1	Kinloss	T r E —
2A	Nairn	— — — S
3	Craibstone	T r E S
4	Braemar	T r — S
5	Dundee	T r — S
6	Mylnefield	— — E —
7	Faskally	— — E —
8	Dunbar	T r — S
9	Edinburgh (R.B.G.)	T r E S
	Eskdalemuir	T r E S
District 6		
1	Tiree	T r — S
2	Abbotsinch	T r — S
3	Rothesay	— — E —
4	Paisley	— — E —
5A	Penicuik	T r E S
6	Auchincruive	T r E S
7	Eskdalemuir	T r E S
8	Dundeugh	— — E —
9	Dumfries	T r — S
	Onich	T r — S
District 2		
1A	St Abbs Head	T — — —
2	Kielder Castle	— — E —
3	Durham	T r E S
4	Silpho Moor	— — E —
5	Scarborough	— — — S
6A	Ilkley	T r — S
7	Hull	T r E S
8	Cleethorpes	T r — S
9	Lincoln	T r E —
10	Waddington	— — — S
11	Skegness	T r — S
	Terrington St. Clement	T r E S

District 3		
1	Cromer	T r — S
2	Terrington St. Clement	T r E S
3	Lowestoft	T r E S
4	Cambridge (B.G.)	T r E —
5	Cambridge (N.I.A.B.)	— — — S
6	Clacton-on-Sea	T r E S
7	Rothamsted	T r E S
8	Shoeburyness	T r — S
	Raunds	T r E S
District 4		
1	Bradford	T r E S
2	Sheffield	T r — S
3	Buxton	— — E —
4	Watnall	T r — S
5	Keele	— — E —
6	Shawbury	T r — S
7	Elmdon	T r — S
8	Raunds	T r E S
9	Malvern	— — E —
10	Cheltenham	T r — S
11	Oxford	T r E S
District 5		
1	Hurley	— — E —
2	Kensington Palace	— — E —
3	Lyneham	T r — —
4	Kew	T r — S
5	Margate	T r E S
6	Wisley	T r — S
7	East Malling	T r — S
8	Faversham	— — E —
9	Porton	T r E S
10	Hastings	T r — S
11	Southsea	— — E —
12	Ryde (I.O.W.)	T r — S
District 7		
1	Moor House	— — E —
2	Newton Rigg	T r — S
3	Douglas (I.O.M.)	T r — S
4	Squires Gate	T r — S
5	Ringway	T r — S
6	Knutsford	— — E —
7	Colwyn Bay	— — — S
8	Valley	T r — S
9	Hawarden Bridge	T r — —
10	Loggerheads	— — E —
11	Botwnnog	— — E —
12A	Oswestry	— — — S
13	Lake Vyrnwy	T r E —

District 8		
1	Trawscoed	— r — S
2A		T — — —
3	Aberporth	T — — —
4	Crumbland	— r E —
5	Dale Fort	T — E —
6	Swansea	T r E S
7	Long Ashton	T r — S
8	Cannington	— — E —
9	Bude	T r — S
10	Poole	T r — S
11	Starcross	T r E S
12	Plymouth Hoe	— — E —
13	Rosewarne	— — E —
14	Penzance	T r — S
Northern Ireland		
1	Coleraine University	— — — S
2	Moneydig	T r E —
3	Banagher Filters	— r — —
4	Lisnafillan	— r — —
5	Toomebridge	— r — —
6	Woodburn North	— r — —
7	Aldergrove	T — — S
8	Belfast Pumping Station	— r — —
9	Stoneyford Res.	— r — —
10	Castle Archdale Forest	T — E S
11	Hillsborough	T r E S
12	Armagh	T r E S
13	Crom Castle	— r — —
14	Annalong Valley	— r — —

T = air temperature
r = rain days
E = earth temperature at 30 cm
S = sunshine

The stations are numbered to show their position on the map (frontispiece).
Stations marked A are those included in an adjacent instead of in their normal district.
Stations which appear in two districts are numbered in their normal district only.

Maps

The published maps are simplified and are meant to give only a general impression of the distribution of the climatological elements. The value of an element at a point should be determined from tabulated data rather than by attempting to read it from the relevant map. The distribution of precipitation is given by means of isohyets on a full-page map. The analysis is based upon data from about 6500 stations and in order to improve legibility certain isohyets may be omitted in areas of heavy rainfall. A page of four maps based on all available data illustrates the mean 09 h pressure at MSL, the mean air temperature at MSL, the mean daily bright sunshine and the difference of mean 30 cm earth temperature from the 1941-70 average. Acknowledgement is made to the Director of the Meteorological Service, Dublin for kind permission to include certain data on the pressure map. The temperature map also includes mean sea-surface temperatures at certain locations in coastal waters named on the map (frontispiece). The distribution of mean daily bright sunshine is given in hours per day. The averages of earth temperature at 30 cm used to prepare data for the anomaly map may be obtained on request.

Table 2 Solar radiation and illumination

Records of solar radiation at normal incidence measured at Kew Observatory were first published in the Monthly Weather Report in 1935 as Table III (c), which became Table III (b) in 1940. Total illumination on a horizontal surface was added for Kew in 1948 and for London Weather Centre in 1950. In 1956 the direct (normal incidence) values at Kew were replaced by total and diffuse solar radiation on a horizontal surface, and data for other stations were added. The table was renumbered Table XIII in 1957 and Table 2 in 1971. Since January 1977 the word 'total', referring to both solar radiation and illumination on a horizontal surface, has been replaced by the word 'global': this alteration implies no change in the method of measurement, but merely brings the nomenclature into line with current WMO practice. Publication of global illumination on a horizontal surface ceased at the end of 1977. From January 1978 daily totals of solar radiation will be expressed in megajoules per square metre.

The instruments used for the radiation records are Moll-Gorczynski pyranometers. Meteorological Office pattern bimetallic actinographs may be used as standby instruments for recording total radiation. Daylight illumination is measured photoelectrically (Kew MkV Instrument). From 1 January 1957 the radiation values have been measured in accordance with the International Pyrheliometric Scale (1956). If in any month the data for any days are incomplete, owing to instrumental or other faults, these data are augmented whenever possible by values estimated from other available radiation data. The mean daily value for complete days is then taken, but if seven or more days in the month are still incomplete then the daily mean for the month is not published. The daily means for the year are computed from the monthly means. Up to and including the table for December 1965, no value for an extreme was given when it was possible that the extreme value for the month or for the year occurred on a day for which the data were either incomplete or estimated. In this table, with effect from January 1966, if the extreme value has been obtained from the data which have been partly or wholly estimated then the value is given in parentheses().

It is sometimes found advisable to apply revised calibration constants retrospectively; the values published in this table are liable therefore to correction. A review of all published data is constantly being carried out and any necessary amendments are issued in the Annual Summary.

From January 1977 the 'Bracknell' station has been listed as 'Easthampstead', as in earlier years: the site, which is about 4 km SSW of the centre of Bracknell, has always been at Easthampstead.

Table 3 Summary of daily observations

Summaries of daily observations appeared in the *Monthly Weather Report* from its inception in 1884. In 1914 these data were collected into one table, almost identical to its present form, called Table III which became Table 3 in 1971. From January 1974 stations appear alphabetically under local government administrative areas which are themselves arranged as far as possible in geographical order (north to south and east to west) within climatological districts.

Statistics in parentheses () have been prepared using estimates to replace missing data. Values of averages used in this table may be obtained on request.

Height of Station. As intimated earlier in the note on heights, the height given in the third column of the table refers to the ground on which the rain-gauge stands.In general it may be assumed that observations of other elements, with the occasional exception of sunshine, are made in the immediate vicinity of the rain-gauge. A notable exception occurs at Ventnor where all observations other than rainfall are made at 60 metres (m) above MSL.

Air Temperature. The times at which maximum and minimum temperatures are read at each station are given in the second column of the table. When the entry is 9 9, the thermometers are read only once each day; the entries in column four (means of max. and min.) refer to periods of 24 hours ending at 09 h, the mean temperature in column five (daily mean) is calculated from these values, and the extremes in columns seven and eight (highest maximum and lowest minimum) also refer to a 24-hour period ending at 09 h. A maximum temperature read at 09 h is always credited to the previous day, but the minimum temperature is credited to the day on which it is read. When the entry in the second column is 21-9, the thermometers are read twice each day; the entries in column four are the day maximum and the night minimum respectively, the mean temperature in column five is calculated from these values, but the extremes in columns seven and eight refer to periods of 24 hours ending at 09 h. A maximum temperature read at 09 h is again always credited to the previous day, but if the minimum temperature occurs within the period 9-21 h, it will be credited to the date on which it occurred, and not to the following day. The monthly means and the extreme minima at the two types of station are thus not always strictly comparable, since they refer to temperatures read at different times.

The measurements of air temperature are obtained from thermometers exposed in white painted louvered screens supported over short grass in the open, the bulbs of the thermometers being 1.25 m above ground. The nearest object should be at least twice its height away from the screen. Two measurements of air temperature are published for Eskdalemuir, Kew and Lerwick: one is obtained from an electrical resistance aspirated psychrometer at 1.25 m above the ground and the other from thermometers in a louvered screen as above, except at Kew where the louvered screen is on the north wall of the Observatory and about 8 m above the general level of the ground.

Earth Temperature. Measurements of earth temperature are taken at 09 h from special thermometers suspended in steel tubes sunk vertically in the ground, the bulbs being at depths of 30 cm and 100 cm. The tubes are fitted with covers so that water, etc., will not collect in the interior.

Rainfall. The rainfall total includes water derived from all forms of precipitation collected in the rain-gauge, i.e. from dew, fog, hoar frost and rime, as well as from rain, drizzle, sleet, snow and hail. The daily amount for any station is the total accumulated during the 24 hours from 09 h on one day to 09 h on the next. The total is credited to the former of the two days as the greater part of the period occurs on that day; thus, the amount of rainfall measured at 09 h on the first day of the month is included in the monthly total for the previous month.

Weather (Number of Days).

Precipitation: Every day (defined as the period 09 h to 09 h) during which the total precipitation is at least 0.2 millimetre (mm) and again when it is at least 1.0 mm is counted. A 'trace' of precipitation (less than 0.05 mm) is excluded by the lower limit and thus most occasions on which precipitation is wholly in the form of dew are excluded.

Snow or sleet: Every day when snow or sleet (rain or drizzle and snow) is observed to fall at any time between midnight and midnight is counted, even though the quantity may be so small that no measurable precipitation is collected in the rain-gauge.

Snow lying at 09 h: Every day when snow is lying at 09 h is counted, provided that the snow covers more than one half of the ground easily visible from the station and the altitude of this ground does not differ by more than 30 m from that of the station. In judging if more than one half of the ground is snow covered no account is taken of bare patches under trees or of areas occupied by water.

Hail: For the purpose of this summary hail is defined as pieces of ice with diameters of 5 mm or more falling either separately or agglomerated into irregular lumps, and the day is between midnight and midnight.

Ice pellets, etc: A day of ice pellets, etc. is counted if, during a period midnight to midnight, any of the following occur: diamond dust (formerly called ice prisms) or snow grains, snow pellets or ice pellets less than 5 mm in diameter.

Thunder heard: A day of thunder is counted when thunder is heard at any time during the period midnight to midnight.

Fog at 09 h: A day of fog is one on which at 09 h the visibility is less than 1000 m in the direction of worst visibility. Any variation in the time of observation may make a great difference to the statistics of fog frequency.

Air frost: An air frost is counted when the minimum air temperature read at 09 h (or 21 h) is below 0 °C.

Grass minimum below 0 °C: A day of grass minimum temperature below 0 °C is counted when the reading on the grass minimum thermometer at 09 h is below 0 °C, the temperature being credited to the day of reading. The thermometer is set and exposed either at 21 h, soon after sunset on the previous evening, or, where this is not possible, at 09 h on the previous day. From January 1978, however, the thermometer will be set and exposed at the last hour of observation before sunset; at some stations this will be at 09 h. The grass minimum temperature refers, therefore, either to a shorter period which includes the night, or to a 24-hour period ending at 09 h.

Concrete minimum below 0 °C: At a number of stations a minimum thermometer is set and exposed at the same times as the grass minimum thermometer, but with its bulb resting on the centre of the smooth surface of a slab of concrete of specified standard dimensions and composition. A day of concrete minimum temperature below 0 °C is analogous to a day of grass minimum temperature below 0 °C.

Gale: A day of gale is counted when a mean wind speed reaches or exceeds, or is estimated to have reached or exceeded, 34 knots (kt) (force 8 on the Beaufort Scale) over a period of at least several minutes (10 minutes in the case of a station equipped with an anemograph) during the period midnight to midnight.

Sunshine: The sunshine recorder is generally insensitive to sunshine when the sun is at an elevation of less than about 3°. The symbol S in the column headed exposure indicates that obstacles obstruct the rays of the sun during more than 5 per cent of the period during which the sun is over 3° above the horizon. Details of percentage obstruction at sites annotated S are available on request.

Table 4 Summary of observations at fixed hours

Fixed-hour observations of various elements have appeared in the *Monthly Weather Report* since 1906 when the hours were 09 and 21 h for voluntary climatological stations and 08 and 18 h for official (then known as telegraphic reporting) stations. In 1909 the hours became 09, 15, 21 h and 07, 13, 18 (or 21) h respectively. The table assumed its present form in 1914 but it was not called Table IV until 1915. The hours for official stations became 07, 13, 18, 21 (or 01) h in 1923 and 00, 06, 12, 18 h in 1944. In 1945 the hours for all stations became 03, 09, 15, 21 h. The order in which stations appear is the same as that used in Table 3.

Observations may not be available for all stations at all the four hours quoted above and no summary is published for any element for which data are incomplete.

Mean Pressure. The atmospheric pressure is expressed in millibars (mb); 1 mb = 100 newtons per square metre (1000 dynes per square centimetre). Barometer readings are corrected for local conditions of gravity, temperature and elevation so as to obtain values of air pressure at MSL. The averages of atmospheric pressure at MSL at 09 h used in this table refer to the period 1941-70 and are given in Climatological Memorandum No 51A obtainable from the Meteorological Office.

Humidity. Monthly mean values of vapour pressure and relative humidity are calculated from daily readings of dry-bulb and wet-bulb thermometers in louvered screens, except at Eskdalemuir, Kew and Lerwick where readings of aspirated psychrometers are used.

Cloud Amount. The unit used to indicate the proportion of the sky covered by cloud is the 'okta' or eighth of the sky. The scale runs from 0, which indicates a cloudless sky, to 8, which is a completely overcast sky The phrase 'sky obscured' is an abbreviation for 'sky obscured or cloud amount cannot be estimated', previously indicated in this table by the figure 9.

Surface Wind Speed and Direction. Speeds are adjusted to an effective height of 10 m. At a station which has an anemograph the mean speed and mean direction over an observation period of 10 minutes ending at the hour are used. However, if there has been a significant change in speed (10 kt or more) or direction (30 degrees or more) and the new mean value has been maintained for at least 3 minutes then this value is used instead. Where there are indicating instruments only, the means of several 15-to 20-second readings taken over the period of observation are used, but again, if there has been a significant change, the means of several readings after the change are used instead. At a station with no wind instruments an eye estimate is made of direction, and speed is estimated using the Beaufort scale of wind force.

Table 5 Number of days with maximum and minimum temperatures between given limits

For the year as a whole this table has been published in the *Monthly Weather Report* since the summary for 1913 and has also appeared monthly since January 1956. Data for about 20 selected stations are given in the table which, in 1913, was called Table IV and, after three years as Table VIII, it became Table IX from 1917 to 1951. The table reverted to Table VIII in 1952 and it was renumbered Table 5 in 1971. For stations at which extreme temperatures are read at both 09 and 21h, Table 5 contains only day maxima and night minima. Thus the statistics for these stations are not strictly comparable with statistics for those at which extremes are read at 09 h only (see notes on air temperature, Table 3).

Table 6 Summary of autographic records of wind

Tables in a similar form to this, summarizing monthly and annual wind data for stations with anemographs, were first published in the *Monthly Weather Report* in 1914. At first the monthly table was called Table V, but it became Table II in 1915; minor revisions were made to it in 1923 and 1956 and it was renumbered Table 6 in 1971. The annual table began as Table XI, changed to Table XII in 1915, reverted to Table XI in 1919 and became Table IX in 1952. It was renumbered Table 6 in 1971, becoming strictly analogous to its monthly counterpart. The order in which stations appear is the same as that used in Table 3. The majority of records used in the preparation of this table are obtained from electrical anemographs, only a few now being from pressure-tube anemographs.

Up to 1920 all available records were summarized regardless of missing data. In 1921 records having 366 hours or more missing during a year were not summarized in the annual table and in 1923 this limit was raised to 500 hours. No limitation appears to have been placed on monthly data, but from 1922 some records described as 'defective' were not published. From 1954 no monthly summaries were published of records with more than 80 hours missing. From the same year entries in the columns headed 'highest velocities' in both monthly and annual tables were placed in parentheses () - which were changed to square brackets [] in 1966 - if it was thought that these values might have been exceeded during a period of defective or missing record. From 1971 the criteria given below have applied to the publication of data in this table.

1. The distribution of hourly mean values of wind speed has not been published monthly if
   (a) data were missing or estimated for more than 80 hours, or
   (b) data were missing or estimated for 80 hours or less, but there were 40 or more consecutive hours of missing or estimated data.

The 80 and 40 hours correspond broadly to 10 per cent and 5 per cent of the month and such a loss is considered acceptable.

2. The distribution of hourly mean values of wind speed has not been published annually if
   (a) data were missing or estimated for more than 800 hours, or
   (b) data were missing or estimated for 800 hours or less, but there were 400 or more consecutive hours of missing or estimated data.
3. The mean hourly wind speed for the month is computed by dividing the sum of the actual and estimated hourly mean wind speeds by the total number of hours for which the data were summed. Values of the monthly mean speed are not published if the distribution of hourly mean values of wind speed is not published.
4. Prior to 1974 values of highest hourly wind and gust were published even when the distribution of hourly mean values of wind speed was not, provided only that by comparison with neighbouring stations, it was considered unlikely that the values had been exceeded during any period of missing observations. From 1974 values of highest hourly wind and gust are omitted from the monthly tables when the distribution of hourly mean values of wind speed is not published, but the pre-1974 practice still applies to the publication of annual data.
5. If the above criteria result in no summary or only a partial summary, the entry 'Defective record' is inserted in the table.

From the beginning of 1973 the criteria above have been modified as follows:

1 and 2: Delete the words 'or estimated' wherever they occur.

5. An entry of 'Defective record' means that some data are available, but for various reasons, which include those stated in 1 and 2, they have not been summarized.

The classification of surface wind speed is based on the Beaufort scale of wind force which ranges from 0 representing no wind to 12 representing hurricane force (see *Observer's Handbook,* 3rd Ed. pages 82 and 83). The equivalent speeds given in the Beaufort scale apply only to an anemograph exposed at an effective height of 10 m. Effective height is the height over open level terrain in the vicinity of the anemograph at which, it is estimated, the same mean wind speeds as those actually recorded would occur. The table includes some information concerning the actual exposure of the instrument at each station. 'Height of vane' refers to the height of the wind-speed sensor, that is, the vane of a pressure-tube anemograph or the cups of an electrical anemograph. In the columns headed 'number of hours' under the general heading 'distribution of hourly mean values of wind speed' the entries refer to the number of 60-minute periods beginning at exact hours in each of which the mean wind speed (not adjusted to an effective height of 10 m) was between the stated limits. These column limits are the equivalent speeds given in the Beaufort scale and correspond to wind speeds (meaned over an hour) of Force 8 and above (gales), Forces 7 and 6 (strong winds), Forces 5 and 4 (moderate breezes), Forces 3 and 2 (light breezes) and Forces 1 and 0 (nearly calm or calm). The 'highest hourly wind' refers to a period of 60 minutes beginning at an exact hour. The directions shown in the columns headed 'veer from N' are the directions (true) from which the wind blew, for example, the entry for an east wind is 090, that for a south wind 180 and so on.

Table 7 Number of hours with gusts exceeding 33 knots and 47 knots in each month and during the year

This table appears in the Annual Summary. It was first published in the *Monthly Weather Report* in 1934 as Table XIIA; it became Table X in 1952 and Table 7 in 1971. When a period of missing or defective record rendered a value doubtful, that value was placed in parentheses () and from 1966 in square brackets []. The value was omitted if it was considered that the record was excessively incomplete. From 1971 no values have been published for months when the distribution of hourly mean values of wind speed in Table 6 was not published, except where there was reasonable certainty (by a comparison with neighbouring stations) that there were no hours with gusts exceeding the limit during any period of missing or estimated data. No annual values have been published if data for any month were missing. From January 1973, a change in the procedure for the extraction of number of hours of gusts has resulted in a slight change in the statistic. Up to and including December 1972, the number of hours of gusts in any windy period was determined by considering the interval of time between the first gust and the last gust to exceed the threshold. From January 1973 the tabulation has included the number of 60-minute periods beginning at exact hours during which gusts above the relevant threshold have occurred. Thus, the new procedure yields slightly higher values of the number of hours of gusts than did the old procedure. An investigation was undertaken to obtain empirical relationships between the old and new statistics and details can be made available on request.

Table 8 Dates on which gusts exceeded 47 knots during the year

A similar table to this appeared in 1908 as an appendix to the *Weekly Weather Report* and was transferred to the *Monthly Weather Report* in 1914 as Table XV. In 1919 and 1920 and from 1923 to 1951 the table number was XIV. In 1952 it was renumbered Table XII and in 1971, Table 8.

This table includes all dates on which gusts exceeding 47 kt were recorded. From about 1940 the table also included notes of all periods during which the record was missing or defective. However, from 1971 reference has been restricted to those periods of missing or defective data during which it is considered that gusts may have exceeded 47 kt, thus indicating that the number of occasions published may be too few.

Table 9 Occasions on which the maximum hourly mean wind was 41 knots or more (strong gale) during the year

Although these data were published for the years 1900 to 1904 in the *Annual Report of the Meteorological Council,* they were first tabulated in the *Monthly Weather Report* in 1905, but from 1908 to 1913 they were given as an appendix to the *Weekly Weather Report.* The table was transferred again to the *Monthly Weather Report* in 1914 as Table XIV and it became Table XIII in 1919; the table was called Table XI from 1952 and it was renumbered Table 9 in 1971.

All recorded occasions are included and, from 1971, there has also been a note of any period of missing or defective data during which it is considered that the criterion may have been met.

Table 10 Highest and lowest maximum and minimum temperatures during the year at each station

This table is published in the summary for the year and dates from 1913 when, as Table 1, it gave the temperature and date of the coldest day (lowest maximum temperature) and warmest night (highest minimum temperature) in the year at as many stations as possible. In 1914 it became Table V and contained, in addition to the above data, similar details of the coldest night (lowest minimum temperature) and warmest day (highest maximum temperature) in the year. In 1969 the table assumed its present title and in 1971 it was renumbered as Table 10.

For those stations at which extreme temperatures are read at both 09 and 21h the temperatures quoted are night minima and day maxima (see air temperature notes on Table 3).

Table 11 Number of days on which the duration of sunshine was between given limits in each month

Published in the Annual Summary, this table dates from 1913 when, as Table II, monthly and annual frequencies were given for about 20 stations. In 1914 the table became Table VI and in 1949 the annual frequencies were discontinued. The table was renumbered Table 11 in 1971.

Table 12 Number of days with rainfall between given limits

This table, which gives yearly data only, has appeared in the Annual Summary since 1914. At first it was headed Table IX, it became Table VIII in 1916 and Table VII in 1952; it was renumbered Table 12 in 1971. The stations selected for this table numbered around 20 up to 1955, since when the number has been about 30.

Quality control of data

Prior to the compilation of the summaries which appear in the tables, the data are subjected to critical scrutiny to detect and eliminate as far as possible errors arising from misreading of instruments and miscopying. Computer methods are used to detect those values which, on meteorological grounds, appear suspect. Human scrutiny then determines whether the data are, in fact, erroneous and correction action is taken in consultation with the observers concerned. The great advantage of computer scrutiny is that all data can be subjected quickly to a common level of checking which was not attainable with conventional 'hand and eye' methods. All the tables are prepared by computer after corrections have been incorporated.

Stations completing climatological returns

This section contains amendments to the complete list of stations published in the Introduction to the *Monthly Weather Report* in 1975. Stations are categorized into the following types:-

O. Observatories where extensive programmes of meteorological (and other) observations for a variety of purposes are in continuous operation.

Sa, Sb. Synoptic stations whose observations are used primarily in weather forecasting. Stations annotated Sa and Sb are manned respectively by Meteorological Office and non-Meteorological Office personnel.

C. Climatological stations co-operating voluntarily with the Meteorological Office where observations are made usually once daily at 09 GMT.

Ag. Agricultural meteorological stations are climatological stations as above participating in a scheme inaugurated by the Ministry of Agriculture, Fisheries and Food, and the Department of Agriculture for Scotland in co-operation with the Meteorological Office.

H. Health resort stations are climatological stations as above and, in addition, participate in a scheme whereby information is sent daily to the Meteorological Office for communication to the Press.

A. Anemograph stations are equipped with instruments for recording surface wind. The records are analysed and summaries of data prepared.

Sun. These stations record duration of bright sunshine.

Additions

Station (Region/County)	Type	First published in MWR	Lat.	Long.	Grid Reference	Authority
Aberdare Filter Station (Mid Glamorgan)	C	Not publ.	51 43N	03 27W	SN-999022	Welsh National Water Development Authority
Audley End (Essex)	C	Not publ.	52 01N	00 13E	TL-525384	Anglian Water Authority
Burrington (Devon)	A	Not publ.	50 56N	03 59W	SS-606168	Civil Aviation Authority
Cardiff (Bute Park) (South Glamorgan)	C	Not publ.	51 29N	03 19W	ST-176773	City of Cardiff
Cavendish (Suffolk)	C	Not publ.	52 05N	00 38E	TL-801468	Mr. M.G.J. Pizzey
Cellarhead (Staffordshire)	A	Not publ.	53 02N	02 05W	SJ-944494	Central Electricity Generating Board
Chawleigh (Devon)	Sb	Not publ.	50 54N	03 49W	SS-727123	Mr. M.L.H. Sampson
Craighouse (Strathclyde)	C	Not publ.	55 50N	05 57W	NR-527680	Small Isles School
Geisgeil (Highland)	C	Not publ.	58 19N	05 08W	NC-170410	Highland River Purification Board
Hope (Powys)	C	Not publ.	52 40N	03 07W	SJ-249077	Mr. E.G. Carswell
Largs (Strathcylde)	C	Not publ.	55 48N	04 51W	NS-215603	Cunninghame District Council
Levington (Suffolk)	C	Not publ.	52 01N	01 16E	TM-241399	Fisons Ltd.
Llanfair Caereinion (Powys)	C	Not publ.	52 39N	03 17W	SJ-133057	Mr. R.W. Parr
Magherally (Down)	C	Not publ.	54 21N	06 09W	IJ-173472	Mr. J. Elliott
Newry (Down)	C	Not publ.	54 08N	06 16W	IJ-091247	Department of the Environment
Okehampton (Devon)	Sb	Not publ.	50 43N	04 00W	SX-585928	Mr. & Mrs. T.W. Brooks
Uplawmoor (Strathcylde)	C	Not publ.	55 45N	04 30W	NS-432552	Strathclyde Regional Council
Yarner Wood (Devon)	C	Not publ.	50 36N	03 44W	SX-785784	Nature Conservancy Council

Since January 1976 fuller climatological data have been published for the Weather Centres at Glasgow, Newcastle, Manchester, London and Southampton. It should be noted, however, that exposures at these stations are non-standard, especially with regard to temperature and rainfall, since the readings are taken at urban roof sites.

Deletions (stations closed or ceased sending returns)

Aberdare	Ellbridge	Maldon
Ballymoney	Esgairwen-Uchaf	Newport
Barrhead	Fairford	Pershore, Royal Radar Est.
Brigg	Houghall	Pubble Forest
Burlingham	Huddersfield, Ravensknowle	Rubh Re
Cardiff	Llety-Evan-Hen	Somerset Forest
Creightons Green	Long Lawford	Speke Airport
Cumbernauld		Timpany

Changes in station details

Change of Authority:-

Balmacara	—	Highland Regional Council
Dumfries	—	West of Scotland Agricultural College
Forres	—	Grampian Regional Council
Heaste	—	Mrs. E.N. Waugh
Little Parndon	—	Thames Water Authority
Rothesay	—	Mr. J.B. Simpson
St James Park	—	Meteorological Office

Change of Type:-

Carmoney	C to Sb	Sheffield (Weston Park)	CA to C
Culdrose	C to SbA	Southport	HA to H
Guernsey Airport	Sa to SaA	Spurn Point	Sb to SbA
Killough	Sb to SbA	Tenby	S to H
Prabost	C to Sb	Wyton	Sa to SaA
Preston Wynne	Ag to AgA	Yeovilton	Sb to SbA

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MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

MET.0.908 UDC 551 506 1(41-4)

JANUARY 1977

VOLUME 94 NUMBER 1

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Snowy and very cold at times; some mild spells.

A deep depression crossed England and Wales on the 1st, to be followed firstly by a northerly flow and then by a ridge from an anticyclone to the south-west. Fronts crossed all districts from the north-west between the 4th and the 6th and further fronts moved south across all parts on the 9th. A complex area of low pressure to the east extended westwards on the 11th and the gradient became slack for a time, but between the 13th and the 15th a depression with associated fronts approached south-west England and crossed southern districts. The northerly airstream which followed was succeeded by a ridge of high pressure. During the period from the 18th until the last few days of the month a succession of frontal systems from the Atlantic crossed all areas, mostly moving from south-west to north-east. A small anticyclone which developed off north-west Scotland on the 28th moved to southern England on the 30th, and was followed by further troughs of low pressure.

Weather

Rain and wintry showers fell in places during the first few days and it then became rather mild. Scattered showers and outbreaks of rain continued to occur, but from the 10th it became very cold with heavy falls of snow from time to time until the 19th. It then became milder again with further rain and showers, but colder weather and wintry showers returned by the 27th, although southern districts were sometimes mild. There were sunny spells during the month, but fog was sometimes persistent. Gales were severe at times on coasts.

Wind

Winds were fresh or strong in exposed places for much of the month and not infrequently reached gale force. The gales were severe at times, particularly in southern England on the evening of the 25th, when gusts exceeding 70 kt were recorded at several places along the Channel coast. Fallen trees blocked roads in adjacent counties and a motorist was killed by one in Surrey. In the early hours of the 26th a gust of 88 kt was recorded at High Bradfield (405m) in South Yorkshire. Wind directions during the month were cyclonic at times, but were broadly between north-west and south-west until the 9th and between north-west and north-east from the 10th to the 17th. South-easterly to southerly winds then prevailed until the 26th, after which directions became variable.

Temperature

Monthly mean temperatures were between 1 and 2 °C below normal in parts of Northern Ireland, southern Scotland and extreme northern England. Because mild spells alternated with colder weather, however, values elsewhere were generally not more than 1 °C below average and were even a little above average in parts of south-east England and northernmost Scotland. Temperatures were rather variable during the first week; there were some cold nights, but it was mild in many places after the first few days. In Scotland and extreme northern England monthly maxima were mostly recorded on the 4th or the 5th: at Craigdarroch (Highland Region) the temperature rose to 12.7 °C on the 4th. It became very cold in most districts between the 10th and the 18th and the temperature of -17.8 °C at Braemar (Grampian Region) on the night of the 17th/18th was the lowest recorded there in January since 1963. The weather then became much milder, and over most of England and Wales maximum temperatures for the month occurred on the 25th, when Innsworth (Gloucestershire) recorded 13.6 °C, but cold conditions returned to most districts towards the end of the month.

Rainfall (including melted snow)

Monthly rainfall totals were above normal almost everywhere in England, except in the north-west, with values exceeding 150 per cent in places on the eastern side. In Northern Ireland eastern counties also had the higher percentages, but there was no clear pattern in Wales. Rainfall in Scotland was generally below average in inland areas and above average in the north-west, the south-west and the east. Totals in the south-east exceeded 150 per cent of average in places and Whitchester (Borders Region) recorded twice its normal amount of rain for January. In marked contrast, some places in and around the Great Glen had less than half their usual rainfall. Much of the precipitation during the month was of a wintry character, particularly in the north, but most districts also had showers or longer periods of rain and there were some thunderstorms. Daily rainfalls exceeding 50 mm mostly occurred in northern areas : at Stonethwaite (Cumbria) 73.2 mm fell between 1034 GMT on the 30th and 0200 GMT on the 31st.

Snow

Snow and sleet fell in some districts at the beginning and end of the month, but the heaviest snowfalls occurred between the 10th and the 19th. Deep drifts made roads impassable in northern areas and in the north Midlands, where several people died when their cars were stranded. Undrifted snow lay to depths of at least 20 cm in the Scottish mountains and in the Pennines, exceeding 40 cm in places around mid-month and in the third week. Measurements of 10 to 14 cm were made in level snow in south-east England on the 12th and 13th (a depth of 25 to 30 cm was reported on the 12th near Ashford in Kent). In the south-west and in the Welsh mountains between the 13th and the 18th depths ranged from about 20 to 25 cm, with drifting in places.

Sunshine

Sunshine was above average in Devon and Cornwall, along the south coast of England and in most districts north of a line from the Wash, through the central Midlands, to North Wales. Monthly totals were well above normal in places, exceeding 150 per cent in the Torbay (Devon) area, around Glasgow and in Shetland, where Baltasound, with 164 per cent of average, had its sunniest January since 1960. Wales and remaining areas of England had less sunshine than is usual for the month and the dullest places were in the Salisbury Plain area.

Fog

Patches of overnight fog formed fairly frequently during the month and affected most districts. The fog was often dense and slow to clear and was sometimes freezing. It was particularly persistent in parts of south-east England and East Anglia on the 30th and in the Belfast and Glasgow areas on the 31st. Hill fog associated with precipitation was sometimes widespread. Fog also formed along coasts from time to time.

Miscellaneous Phenomena

On the morning of the 25th an unusually sharp fall of pressure occurred in a short period over many parts of southern England : at Kew Observatory (Greater London) the fall equalled 6 mb in 10 minutes. The aurora was observed in Scotland on one night.

Table 1 District values

District	air temperature °C					mean 30-cm earth temp °C	rain-days	rainfall	sunshine
	Highest Max.*	Lowest Min.*	max.	min.	mean				
			difference from average					% of average	
0 Scotland N	11.5	-8.0	-0.6	-0.3	-0.5	-0.3	0	76	125
1 Scotland E	11.7	-17.8	-0.8	-0.6	-0.7	-0.1	-1	117	116
2 England E & NE	12.4	-9.8	-0.8	-0.6	-0.7	-0.6	+2	139	116
3 East Anglia	12.1	-5.9	-0.6	0.0	-0.3	-0.3	+4	125	94
4 Midland Counties	13.0	-9.0	-0.8	-0.6	-0.7	-0.9	+1	127	97
5 England SE & Central S	12.4	-6.0	-0.3	+0.2	-0.1	-0.4	+3	122	90
6 Scotland W	10.4	-13.0	-0.9	-1.0	-0.9	-0.8	-1	74	130
7 England NW & Wales N	12.0	-12.8	-1.0	-0.6	-0.8	-0.6	+2	98	98
8 England SW & Wales S	13.0	-5.5	-0.7	-0.7	-0.7	-1.1	+3	109	98
N Ireland	11.2	-7.9	-1.0	-1.3	-1.1	-0.6	-1	105	110
Scotland	11.7	-17.8	-0.8	-0.6	-0.7	-0.4	-1	89	124
England & Wales	13.0	-12.8	-0.7	-0.4	-0.5	-0.7	+3	120	99

*Highest maximum and lowest minimum of District Value Stations.

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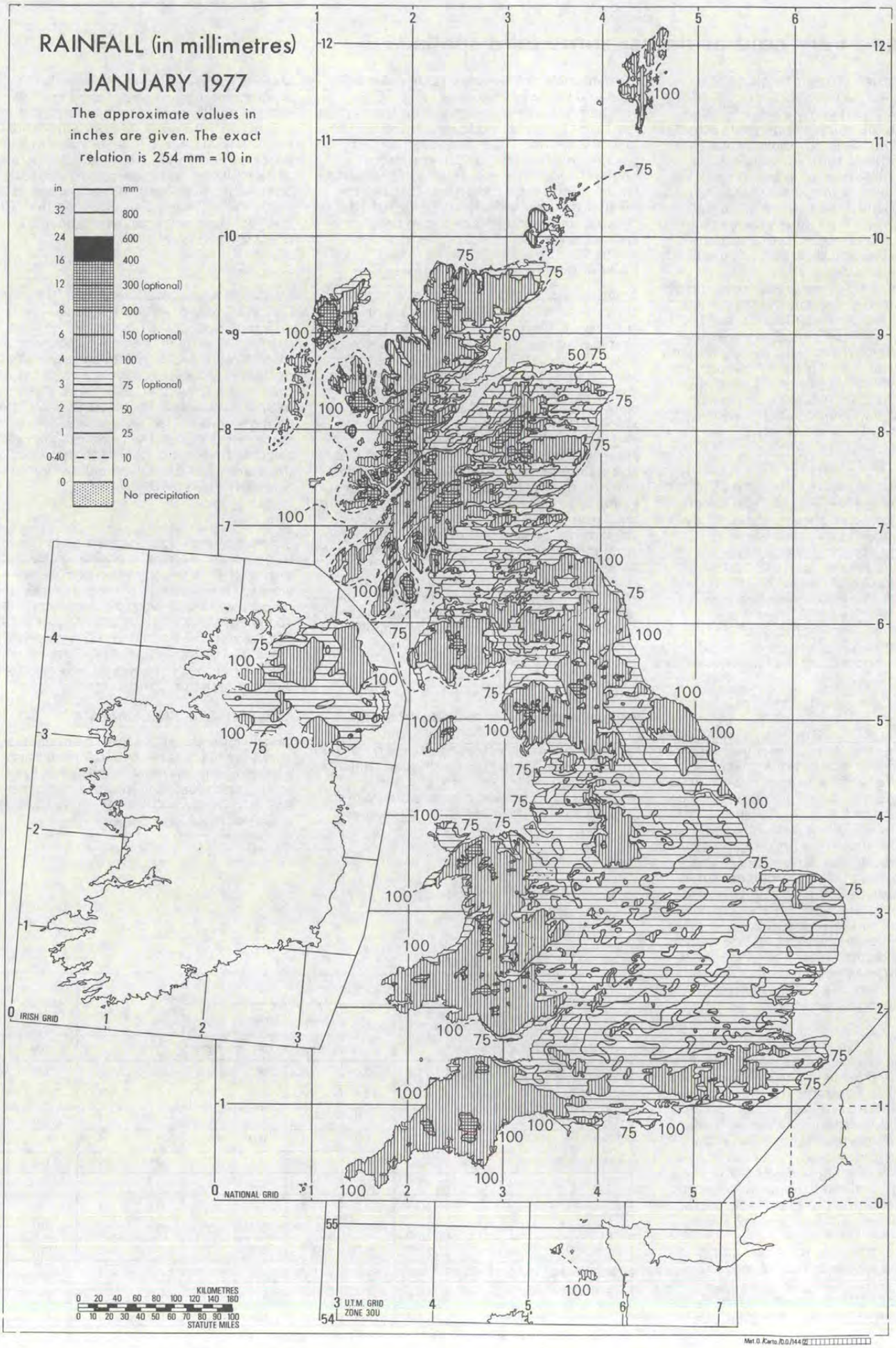
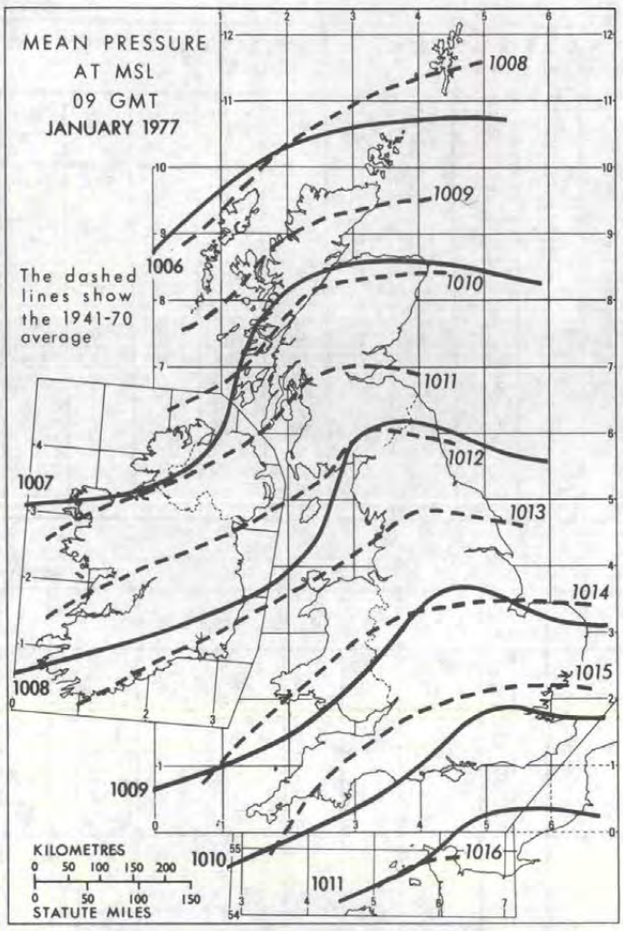
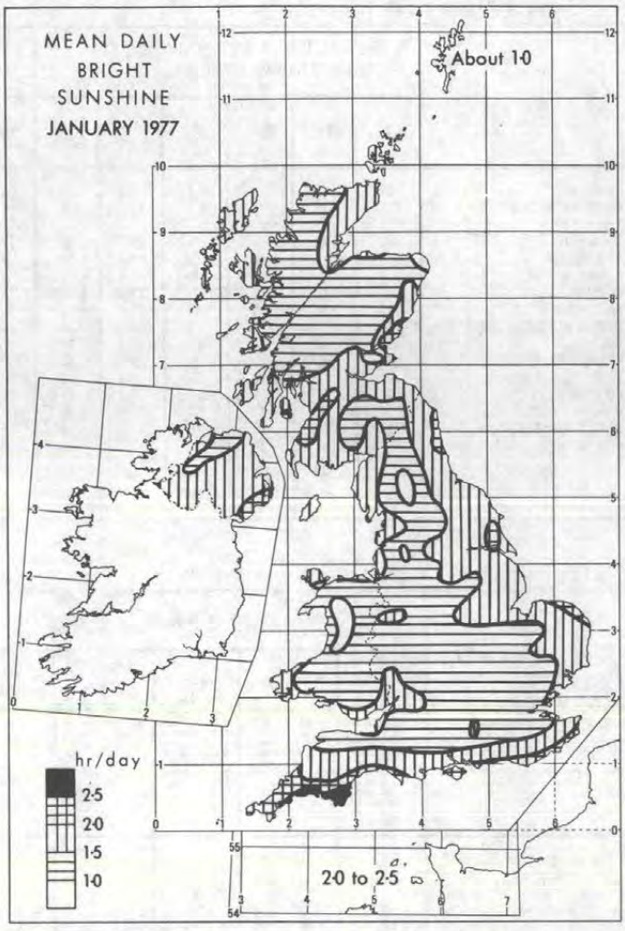
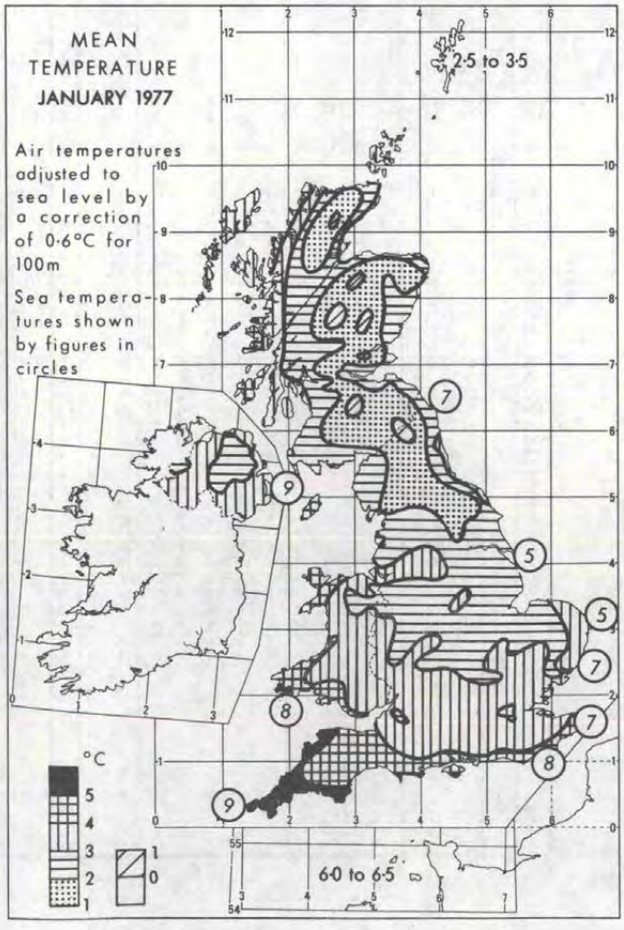

RAINFALL (in millimetres)
JANUARY 1977
The approximate values in inches are given. The exact relation is 254 mm = 10 in
in
mm
32 800
24 600
16 400
12 300 (optional)
8 200
6 150 (optional)
4 100
3 75 (optional)
2 50
1 25
0·40 10
0 0
No precipitation
IRISH GRID
NATIONAL GRID
U.T.M. GRID ZONE 30U
KILOMETRES 0 20 40 60 80 100 120 140 160
STATUTE MILES 0 10 20 30 40 50 60 70 80 90 100


MEAN PRESSURE
AT MSL
09 GMT
JANUARY 1977
The dashed lines show the 1941-70 average
1008
1009
1006
1010
1011
1012
1007
1013
1014
1015
1008
1009
1010
1016
1011
KILOMETRES
0 50 100 150 200
0 50 100 150
STATUTE MILES


MEAN DAILY
BRIGHT
SUNSHINE
JANUARY 1977
About 1·0
hr/day
2·5
2·0
1·5
1·0
2·0 to 2·5


MEAN
TEMPERATURE
JANUARY 1977
Air temperatures adjusted to sea level by a correction of 0·6°C for 100m
Sea temperatures shown by figures in circles
2·5 to 3·5
7
9
5
5
7
8
7
8
9
°C
5
4
3
2
1
1
0
6·0 to 6·5

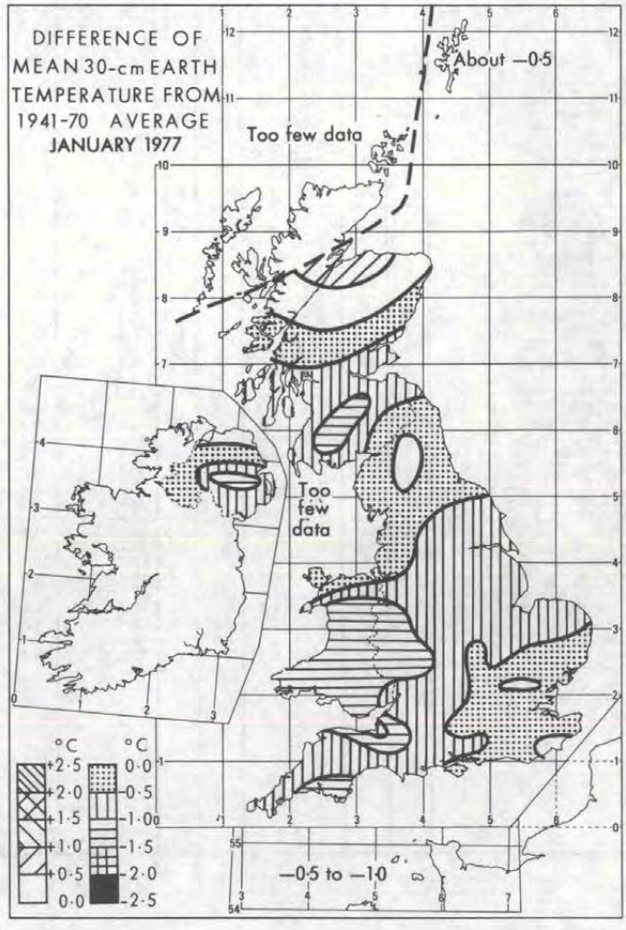

DIFFERENCE OF
MEAN 30-cm EARTH
TEMPERATURE FROM
1941-70 AVERAGE
JANUARY 1977
About −0·5
Too few data
Too few data
°C
+2·5
+2·0
+1·5
+1·0
+0·5
0·0
°C
0·0
0·5
1·0
1·5
2·0
2·5
−0·5 to −1·0

TABLE 2 SOLAR RADIATION AND ILLUMINATION

JANUARY 1977

STATION	GLOBAL RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						DIFFUSE RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						GLOBAL ILLUMINATION ON A HORIZONTAL SURFACE (KILOLUX-HOURS)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	66	27	3	20.21	27.2	29	43	28	3	20.21	19.5	29						
ABERDEEN UNIVERSITY	115	31	5	14	41.0	31												
ESKDALEMUIR																		
ABERPORTH	180	29	11	14	64.2	31	74	26	10	14	44.1	31						
CARDINGTON	170	31	18	14	68.0	31	79	31	17	14	47.7	31						
SILSOE	177	31	15	5	63.6	31	75	29	15	5	46.0	31						
GARSTON	176	31	10	5	59.9	31												
WALLINGFORD	147	31	13	13	56.5	31												
LONDON WEATHER CENTRE	166	31	10	5	55.7	28	86	30	8	5	42.7	28	203	31	13	5	70.8	28
KEW	188	31	12	5	59.9	31	84	30	12	5	45.7	31	211	31	16	5	70.2	31
EASTHAMPSTEAD	186	31	14	13	63.4	30							200	31	19	13	75.1	30
EAST MALLING	201	31	8	15	58.6	31												
EVERTON	180	31	9	13	68.8	31												
WAREHAM	200	22	19	13	88.9	31												
JERSEY AIRPORT	237	31	10	5	91.1	31	87	19	10	5	52.2	31	265	31	17	5	112.2	31
ALDERGROVE																		

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JANUARY 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HT(M) OF OBSERVATION / MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIP-ITATION 0.2 MM OR MORE	PRECIP-ITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
0 SCOTLAND N																															
SHETLAND																															
BALTASOUND	9 9	24	4.4	0.3	2.3	-0.8	9.3	4	-5.3	14	3.3	-	118	93	20	29	29	23	12	10	0	5	0	0	15	-	-	3	0.95	164	-
FAIR ISLE	9 9	57	5.2	2.7	3.9	-	9.2	5	-1.5	27	4.1	5.1	77	-	11	4	27	14	18	6	3	12	0	0	5	18	-	12	1.12	-	-
LERWICK	21-9	82																													
PSYCHROMETER			4.2	1.2	2.7	-	9.4	4	-4.8	13	-	-	122	-	12	31	26	22	15	10	1	14	2	0	13	20	19	5	1.18	149	-
SCREEN			4.4	1.2	2.8	-0.2	9.6	4	-4.5	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORKNEY																															
KIRKWALL AIRPORT	21-9	26	4.8	1.2	3.0	-0.6	10.1	4	-4.2	29	-	-	92	87	11	4	24	21	18	4	3	14	0	0	11	14	18	2	1.13	107	-
WEYLAND	9 9	24	5.3	1.7	3.5	-	10.4	4	-2.2	28	2.7	-	83	-	9	20	26	18	12	4	3	8	2	0	6	21	-	3	-	-	-
WESTERN ISLES																															
BENBECULA	21-9	6	5.5	1.9	3.7	-0.9	9.8	4	-4.4	2	-	-	140	-	29	21	24	19	12	6	1	4	0	0	10	17	17	2	1.54	124	-
STORNOWAY	21-9	3	5.5	1.5	3.5	-0.6	10.5	4	-5.8	12	-	-	117	-	14	29	26	22	10	3	1	10	0	0	13	17	13	2	1.67	142	-
HIGHLAND																															
ACHANY	9 9	107	3.5	-2.5	0.5	-	11.8	4	-11.5	12	2.6	-	80	-	11	8	20	16	11	20	0	0	0	0	16	26	-	0	1.55	-	-
ACHNASHELLACH	9 9	67	4.8	-0.7	2.1	-0.5	10.5	4	-7.4	2	-	-	128	61	18	8	25	18	7	14	0	0	0	0	15	-	-	0	-	-	-
BALMACARA	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CAPE WRATH	21-9	112	5.5	3.2	4.3	0.0	9.5	4	-0.1	11	-	-	93	86	22	10	21	17	11	7	8	5	0	0	1	10	10	2	1.34	-	S
CASSLEY	9 9	99	3.8	-2.1	0.9	-	12.5	4	-8.0	12,13,29	-	-	133	-	20	8	22	18	-	-	-	-	-	-	18	28	-	-	-	-	-
CORPACH	9 9	8	5.1	0.0	2.5	-	11.0	4	-6.5	2	-	-	91	-	15	4	17	15	7	2	0	0	0	2	15	20	-	0	-	-	-
CRAIGDARROCH	9 9	38	4.7	-2.1	1.3	-	12.7	4	-8.7	2	-	-	55	-	20	14	17	11	9	18	0	0	0	0	20	24	-	0	-	-	-
DALCROSS	9 9	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-
DALWHINNIE	9 9	351	2.1	-	-	-	8.5	4	-	-	-	-	86)	-	17	20	21	16	13	17	0	0	0	6	-	25	-	6	0.99	-	S
DIABAIG	9 9	46	5.9	1.8	3.9	-	10.4	4	-2.8	12	-	-	82	-	11	21	24	17	12	-	0	1	0	-	10	-	-	0	-	-	S
DOUNREAY	9 9	21	5.6	-	-	-	11.7	4	-	-	-	-	81	93	10	14	22	19	7	8	0	0	0	0	-	19	-	1	1.64	-	-
FORT AUGUSTUS	9 9	21	4.9	-0.9	2.0	-0.5	10.4	4	-7.6	12,17	-	-	41	-	7	29	18	11	7	6	0	2	0	0	16	-	-	0	1.39	162	-
FORTROSE	9 9	5	5.1	1.3	3.2	-0.3	10.5	4	-3.0	30	-	-	27	53	11	14	12	8	-	-	-	-	-	0	10	-	-	-	1.68	118	-
GLENMORE LODGE	9 9	341	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRANTOWN-ON-SPEY	9 9	229	3.0	-4.0	-0.5	-	9.6	4.5	-14.1	17	-	-	75	-	17	14	21	9	12	23	0	0	0	1	25	26	-	0	1.12	-	-
HERSTE	9 9	109	4.9	0.4	2.7	-	9.5	4	-5.1	13	-	-	175	-	36	4	24	19	11	5	1	6	0	0	15	21	-	0	-	-	-
INVERNESS	9 9	4	5.3	0.3	2.8	-	10.9	4	-4.5	28	-	-	32	65	11	14	12	9	6	0	0	0	0	0	14	22	-	0	1.62	-	-
INVERPOLLY	9 9	14	5.6	0.7	3.1	-	11.7	4	-6.2	12	3.7	-	137	-	25	30	22	19	9	15	0	2	2	0	12	25	-	0	-	-	S
ISLE OF RHUM	9 9	5	6.1	1.3	3.7	-	10.3	4	-5.1	12	3.7	5.6	269	119	42	4	21	21	1	5	0	3	0	0	11	20	-	3	-	-	-
KEISS	9 9	30	5.0	0.2	2.6	-	10.3	4	-5.0	29	2.7	4.1	89	-	16	14	21	16	9	10	4	7	0	0	15	20	-	1	1.87	-	-
KNOCKANROCK	9 9	244	3.4	-0.8	1.3	-	10.1	4	-5.9	12	-	-	159	74	24	4	23	19	14	19	0	0	0	1	17	27	-	1	-	-	-
LAGGANLIA	9 9	250	3.0	-3.8	-0.4	-	10.4	5	-18.7	17	-	-	63)	-	(15)	10	19	13	8	18	0	0	0	3	24	26	-	2	-	-	-
LAIRG	9 9	107	3.6	-2.9	0.3	-	11.6	4	-11.1	17	1.8	3.9	82	-	13	14	22	13	18	21	0	1	0	2	17	24	-	0	-	-	-
LENTRAN	9 9	146	3.9	-1.2	1.3	-	10.0	4	-6.5	17,18	-	-	31	-	15	14	11	8	-	-	-	-	-	-	19	25	-	-	-	-	-
NAIRN	9 9	6	4.9	-0.6	2.1	-0.7	11.1	4	-8.6	13	-	-	33	74	12	14	16	7	10	4	0	7	0	0	15	22	-	0	1.54	193	-
ONICH	9 9	15	5.2	0.0	2.6	-0.9	9.0	4,5,24	-8.0	2	-	-	115	60	27	4	18	18	-	0	-	-	-	5	14	17	-	-	1.05	106	S
POOLEWE	9 9	6	5.7	1.1	3.4	-	11.0	4	-5.3	13	-	-	87	-	15	10	23	17	8	15	5	2	0	0	15	20	-	0	-	-	S
PRABOST	9 9	67	4.6	0.5	2.5	-	9.7	4	-5.2	12	-	-	146	82	26	10	26	21	9	15	1	11	0	0	12	20	-	6	1.90	-	-
RUBH RE	21-9	16	6.1	3.0	4.5	-	10.2	4	-1.7	12,13	-	-	117	-	22	10	24	18	7	3	1	5	0	0	4	8	7	5	-	-	-
STRATHCONON	9 9	107	4.3	-2.0	1.1	-	(12.0)	4	-9.3	17	-	-	85	-	17	14	20	12	9	17	0	0	0	-	21	26	-	0	-	-	-
TARBATNESS	21-9	18	4.9	1.7	3.3	+0.1	10.0	4,5	-4.0	17	-	-	32	-	7	4	17	10	7	2	1	0	0	0	11	-	-	0	-	-	-
TOMATIN	9 9	311	2.6	-3.2	-0.3	-	9.1	4	-11.7	17	-	-	55)	-	(21)	14	18	12	11	-	0	0	0	-	21	-	-	0	-	-	-
TORRISDALE	9 9	27	5.1	0.1	2.6	-	12.6	4	-7.2	13	-	-	74	-	12	9	23	16	9	6	0	6	1	0	13	16	-	3	-	-	-
WICK	21-9	36	4.7	0.9	2.8	-0.3	11.5	4	-5.0	13	-	-	78	95	11	4	21	16	11	8	0	13	0	0	13	19	16	0	1.87	131	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		MEAN EARTH TEMPERATURE: 30 CM DEGREES C	100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	PERCENTAGE OF (1941-70 AVERAGE)	MOST IN A DAY: AMOUNT (MM)	DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
							MAX.	DATE	MIN.	DATE																					
1 SCOTLAND E																															
GRAMPIAN																															
ABERDEEN																															
DYCE AIRPORT	21-9	58	4.3	-0.3	2.0	-0.3	11.0	5	-7.6	17	-	-	70	90	24	14	19	14	13	11	1	10	1	0	14	22	24	0	1.49	93	-
MANNOFIELD	9 9	16	4.7	-0.6	2.1	-0.4	10.2	5	-6.2	12,13	-	-	80	108	19	14	19	13	6	4	0	1	1	0	14	24	-	0	1.79	110	S
BALMORAL	9 9	283	3.0	-3.8	-0.4	-0.9	9.5	4	-16.4	17	-	-	80	103	19	13	19	14	10	22	0	0	0	-	23	26	-	0	-	-	-
BANCHORY	8 8	77	4.3	-1.4	1.5	-	10.8	5	-8.0	18	-	-	115	-	39	14	19	11	12	17	1	5	2	0	17	21	22	1	1.59	-	-
BANFF	9 9	24	5.0	0.8	2.9	-	11.4	5	-5.7	14	-	-	53	82	12	14	21	12	10	2	4	6	0	1	9	-	-	5	1.22	-	S
BRAEMAR	9 9	339	2.5	-3.8	-0.7	-1.1	8.6	4,5	-17.8	18	-	-	85)	103)	(15)	14	18	15	-	26	-	-	-	0	22	30	-	-	1.09	138	S
CLASHNOIR	9 9	338	1.9	-3.3	-0.7	-	9.2	4	-12.4	13	0.8	-	96)	-	(20)	4	23	17	13	20	2	3	0	3	23	28	-	9	1.19	-	-
CRAIBSTONE	9 9	91	4.1	-0.5	1.8	-0.6	10.5	5	-5.8	17	2.3	3.7	66	82	21	14	20	10	10	14	0	1	0	0	15	28	-	0	1.62	96	-
CULTERTY	9 9	3	4.6	-0.9	1.9	-	9.9	5	-7.3	13	-	-	74	112	17	14	21	15	8	-	1	0	0	3	14	25	-	1	-	-	-
ELGIN	9 9	15	5.2	-0.4	2.4	-	11.7	4	-9.5	13	-	-	55	96	15	14	16	10	-	-	-	-	-	0	16	23	-	-	1.56	-	S
FOREHILL	9 9	40	5.3	-0.2	2.5	-	10.9	5	-6.8	13	-	-	84	-	13	4	23	18	-	-	-	-	-	-	12	17	-	-	-	-	-
FORRES	9 9	5	5.0	-0.8	2.1	-0.6	11.8	4	-9.0	13	1.9	3.9	55	-	15	14	19	15	12	4	0	4	0	0	17	23	-	0	1.17	73	-
FRASERBURGH	21-9	19	5.2	1.8	3.5	-	10.5	5	-1.4	13	-	-	79	125	15	14	19	15	11	3	0	0	0	0	6	15	-	0	0.85	-	-
FYVIE CASTLE	9 9	55	4.1	-2.8	0.7	-	9.5	5	-10.5	17,18	-	-	90	112	(20)	14	21	18	8	-	0	4	0	-	21	28	-	1	-	-	S
GARTLY	9 9	146	3.7	-1.6	1.1	-	10.0	4,5	-13.5	13	-	-	81	-	21	14	19	10	-	-	-	-	-	-	18	27	-	-	-	-	-
GLENLIVET	21-9	215	2.9	-1.6	0.7	-	10.9	4	-14.5	13	-	-	119	160	25	14	19	11	16	24	0	0	0	0	21	26	26	0	1.28	-	S
INVERURIE	9 9	54	4.0	-2.5	0.7	-	10.1	5	-11.0	4,17	-	-	71	-	22	14	20	13	8	15	1	0	0	2	20	26	-	0	1.45	-	S
KEITH	9 9	106	4.1	-2.7	0.7	-	11.4	5	-11.0	17	-	-	63	-	13	14	20	13	8	-	0	4	0	-	19	24	-	0	1.26	-	S
KINLOSS	21-9	5	4.7	0.4	2.5	-0.4	11.7	4	-6.7	12,13	3.6	-	54	117	11	14	15	9	12	4	0	8	0	1	16	23	18	0	1.55	-	-
LOSSIEMOUTH	21-9	6	5.0	0.3	2.7	-	11.7	4	-8.7	13	-	-	50	107	11	10	13	7	13	4	0	9	0	1	13	23	21	0	-	-	-
TAYSIDE																															
ARBROATH	9 9	28	4.7	0.0	2.3	-	10.6	5	-5.0	17	-	-	65	113	31	14	14	9	5	4	0	0	0	0	14	22	-	0	2.15	122	-
ARDTALNAIG	9 9	130	3.9	-0.7	1.6	-	9.1	4	-7.2	17,18	-	-	96	74	22	20	20	16	8	11	0	0	2	0	14	25	-	0	1.15	-	-
DRUMMOND CASTLE	9 9	113	4.1	-2.0	1.1	-	9.3	5	-8.5	12	1.8	-	73	-	22	20	14	12	7	18	0	0	0	-	18	26	-	0	1.54	-	S
DUNDEE	9 9	45	4.7	-0.5	2.1	-0.5	11.6	5	-6.1	13	1.1	-	70	109	31	14	14	12	10	10	0	1	2	3	14	28	-	0	2.06	124	-
FASKALLY	9 9	94	3.8	-2.9	0.5	-	9.9	4	-11.5	12	1.7	3.9	50	61	8	20	14	13	10	17	0	0	0	0	16	27	-	0	-	-	-
KINDROGAN	9 9	259	2.2	-3.7	-0.7	-	8.9	4	-12.0	17	-	-	61	-	12	20	19	13	11	31	0	0	0	1	25	26	-	0	-	-	-
KINROSS	9 9	116	3.6	-3.3	0.1	-	9.0	4,5	-10.5	17	1.2	-	85	-	17	18	13	10	-	7	-	-	-	-	26	27	-	-	1.37	-	-
MONTROSE	9 9	57	4.3	-0.7	1.8	-	9.5	5	-5.1	17	-	-	85	131	31	14	12	9	7	11	3	0	1	0	14	26	-	0	-	-	-
MYLNEFIELD	9 9	30	4.3	-1.1	1.6	-	9.8	4	-7.0	12,13	1.6	4.0	73	121	29	14	14	11	9	11	0	0	1	0	15	28	-	0	2.08	-	-
PERTH	9 9	23	4.7	-1.4	1.7	-0.5	10.3	5	-8.9	12	-	-	58)	83	10	14	14	11	-	10	-	-	-	2	16	27	-	-	1.20	94	-
STRATHALLAN	9 9	41	4.6	-1.2	1.7	-	11.0	5	-8.2	12	-	-	79	-	25	14	13	10	9	11	0	2	0	0	15	27	-	0	-	-	-
USAN	21-9	30	4.5	0.6	2.5	-	10.7	5	-3.5	29	-	-	73	-	27	14	14	10	5	1	0	0	0	0	12	21	21	2	2.06	-	-
WHITEHILLOCKS	9 9	258	3.2	-2.3	0.5	-	9.4	4	-10.3	17	-	-	107	93	(28)	14	15	14	10	21	0	0	0	-	22	-	-	0	-	-	S
FIFE																															
BELLISTON	9 9	82	4.0	-0.1	1.9	-	9.8	5	-5.2	13	2.4	-	97	150	45	14	15	13	8	7	1	0	0	0	16	27	-	1	-	-	-
CUPAR	9 9	36	4.1	-1.8	1.1	-	9.9	5	-8.4	17	1.1	-	96	-	41	14	17	10	9	10	0	4	0	-	19	29	-	0	1.44	-	S
GLENROTHES	9 9	117	3.5	-1.0	1.3	-	9.5	4	-8.5	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	-	-	1.70	-	-
LEUCHARS	21-9	10	4.2	-0.6	1.8	-1.1	10.0	4,5	-11.6	13	-	-	76	134	33	14	13	10	9	5	0	2	1	1	18	28	27	0	1.95	111	-
PITREAVIE	21-9	40	4.2	0.1	2.1	-	10.3	5	-5.5	12,17	-	-	58	98	16	14	12	9	10	6	1	0	0	2	16	25	24	0	-	-	-
ST ANDREWS	9 9	18	4.6	-0.1	2.3	-	10.1	5	-5.5	13	1.8	4.1	82	135	26	14	14	11	6	4	0	1	1	-	15	24	-	0	2.10	124	-
LOTHIAN																															
BLACKBURN SEWAGE WORKS	9 9	131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BUSH HOUSE	9 9	184	3.6	-1.4	1.1	-	9.9	5	-8.8	13	1.0	2.8	97	133	43	14	18	11	9	19	0	0	0	2	18	23	-	0	1.74	-	-
DUNBAR	9 9	23	5.2	0.5	2.9	-0.6	11.1	4	-6.0	14	-	-	65	141	22	14	14	10	5	2	0	0	0	0	12	23	-	0	1.53	88	-
EDINBURGH																															
EAST CRAIGS	9 9	61	4.8	-1.1	1.9	-	10.6	5	-7.4	12	1.6	-	72	-	30	14	14	8	7	6	0	0	0	0	15	26	-	0	1.89	-	S
ROYAL BOTANIC GARDEN	9 9	26	5.1	-	-	-	11.0	5	-	-	1.7	-	64	123	27	14	11	6	6	2	0	0	0	0	-	-	-	0	1.90	143	-
ROYAL OBSERVATORY BLACKFORD HILL	9 9	134	4.2	-0.2	2.0	-1.1	10.1	5	-5.2	13	-	-	87	162	35	14	14	10	10	11	0	0	0	0	18	20	-	1	1.88	117	-
TURNHOUSE AIRPORT	21-9	35	4.7	-0.4	2.1	-0.6	10.6	5	-7.6	12	-	-	71	135	27	14	17	7	10	5	1	3	0	1	15	28	24	0	1.96	138	-
HADDINGTON	9 9	49	4.6	-1.4	1.6	-	10.7	5	-11.0	13	-	-	87	178	42	14	17	8	9	4	0	2	0	1	15	21	-	0	-	-	S
LIVINGSTON	9 9	125	3.8	-2.2	0.8	-	9.6	5	-11.2	17	-	-	84	-	36	14	17	9	8	8	0	0	0	0	17	29	-	0	-	-	-
NUNRAW ABBEY	9 9	195	3.3	-1.1	1.1	-	9.9	5	-8.2	13	-	-	118	-	48	14	18	13	12	15	0	1	0	0	18	-	-	0	-	-	-
PATHHEAD	9 9	131	3.9	-0.8	1.5	-	10.1	5	-11.3	13	1.9	-	87	-	39	14	16	9	12	10	0	0	0	3	14	20	-	0	-	-	-
PENICUIK	9 9	189	3.5	-2.0	0.7	-1.2	9.3	5	-9.5	12	1.2	-	113	147	47	14	17	13	8	24	0	0	0	3	19	25	-	0	1.57	139	S
BORDERS																															
BLYTH BRIDGE	9 9	253	2.9	-3.1	-0.1	-	9.0	5	-12.8	17	-	-	56	73	14	25	15	9	8	20	0	0	0	3	18	27	-	1	1.52	-	-
BLYTHE	9 9	262	2.6	-2.5	0.1	-	9.3	5	-11.0	13	-	-	98	125	30	14	20	13	18	24	0	0	0	3	21	30	-	0	1.70	-	-
BONCHESTER BRIDGE	9 9	146	3.4	-3.3	0.1	-	9.2	5	-12.0	13	-	-	87	-	17	14	20	19	10	15	0	0	0	1	23	-	-	0	-	-	-
BOWHILL (SELKIRK)	9 9	168	3.5	-2.2	0.7	-	9.2	5	-10.8	12	-	-	74	87	18	14	21	13	14	20	0	1	0	2	19	-	-	0	-	-	-
FLOORS CASTLE	9 9	59	4.1	-1.8	1.1	-	10.0	5	-8.3	12	-	-	74	116	19	14	17	9	7	12	0	0	0	0	17	-	-	0	-	-	-
GALASHIELS	9 9	198	3.2	-2.2	0.5	-	9.8	5	-9.3	12	-	-	65	-	17	14	16	12	12	17	0	0	0	1	20	21	-	0	1.37	-	-
GLENTRESS	9 9	165	4.0	-3.0	0.5	-	10.5	5	-14.0	12	-	-	74	98	25	14	21	13	-	-	-	-	-	2	17	-	-	-	-	-	-
GREYCROOK	9 9	76	3.8	-2.5	0.7	-	9.5	5	-13.2	12	1.7	-	72	-	21	14	13	12	9	13	0	0	0	-	20	26	-	0	-	-	-
KELSO	9 9	34	4.3	-1.5	1.4	-	9.9	5	-7.9	12,14	-	-	77	-	24	14	18	10	9	10	0	0	0	0	18	24	-	0	-	-	S
LEITHOLM	9 9	64	4.0	-2.2	0.9	-	10.1	5	-10.5	12	2.1	-	85	-	19	14	18	11	7	10	0	1	0	1	19	28	-	0	1.65	-	-
ST ABBS HEAD	9 9	75	4.8	0.7	2.7	-0.9	10.6	5	-3.4	13	-	-	-	-	-	-	-	-	8	3	0	1	0	0	12	16	15	5	-	-	-
STANHOPE FARM	9 9	226	3.0	-3.4	-0.2	-	9.5	5	-13.9	13	-	-	68	65	21	25	21	12	9	16	0	1	0	1	19	26	-	1	-	-	-
WEST LINTON	9 9	244	3.1	-3.4	-0.1	-1.3	9.0	5	-14.5	17	0.6	2.4	70	86	15	14	18	13	8	20	0	0	0	1	21	26	-	0	-	-	-
WHITCHESTER	9 9	255	2.8	-2.0	0.4	-	9.1	5	-10.0	13	-	-	163	201	39	14	19	16	11	25	0	7	0	-	19	-	-	3	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JANUARY 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(GMT) OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MINIMUM BELOW 0 DEG C	CONCRETE MINIMUM BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
6 SCOTLAND W																															
STRATHCLYDE																															
ACHAGLACHGACH	9 9	12	5.7	-	-	-	10.5	4	-	-	-	-	167	105	33	25	21	15	-	-	-	-	-	-	-	-	-	-	-	-	-
AROS	9 9	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AUCHINCRUIVE	9 9	45	5.3	-0.3	2.5	-0.9	10.4	4	-7.1	13	3.0	4.7	52	63	12	25	19	10	4	6	1	0	0	0	15	24	-	0	2.17	143	-
BARRHEAD	9 9	30	4.9	-1.4	1.7	-	10.2	4	-9.7	12	-	-	90	83	25	25	19	17	6	8	0	0	0	1	16	22	-	0	-	-	-
BENMORE(YOUNGER BOTANIC GARDEN) ...	9 9	12	5.1	-0.8	2.1	-	10.8	4	-6.8	13	-	-	174	74	37	19	20	19	5	4	0	2	0	0	17	25	-	0	-	-	-
BRODICK CASTLE	9 9	15	6.4	1.2	3.8	-	10.7	4	-4.5	12	3.5	-	205	118	51	25	19	15	1	0	0	0	0	0	11	18	-	0	-	-	-
CAMPS RESERVOIR	9 9	295	2.4	-5.0	-1.3	-	8.6	5	-15.2	13	-	-	88	79	13	25	20	16	13	17	0	0	0	2	24	-	-	5	-	-	S
CARNWATH	9 9	208	2.8	-4.6	-0.9	-	8.6	4	-16.7	17	1.5	-	53	77	16	14	18	10	10	18	0	5	0	4	21	28	29	2	-	-	-
COLONSAY	9 9	35	5.9	2.0	3.9	-	9.8	4	-3.9	29	-	-	78	-	18	21	19	13	0	0	0	3	0	0	8	-	-	4	-	-	-
CRAWFORDJOHN	9 9	274	2.6	-4.0	-0.7	-	8.6	5	-15.0	13	1.9	-	-	-	-	-	-	-	8	14	0	2	0	2	19	22	23	0	1.33	-	-
CUMNOCK	9 9	99	4.5	-2.0	1.3	-	10.0	5	-9.8	11	-	-	54	-	11	30	19	13	6	5	0	1	0	0	17	21	-	0	1.40	-	-
DUNSTAFFNAGE	9 9	3	5.7	0.7	3.2	-	10.2	4	-5.9	29	-	-	90	-	20	4	19	15	4	0	0	1	0	0	14	20	-	2	-	-	-
EAST KILBRIDE	9 9	178	3.9	-1.4	1.3	-	9.2	5	-9.6	12	-	-	88	-	25	25	17	15	7	15	0	0	0	-	17	25	-	0	2.21	-	-
FINNART	9 9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GIRVAN	9 9	8	5.9	0.1	3.0	-	11.0	4	-6.3	13	-	-	86	86	23	19	17	14	1	0	0	0	0	0	14	20	-	4	2.06	-	-
GLASGOW																															
ABBOTSINCH AIRPORT ...	21-9	5	4.8	-0.6	2.1	-1.0	10.4	5	-9.5	12	-	-	70	-	19	25	18	15	8	2	0	3	0	1	17	21	20	0	1.83	159	-
SPRINGBURN PARK ...	9 9	107	4.2	-	-	-	9.5	4.5	-	-	-	-	62	67	16	25	20	12	6	12	0	0	0	3	-	27	-	0	1.67	158	-
WEATHER CENTRE (X)	21-9	40	4.9	1.6	3.3	-	10.4	4.5	-5.6	12	-	-	67	-	20	25	18	11	6	-	0	1	0	1	10	-	-	0	1.63	-	-
GREENOCK	9 9	61	-	-	-	-	-	-	-	-	-	-	93	58	16	19	17	16	-	-	-	-	-	-	-	-	-	-	1.28	149	S
HELENSBURGH	9 9	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HUNTERSTON	9 9	8	5.8	0.9	3.3	-	10.5	4	-6.8	14	-	-	92	-	23	25	18	16	4	0	0	0	0	0	14	-	-	0	-	-	-
KILDONAN	9 9	18	6.2	1.6	3.9	-	9.5	4.5	-3.0	2.13.29	-	-	91	-	22	25	20	13	3	-	0	0	0	0	10	15	14	3	2.30	-	-
KNAPDALE FOREST ...	9 9	12	5.2	-0.8	2.2	-	10.5	4	-9.6	12	-	-	155	-	36	19	19	16	5	1	0	1	0	1	16	22	-	0	-	-	-
LANARK	9 9	152	4.0	-3.0	0.5	-	10.0	18	-15.2	17	-	-	-	-	-	-	-	-	6	-	0	0	0	-	22	-	-	0	1.52	-	S
LEADHILLS	9 9	388	2.1	-3.4	-0.7	-	7.6	5	-11.4	13	-	-	151	101	28	19	22	16	11	17	0	2	0	1	20	22	-	2	-	-	-
MACHRIHANISH	21-9	10	6.2	1.7	3.9	-	12.0	5	-5.4	2	-	-	139	117	38	19	18	14	1	0	1	1	0	0	12	19	18	3	1.81	-	-
MILLPORT	9 9	5	5.9	1.7	3.8	-	10.8	5	-3.6	2	-	-	101	91	23	25	18	17	2	-	0	0	0	0	10	-	-	1	-	-	-
PAISLEY	9 9	32	4.8	-0.2	2.3	-1.1	10.2	5	-6.6	12	2.6	5.4	81	75	23	25	19	16	6	2	0	0	0	1	15	18	-	0	1.69	159	-
PRESTWICK	21-9	16	4.9	0.1	2.5	-	10.4	4.5	-7.5	13	-	-	53	65	17	25	17	10	6	1	0	0	0	0	15	20	20	0	1.60	-	-
RHUVAAL	21-9	20	6.2	2.8	4.5	-	10.8	4	-1.6	13	-	-	162	123	37	21	19	15	1	0	1	0	0	0	5	13	11	3	-	-	-
ROTHESAY	9 9	43	5.4	1.5	3.5	-	11.0	4	-2.5	2.13.29	2.7	4.4	109	82	22	19	18	14	4	0	0	0	0	0	10	22	-	0	-	-	-
SLOY	21-9	12	4.9	0.4	2.7	-	11.8	5	-7.4	12	-	-	175	-	28	20	21	17	8	-	0	0	0	0	14	-	-	0	-	-	-
STRONACHULLIN	9 9	2	6.1	0.7	3.4	-	11.4	4	-5.1	12	-	-	172	-	42	19	19	17	3	0	0	0	0	1	14	18	-	0	-	-	-
TIREE	21-9	9	6.2	3.1	4.7	-0.4	10.1	4.5	-2.4	28	-	-	89	78	17	19	18	14	5	0	0	10	0	0	6	13	12	7	1.95	144	-
CENTRAL																															
ARROCHYMORE	9 9	30	5.1	-1.6	1.7	-	9.9	5	-8.4	12	-	-	88	-	24	25	16	13	-	3	-	-	-	1	19	26	-	-	1.42	-	-
CALLANDER	9 9	107	4.5	-1.8	1.3	-	9.2	4	-8.1	31	-	-	98	69	14	19	17	15	7	12	0	0	0	0	18	26	-	0	-	-	-
EARLS HILL	21-9	335	2.0	-1.9	0.1	-	7.6	5	-7.4	3	-	-	110	-	25	25	18	15	8	-	0	0	1	5	19	23	25	2	1.75	-	-
FALKIRK	9 9	3	4.7	-0.8	1.9	-	10.3	4	-7.9	12	-	-	66	-	15	25	15	12	7	-	0	0	0	-	15	-	-	0	1.48	-	-
GRANGEMOUTH	9 9	4	4.8	-0.1	2.3	-	10.5	4.5	-6.5	12	-	-	56	-	15	25	15	10	4	8	0	0	0	2	14	19	-	0	-	-	-
PARKHEAD	9 9	107	4.7	-1.4	1.7	-	10.5	4.5	-8.6	12	0.9	-	86	-	(15)	19	17	13	-	14	-	-	-	2	16	-	-	-	-	-	-
STIRLING(BATTERFLATS)	9 9	38	4.6	-1.8	1.4	-	10.1	5	-8.2	17	1.9	3.7	73	-	13	19	18	12	9	16	0	0	0	0	17	22	-	0	1.88	-	-
DUMFRIES & GALLOWAY																															
BARGRENNAN	9 9	110	5.0	-1.4	1.8	-	9.0	4.5	-9.0	29	-	-	158	99	35	19	21	15	9	9	0	0	0	2	18	24	-	0	-	-	-
CLATTERINGSHAWS ...	9 9	178	4.0	-1.7	1.1	-	8.7	5	-9.6	13	-	-	201	97	38	19	20	19	11	6	0	4	0	0	18	-	-	0	1.94	-	-
DUMFRIES	9 9	49	4.9	-0.8	2.1	-0.7	9.9	5	-8.3	13	2.2	4.1	84	85	18	19	17	10	6	-	0	0	0	0	15	27	-	0	1.39	99	-
DUNDEUGH	9 9	119	4.3	-2.8	0.7	-	9.7	4.5	-12.2	13	2.1	-	119	81	23	19	17	12	1	6	0	0	0	2	18	-	-	0	-	-	-
ESKDALEMUIR	21-9	242																													
PSYCHROMETER			2.6	-2.2	0.2	-	8.2	5	-13.0	3	2.9	5.0	119	76	18	25	20	13	15	17	0	0	0	1	20	23	21	1	1.70	119	-
SCREEN			2.7	-2.1	0.3	-1.1	8.2	5	-13.0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-	-	-
GIRDSTINGWOOD	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GLENLEE	9 9	55	5.2	-2.3	1.5	-1.0	10.2	5	-10.8	13	-	-	146	90	27	19	18	14	-	6	-	-	-	0	18	26	-	-	-	-	-
GLENLOCHAR BARRAGE ...	9 9	47	5.0	-1.4	1.8	-	9.2	5	-7.7	13	-	-	101	86	19	25	16	14	1	1	0	1	0	2	18	-	-	0	-	-	-
PALNURE	9 9	15	5.4	-0.7	2.3	-	9.8	5	-7.4	12	-	-	117	90	20	19	19	14	5	0	0	0	0	1	17	25	-	1	-	-	-
PENWHIRN	9 9	166	4.4	-1.0	1.7	-	9.0	4.5	-9.0	12.13	-	-	169	116	50	19	18	17	-	-	-	-	-	0	16	18	-	-	1.73	-	-
THREAVE	9 9	73	4.6	-1.4	1.6	-	9.0	5	-8.9	13	1.3	-	119	101	25	25	16	12	10	6	0	0	0	1	17	26	-	1	-	-	-
2 ENGLAND E & NE																															
NORTHUMBERLAND																															
BOULMER	21-9	23	4.6	0.1	2.3	-	10.6	5	-9.0	13	2.7	4.3	82	-	13	15	18	14	12	4	0	8	0	0	15	19	21	1	2.09	-	-
COCKLE PARK	9 9	99	4.0	-0.8	1.6	-	9.1	5	-9.0	12.13	2.0	-	99	-	22	10	21	13	9	10	0	3	0	0	16	24	-	1	1.95	-	-
HAYDON BRIDGE	9 9	79	3.9	-2.6	0.7	-	10.2	5	-15.7	13	1.5	3.1	112	159	28	13	18	13	7	13	0	0	0	1	20	-	-	0	-	-	-
KIELDER CASTLE	9 9	201	2.6	-3.8	-0.6	-1.8	8.3	4.5	-14.3	13	-	-	138	117	19	25	21	16	8	26	0	0	0	2	25	29	-	0	-	-	-
LETHAMHILL FARM ...	9 9	76	-	(-1.3)	-	-	-	-	-12.4	13	-	-	46	-	14	25	13	8	-	-	-	-	-	-	19	22	-	-	-	-	-
REDESDALE	9 9	238	(2.3)	(-2.9)	-0.3)	-	8.6	5	-12.3	13	2.2)	-	93	-	18	14	17	15	-	17	-	-	-	7	(23))	29)	-	-	1.45	-	-
SEAHOUSES	21-9	11	4.9	0.9	2.9	-	10.8	5	-7.6	13	-	-	84	153	11	10	19	14	10	3	0	2	0	0	13	18	19	3	1.92	-	-
STONEHAUGH	9 9	201	3.0	-3.4	-0.2	-	8.5	5	-13.9	13	-	-	(114)	-	(25)	14	(17)	(12)	9	19	0	1	0	4	21	25	-	0	-	-	-
TYNE & WEAR																															
CHOPWELLWOOD	9 9	136	4.1	-1.0	1.5	-1.0	10.0	5	-9.0	13	-	-	138	206	35	25	17	13	10	15	0	0	0	1	15	23	-	0	-	-	-
NEWCASTLE WEATHER CENTRE (X)	21-9	75	4.8	1.1	2.9	-	11.1	5	-7.5	13	-	-	92	-	22	14	20	15	11	5	0	3	0	0	8	-	21	0	1.97	-	-
TYNEMOUTH	21-9	29	4.7	1.2	2.9	-1.0	10.5	5	-6.2	13	-	-	85	144	21	14	22	17	10	4	3	0	0	0	10	15	-	3	-	-	-
WASHINGTON	9 9	27	5.0	-0.3	2.3	-	10.7	5	-8.7	14	2.6	4.5	100	-	26	14	21	15	8	6	1	2	0	2	14	-	-	0	1.65	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
2 ENGLAND E & NE -CONTINUED																																
DURHAM																																
DURHAM	9 9	102	4.5	-0.8	1.9	-0.8	9.6	5	-9.8	13	2.5	4.6	101	174	24	14	20	15	-	5	-	-	-	3	17	25	-	-	1.69	102	-
LOW ETHERLEY	9 9	155	3.5	-1.4	1.1	-	9.1	5	-10.3	13	-	-	80	-	21	13	18	15	14	18	0	2	1	6	18	20	-	0	-	-	-
WIDDYBANK FELL	9 9	513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLEVELAND																																
HARTBURN GRANGE	9 9	31	4.6	-1.0	1.8	-	9.5	5	-10.6	13	-	-	77	160	19	13	19	11	5	4	0	2	0	2	16	25	-	0	1.59	-	-
HARTLEPOOL	9 9	9	5.2	0.8	3.0	-0.7	10.0	5	-6.3	13	-	-	94	180	27	13	21	16	5	3	2	0	0	2	11	-	-	0	1.76	-	-
NORTH YORKSHIRE																																
ASKHAM BRYAN	9 9	34	4.3	-1.7	1.3	-	10.4	25	-7.5	12	-	-	68	119	15	13	17	12	9	2	0	0	0	4	23	-	-	0	1.56	113	S
CAWOOD	9 9	6	4.3	-0.4	1.9	-	11.0	25	-6.0	12	2.5	4.3	68	128	15	1	17	13	3	2	0	0	0	2	12	27	-	1	1.75	-	-
HIGH MOWTHORPE	9 9	175	3.1	-0.9	1.1	-	9.5	25	-7.0	12	1.7	-	115	158	40	13	21	18	14	16	0	0	0	9	18	26	-	0	1.50	-	-
LEEMING	21-9	32	4.5	0.1	2.3	-	9.5	5	-7.6	13	1.8	4.3	67	117	19	25	18	14	10	4	0	1	0	4	14	23	18	0	1.77	-	-
MALHAM TARN	9 9	395	(2.5)	(-1.9)	0.3)	-0.6)	7.1	25	-7.4	12	-	-	107	78	36	25	(23)	(15)	13	-	0	0	0	-	20	30	-	0	-	-	-
PICKERING	9 9	44	4.2	-1.6	1.3	-	10.3	25	-10.8	30	-	-	107	167	24	13	23	16	13	15	0	1	0	2	19	20	-	0	-	-	-
SCARBOROUGH	9 9	53	5.2	0.8	3.0	-	10.0	25	-5.2	12	2.4	4.4	89	149	15	1	22	14	12	5	0	1	0	0	9	21	17	1	1.89	140	-
SILPHO MOOR	9 9	203	4.0	-0.8	1.6	-	9.3	25	-7.0	13	2.1	-	130	157	29	1	26	21	6	16	0	0	0	3	18	26	-	0	1.77	-	-
SNAITHOLME	9 9	290	3.0	-2.4	0.3	-	7.8	25	-11.5	12	-	-	143	-	32	13	23	16	10	17	0	0	0	2	22	23	-	0	0.88	-	S
WHITBY	9 9	41	4.8	0.1	2.5	-	10.2	25	-8.2	13	-	-	107	-	20	13	23	16	15	3	3	2	1	1	12	(18)	-	3	1.75	-	-
WHITBY(COASTGUARD)	21-9	60	4.9	1.1	3.0	-	10.6	25	-7.2	13	-	-	89	-	15	25	21	17	12	3	0	1	1	1	8	17	17	5	-	-	-
YORK(HESLINGTON)	9 9	20	4.5	-0.3	2.1	-	10.2	25	-6.0	12	2.5	3.9	67	122	13	25	18	13	9	2	0	0	0	4	12	23	-	0	1.75	-	-
HUMBERSIDE																																
BRIDLINGTON	9 9	48	4.5	-0.6	1.9	-	9.5	25	-7.6	30	-	-	122	179	24	13	20	18	16	0	0	5	0	4	13	21	-	3	1.94	-	-
BRIGG	9 9	3	4.7	-0.5	2.1	-	11.3	25	-5.2	12	-	-	66	112	16	27	18	15	8	4	0	0	0	4	17	21	-	0	-	-	-
CLEETHORPES	9 9	6	-	0.7	-	-	-	-	-4.0	12	-	-	62	114	15	27	15	11	-	7	-	-	-	4	10	-	-	-	1.63	104	-
HULL	9 9	2	5.2	0.1	2.7	-0.8	11.1	25	-5.5	12	2.5	4.9	81	139	19	13	20	16	9	4	0	0	0	1	12	25	-	0	2.06	162	-
LINCOLNSHIRE																																
BINBROOK	21-9	108	3.5	-0.2	1.7	-	10.7	25	-6.8	30	-	-	85	132	20	27	21	13	16	14	1	6	1	5	16	22	23	1	1.82	-	-
CAISTOR	9 9	55	4.4	-0.6	1.9	-	11.2	25	-5.6	13	-	-	87	-	24	27	19	17	-	-	-	-	-	-	18	-	-	-	-	-	-
CRANWELL	9 9	62	4.3	-0.5	1.9	-0.8	11.7	25	-6.2	30	1.7	2.7	62	123	16	27	21	13	13	5	0	0	0	5	16	26	27	2	1.70	96	-
KIRTON	9 9	4	4.3	-0.1	2.1	-	11.7	25	-3.1	30	3.2	5.5	55	-	23	27	20	11	9	7	0	0	0	5	19	25	-	0	1.84	-	-
LINCOLN	9 9	7	4.4	-0.7	1.9	-0.8	12.4	25	-5.4	13	2.6	3.9	85	-	22	27	18	14	11	2	0	0	0	3	18	22	-	0	1.45	-	S
SKEGNESS	9 9	5	4.8	0.4	2.6	-0.6	10.0	26	-3.5	30	-	-	61	118	22	27	18	14	0	0	0	0	0	0	11	23	-	1	1.91	113	-
SUTTON BRIDGE	9 9	4	4.9	0.2	2.5	-	11.8	25	-3.5	4	-	-	66	127	26	27	19	13	5	-	0	0	0	-	14	22	-	0	-	-	-
WADDINGTON	21-9	68	4.2	0.6	2.4	-0.5	11.9	25	-3.4	30	-	-	71	136	23	27	17	12	15	4	0	4	0	7	13	21	18	3	1.69	102	-
3 EAST ANGLIA																																
NORFOLK																																
COLTISHALL	21-9	17	5.4	1.1	3.3	-	11.9	25	-6.2	12	-	-	93	175	21	27	24	17	12	5	0	2	0	6	11	20	18	0	-	-	-
CROMER	9 9	54	5.2	1.1	3.1	-0.3	11.0	25	-3.7	12	-	-	92	171	25	27	21	14	5	-	0	0	0	4	8	18	-	0	2.24	135	-
GORLESTON	9 9	4	5.6	0.9	3.3	-0.4	10.3	25	-5.2	12	3.8)	5.9	60	117	9	27	23	13	5	2	0	0	0	3	9	-	-	0	1.70	104	-
MARHAM	21-9	23	4.6	0.4	2.5	-	11.7	25	-5.9	30	-	-	60	-	14	27	22	15	13	2	0	1	0	2	14	20	18	0	1.50	-	-
MORLEY ST BOTOLPH	9 9	48	4.6	0.1	2.3	-	11.4	25	-4.8	30	2.8	-	83	-	14	27	26	16	8	2	0	1	0	5	12	21	-	0	1.58	-	-
SANTON DOWNHAM	9 9	24	5.0	-1.2	1.9	-	11.7	25	-8.6	30	3.0	4.4	70	123	13	27	21	15	-	0	-	-	-	2	16	24	-	-	1.47	-	-
SCOLE	9 9	27	5.0	0.1	2.5	-	11.5	25	-5.4	4	2.6	4.0	81	-	17	13	22	14	10	3	0	3	0	6	15	21	-	0	1.67	-	-
TERRINGTON ST CLEMENT	9 9	3	4.6	0.0	2.3	-0.6	11.6	25	-3.6	30	2.9	-	65	133	24	27	22	11	7	2	0	1	0	1	12	22	-	0	1.60	96	-
CAMBRIDGESHIRE																																
BOXWORTH	9 9	53	4.8	0.4	2.6	-	12.1	25	-4.6	30	-	-	49	103	10	27	19	13	4	2	0	0	0	3	12	21	-	1	1.29	-	-
CAMBRIDGE																																
BOTANIC GARDEN	9 9	12	5.4	(0.4)	2.9)	-0.3)	12.1	25	-5.5	30	3.2	5.3	54	118	10	27	18	14	4	0	0	;	0	0	(13)	20	-	0	-	-	-
NATIONAL INSTITUTE OF AGRICULTURAL BOTANY	9 9	26	5.3	0.6	2.9	-	12.0	25	-5.5	31	-	-	45	98	10	27	18	12	3	0	0	0	0	3	12	21	-	0	1.40	81	-
MARCH	9 9	2	5.1	0.1	2.6	-	12.2	25	-4.0	30	-	-	53	109	15	27	18	11	-	0	-	-	-	-	12	-	-	-	-	-	-
MEPAL	9 9	-2	5.0	0.0	2.5	-	12.1	25	-5.0	30	4.1	7.4	45	-	11	27	15	12	4	1	0	1	0	3	16	26	-	0	1.34	-	-
WITTERING	9 9	73	4.5	0.4	2.5	-	11.8	25	-5.2	30	-	-	68	-	31	27	20	9	14	4	0	1	0	4	16	21	20	0	1.50	-	-
WYTON	21-9	40	4.9	1.2	3.1	-	12.3	25	-3.3	30	-	-	44	97	9	27	17	9	7	0	0	2	0	4	12	20	19	0	-	-	-
SUFFOLK																																
ALDEBURGH	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.57	-	-
BROOMS BARN	9 9	75	4.6	0.6	2.6	-	11.9	25	-3.8	30	2.5	4.1	58	118	13	27	22	15	8	3	0	2	0	3	12	20	-	1	1.68	-	-
EAST BERGHOLT	9 9	4	5.4	0.3	2.9	-	12.0	25	-5.5	4	-	-	55	117	12	13	16	16	4	2	0	0	0	5	15	20	-	0	-	-	-
HAUGHLEY	9 9	58	(4.8)	(0.1)	2.5)	-	11.5	25	-5.0	30	3.7)	-	53	-	12	13	18	14	-	5	-	-	-	10	15	19	-	-	-	-	-
HONINGTON	21-9	50	4.8	0.9	2.9	-	12.1	25	-5.3	30	-	-	62	122	12	27	23	13	12	2	0	2	0	6	15	17	14	0	1.55	-	-
LOWESTOFT	9 9	25	5.4	0.7	3.1	-0.2	10.2	25	-5.5	12.13	3.4	4.6	55	102	8	12.13	21	12	5	3	1	0	0	4	13	13	15	1	1.50	91	S
WATTISHAM	21-9	89	4.5	0.6	2.5	-0.4	11.5	25	-5.9	30	-	-	58	118	10	13	21	15	10	5	0	3	0	12	15	22	16	2	1.50	-	-
BEDFORDSHIRE																																
CARDINGTON	21-9	29	5.3	0.7	3.0	-	12.7	25	-6.0	30	3.4	4.7	49	108	11	13	15	12	7	0	0	3	0	1	13	18	18	1	1.45	-	-
LUTON	9 9	159	3.7	0.2	1.9	-	8.3	24.25	-3.5	30	2.9	5.3	90	155	33	1	10	10	-	1	-	-	-	7	13	-	-	-	1.08	-	-
SILSOE	9 9	61	5.1	(0.2)	2.7)	-0.4)	12.4	25	-6.4	30	2.9	5.3	56	125	13	13	16	13	5	1	1	3	0	6	(12)	20	20	-	1.38	81	-
WOBURN	9 9	89	5.0	0.0	2.5	-0.4	12.1	25	-6.3	30	3.4	5.8	65	122	18	13	15	13	7	1	0	0	0	1	14	22	-	0	1.13	68	-
HERTFORDSHIRE																																
ALDENHAM SCHOOL	9 9	91	4.9	0.4	2.7	-	11.0	25	-5.2	4	3.1	-	73	125	19	13	20	15	7	2	0	0	0	3	13	-	17	0	-	-	-
GARSTON	9 9	78	5.3	0.5	2.9	-	11.7	25	-5.6	30	-	-	71	123	19	13	18	15	4	0	0	0	0	3	12	20	18	0	1.27	-	-
HODDESDON	9 9	43	5.7	0.5	3.1	-	12.2	25	-6.2	4	4.1	-	61	112	11	13	18	13	2	0	0	1	0	-	16	22	-	1	1.14	-	-
ROTHAMSTED	9 9	128	4.6	0.1	2.3	-0.4	11.2	25	-4.9	30	3.4	5.4	74	123	21	13	20	15	6	2	0	1	0	7	14	24	-	0	1.34	82	-
ST ALBANS	9 9	83	5.1	0.5	2.8	-0.1	11.6	25	-4.4	30	3.3	-	66	123	17	13	18	14	5	0	0	3	0	5	13	23	-	1	1.29	-	-
STANSTEAD ABBOTTS	9 9	30	-	-	-	-	-	-	-	-	-	(6.0)	51	101	9	13	20	12	-	0	-	-	-	2	-	-	-	-	-	-	-
ESSEX																																
CLACTON-ON-SEA	9 9	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HALSTEAD	9 9	70	4.9	0.4	2.7	-	11.6	25	-6.1	13	3.2	4.8	59	-	11	13	21	14	6	3	0	0	0	7	13	20	-	1	-	-	-
HARLOW	9 9	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITTLE PARNDON	9 9	54	5.2	0.5	2.9	-	11.9	25	-6.6	4	-	-	51	104	11	13	18	12	2	0	0	0	0	4	13	-	-	0	-	-	-
MALDON	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOEBURYNESS	21-9	2	5.6	2.1	3.9	0.0	11.7	25	-3.4	12	-	-	60	139	11	13	20	15	3	2	1	0	0	1	10	17	16	0	1.43	87	-
STANFORD-LE-HOPE	9 9	6	5.7	0.8	3.3	-	12.5	25	-5.0	4.13	-	-	76	-	19	13	20	14	3	-	0	0	0	2	12	-	-	0	1.32	-	-
STANSTED	21-9	101	4.6	0.6	2.6	-	11.9	25	-6.7	30	-	-	63	121	17	13	18	15	9	0	0	1	0	8	13	17	15	0	-	-	-
WRITTLE	9 9	32	5.2	0.5	2.9	-0.3	12.1	25	-5.7	13	4.0	-	69	144	13	1	22	16	3	2	0	0	0	9	14	21	-	1	1.29	96	S

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JANUARY 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HIGHT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		MEAN EARTH TEMPERATURE: 30 CM DEGREES C	100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
							MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE															
4 MIDLAND COUNTIES																														
WEST YORKSHIRE																														
BRADFORD	9 9	134	4.2	-0.6	1.8	-0.9	10.6	25	-6.1	12	1.8	4.2	88	103	27	13	18	14	12	8	0	0	0	3	17	24	-	1	1.34	128	S
BRAMHAM	9 9	54	4.4	-0.4	2.0	-	10.4	25	-6.0	12	-	-	73	119	18	13	19	12	6	4	C	0	0	5	16	27	-	0	-	-	-
HUDDERSFIELD																														
OAKES	21-9	232	3.4	-0.1	1.7	-0.8	11.3	25	-6.0	13	1.9	3.8	95	95	29	13	20	14	14	13	1	3	1	2	15	22	-	2	1.74	131	-
RAVENSKNOWLE	9 9	99	4.9	-0.1	2.4	-0.5	11.6	25	-6.1	17	1.9	4.0	77	101	17	27	19	11	7	8	0	1	0	7	13	22	-	0	1.66	171	-
ILKLEY	9 9	83	4.5	-0.3	2.1	-0.6	10.5	25	-6.2	30	-	-	99	118	31	13	18	14	6	7	0	0	0	2	13	17	-	0	1.44	108	-
TODMORDEN	9 9	160	4.3	-0.8	1.7	-	10.2	25	-6.6	17	-	-	99	-	27	25	18	15	11	12	0	2	0	3	17	-	-	0	-	-	-
PONTEFRACT	9 9	78	4.6	0.0	2.3	-0.7	10.7	25	-4.4	12.30	-	-	64	134	15	13	17	11	11	6	0	3	1	4	14	-	-	0	-	-	-
WILSDEN	9 9	262	3.4	-1.4	1.0	-	10.0	25	-6.1	12.17	-	-	75	-	20	25	21	16	14	14	2	1	0	9	20	26	26	1	-	-	-
SOUTH YORKSHIRE																														
FINNINGLEY	21-9	10	4.5	0.4	2.5	-	11.3	25	-6.1	30	-	-	68	142	12	1.27	16	10	14	3	0	4	0	4	13	20	21	1	1.59	-	-
SHEFFIELD																														
DORE	9 9	206	3.8	-0.2	1.8	-	10.5	25	-7.2	30	-	-	126	-	24	27	19	16	15	21	1	7	0	4	16	-	-	2	-	-	-
WESTON PARK	9 9	131	4.6	0.4	2.5	-0.9	11.5	25	-4.2	30	2.4	4.6	114	140	25	14	18	15	10	12	0	0	0	-	12	21	-	0	1.48	120	S
DERBYSHIRE																														
ASHOVER	9 9	178	3.8	-0.7	1.5	-	10.6	25	-6.8	30	-	-	123	-	27	27	16	15	15	19	0	1	1	4	18	23	-	0	1.29	-	-
BUXTON	9 9	307	3.2	-1.4	0.9	-0.8	9.7	25	-8.7	17	1.6	2.7	153	115	27	13	20	19	13	17	0	0	0	0	12	21	22	0	-	-	S
DERBY	9 9	48	5.1	0.1	2.6	-	12.7	25	-6.3	30	-	-	82	141	25	27	16	13	9	0	0	0	1	2	14	24	-	0	1.23	-	S
MORLEY	9 9	107	4.8	-0.5	2.1	-	12.1	24	-6.3	30	-	-	73	116	20	26	17	14	6	0	0	0	0	6	16	23	-	0	1.05	-	-
WINGERWORTH	9 9	126	3.9	-0.9	1.5	-	10.9	25	-8.5	30	1.9	-	112	-	25	27	18	14	13	13	0	2	1	7	18	25	-	0	1.62	-	-
NOTTINGHAMSHIRE																														
MANSFIELD	9 9	114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEWTHORPE	9 9	58	-	-2.3	-	-	-	-	-9.6	30	-	-	86	-	22	27	14	11	-	-	-	-	-	-	23	-	-	-	-	-	-
NOTTINGHAM	9 9	59	5.2	0.7	2.9	-0.4	12.5	25	-4.0	30	2.1	3.5	70	129	21	27	16	12	10	3	1	0	1	5	12	27	-	0	1.52	126	-
SUTTON BONINGTON	9 9	48	-	0.3	-	-	-	-	-4.6	17	3.1	4.6	67	124	22	27	17	13	10	1	0	1	0	1	11	25	23	0	1.45	107	-
WARSOP	9 9	46	4.4	-0.3	2.1	-	11.8	25	-9.9	30	-	-	87	160	31	27	18	14	11	9	0	3	0	6	15	25	-	0	1.44	-	-
WATNALL	21-9	117	4.3	0.5	2.4	-0.5	11.8	25	-5.3	30	-	-	88	133	24	27	19	14	17	10	1	4	1	5	13	22	19	0	1.38	106	-
STAFFORDSHIRE																														
KEELE	9 9	179	3.7	-0.7	1.5	-	11.0	25	-5.1	17	2.3	4.4	87	122	15	1	22	16	8	16	0	1	0	8	18	22	21	0	1.11	-	-
OAKEN	9 9	125	4.3	-0.3	2.0	-0.7	11.6	25	-5.5	17	3.3	-	79	132	26	27	20	11	11	9	0	0	0	8	17	21	-	0	-	-	S
PENKRIDGE	9 9	101	(4.5)	-1.2	1.7)	-	11.6	25	-7.7	3	-	-	77	131	20	27	20	14	8	8	0	0	0	3	22	21	-	0	-	-	-
STONE	9 9	107	4.1	-0.6	1.7	-	11.6	25	-5.9	3	-	-	75	113	17	27	20	13	13	13	1	0	0	7	18	23	-	1	1.24	-	-
LEICESTERSHIRE																														
CALDECOTT	9 9	52	4.9	-0.1	2.4	-	12.1	25	-6.0	30	-	-	63	128	20	27	16	14	6	0	0	2	0	4	14	22	-	0	1.35	-	-
NEWTOWN LINFORD	9 9	119	4.4	-0.7	1.9	-	11.7	25	-7.3	30	-	-	85	143	26	27	18	13	10	8	0	2	0	3	17	20	-	0	1.51	-	-
SALOP																														
HAMPTON LOADE	9 9	64	5.2	-0.2	2.5	-	11.7	25	-5.6	3	-	-	89	-	29	27	18	14	-	-	-	-	-	-	15	-	-	-	1.29	-	-
NEWPORT	9 9	64	4.7	-0.5	2.1	-0.6	12.0	25	-5.8	12	-	-	75	135	18	27	20	15	7	8	0	1	0	4	18	24	-	0	1.56	114	S
OSWESTRY	9 9	174	4.7	-0.5	2.1	-1.0	10.5	5	-5.0	3.30	-	-	121	135	28	27	22	15	10	15	0	1	0	5	16	25	-	0	1.40	85	S
PRESTON MONTFORD	9 9	67	5.4	-0.3	2.5	-	12.5	25	-5.7	17	2.4	4.0	77	-	20	27	15	13	6	10	0	1	2	0	18	27	-	0	1.74	-	S
SHAWBURY	21-9	72	5.0	-0.2	2.4	-0.8	12.7	25	-8.1	30	-	-	81	145	18	13	19	14	15	4	1	1	0	4	17	21	19	0	1.54	101	-
SHREWSBURY	9 9	56	5.4	0.1	2.7	-0.6	12.6	25	-5.3	30	3.0	4.7	63	119	18	27	17	14	9	2	0	0	0	3	16	24	-	0	1.59	100	-
WEST MIDLANDS																														
BIRMINGHAM																														
EDGBASTON	21-9	163	4.2	0.9	2.5	-0.8	11.5	25	-3.7	13	4.3	-	86	129	27	27	20	13	15	14	3	0	1	8	12	20	20	0	1.23	89	-
ELMDON AIRPORT	21-9	96	4.7	0.2	2.5	-0.6	12.3	25	-5.8	3	-	-	73	-	20	27	17	11	15	2	1	1	1	4	14	22	21	0	1.26	89	-
KING EDWARD SCHOOL	9 9	137	4.9	-0.3	2.3	-	11.0	25	-5.4	30	-	-	76	121	24	27	17	13	-	6	-	-	-	4	18	-	-	-	-	-	-
COVENTRY AIRPORT	9 9	81	4.8	-0.8	2.0	-	12.1	25	-6.9	30	3.4	4.4	66	-	17	27	22	13	7	5	0	0	0	1	19	-	-	0	1.30	-	-
WARWICKSHIRE																														
LONG LAWFORD	9 9	87	4.7	-0.5	2.1	-	12.3	25	-5.8	30	2.7	-	57	-	14	27	18	12	12	5	0	3	0	3	17	26	-	0	-	-	-
LUDDINGTON	9 9	56	4.8	-0.2	2.3	-	12.7	25	-6.0	30	-	-	47	-	11	27	18	13	4	3	0	1	0	4	16	21	-	0	1.28	-	-
MORETON MORRELL	9 9	85	4.7	-0.2	2.3	-	12.2	25	-6.0	30	-	-	64	121	18	13	17	13	5	4	0	0	0	1	15	21	-	0	1.19	-	-
RUGBY	9 9	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHIPSTON-ON-STOUR	9 9	111	4.7	0.3	2.5	-0.6	12.2	25	-4.5	17	3.2	-	72	124	23	13	20	15	9	7	0	0	0	1	13	22	-	2	1.22	73	S
STRATFORD-UPON-AVON	9 9	49	5.0	-0.5	2.3	-0.7	12.8	25	-7.6	30	3.4	-	51	99	13	13	18	13	-	0	-	-	-	1	18	23	-	-	1.16	78	-
WELLESBOURNE	9 9	47	4.9	0.1	2.5	-	12.6	25	-5.2	30	2.8	4.2	57	111	16	13	16	13	-	3	-	-	-	6	15	(21)	20	-	1.25	-	-
NORTHAMPTONSHIRE																														
BUGBROOKE MILLS	9 9	69	5.0	-0.7	2.1	-	12.0	25	-5.6	30	3.3	5.0	48	93	14	13	18	12	5	0	0	0	0	4	18	-	-	0	1.43	-	-
MOULTON PARK	9 9	122	(4.5)	-0.1	2.2)	-	11.5	25	-5.1	30	3.0	4.9	44	-	10	27	16	10	3	1	0	1	0	0	16	24	-	0	-	-	S
RAUNDS	9 9	59	4.7	-0.1	2.3	-0.4	11.7	25	-5.9	30	2.7	5.3	58	108	13	27	19	12	5	1	0	1	0	3	14	20	-	0	1.33	89	S
HEREFORD & WORCESTER																														
ASTWOOD BANK	9 9	139	4.4	-0.5	1.9	-	12.0	25	-5.7	3	-	-	65	-	15	13	20	12	13	5	0	1	1	8	16	21	-	1	-	-	-
HEREFORD	9 9	52	5.8	0.1	2.9	-	12.4	25	-5.8	3	3.1	5.2	76	126	19	13	19	12	6	5	1	0	1	3	15	20	-	0	1.69	-	-
LYONSHALL	9 9	155	4.7	-0.2	2.3	-0.8	10.5	25	-5.5	17.30	-	-	102	125	19	27	20	18	-	-	-	-	-	-	16	28	-	-	-	-	-
MALVERN	9 9	62	5.5	0.6	3.1	-	12.3	25	-4.6	3	2.6	4.9	74	109	16	25	20	16	6	4	0	0	0	5	12	18	-	1	1.15	71	S
PERSHORE																														
COLLEGE OF HORT.	9 9	40	(5.2)	0.0	2.6)	-	12.7	25	-5.2	3	-	-	57	104	14	13	20	13	8	7	0	3	0	2	14	23	-	1	1.21	-	-
ROYAL RADAR EST.	21-9	35	5.2	0.1	2.7	-	13.1	25	-8.5	3	-	-	52	103	11	13	18	14	11	5	0	0	0	3	15	19	19	0	1.12	-	-
PRESTON WYNNE	9 9	84	5.0	-0.2	2.4	-	11.4	25	-5.2	30	-	-	87	143	20	13	18	14	5	3	0	0	0	5	15	21	-	0	1.33	-	-
GLOUCESTERSHIRE																														
CHELTENHAM	9 9	65	5.7	0.2	2.9	-0.7	13.0	25	-9.0	3	-	-	82	143	20	13	18	16	4	0	0	0	0	0	15	-	-	0	1.05	72	-
INNSWORTH	21-9	21	5.7	1.1	3.4	-	13.6	25	-6.7	3	-	-	57	-	13	13	21	13	9	2	1	2	0	1	14	19	18	0	1.23	-	-
OXFORDSHIRE																														
BENSON	21-9	67	5.2	1.2	3.2	-	11.8	25	-4.6	3	-	-	66	-	21	13	17	15	9	0	0	2	0	2	13	19	-	0	1.30	-	-
BRIZE NORTON	21-9	81	5.0	0.6	2.8	-	12.8	25	-6.9	30	-	-	61	-	16	13	20	15	10	1	0	0	0	4	13	19	19	0	1.15	-	-
LETCOMBE REGIS	9 9	107	5.2	0.3	2.7	-	11.7	25	-5.5	30	3.5	-	79	121	31	13	17	14	5	1	0	0	0	1	15	25	-	0	-	-	-
OXFORD	9 9	63	5.4	0.7	3.1	-0.4	12.6	25	-4.4	30	2.8	4.3	76	129	18	13	19	15	7	1	0	1	0	4	11	20	-	2	1.14	67	-
SHIRBURN(MODEL FARM)	9 9	108	5.0	0.3	2.7	-	11.5	25	-5.4	30	-	-	75	-	25	13	17	16	6	5	0	0	0	2	16	21	-	1	-	-	-
WALLINGFORD	9 9	48	5.4	0.2	2.8	-	12.1	25	-5.7	3	3.7	5.6	66	137	22	13	17	15	3	0	1	0	0	1	16	21	-	0	0.92	-	S
BUCKINGHAMSHIRE																														
AYLESBURY	9 9	96	5.2	0.5	2.9	0.0	11.8	25	-5.5	4	-	-	59	110	17	13	18	16	7	4	0	1	0	9	15	19	-	1	1.07	72	S
GRENDON UNDERWOOD	9 9	67	5.1	-0.6	2.3	-	12.1	25	-6.5	4	3.4	5.3	76	139	18	13	18	16	5	2	0	0	0	3	17	20	-	0	1.21	-	-
MEDMENHAM	9 9	30	5.6	-0.7	2.5	-	11.8	25	-6.3	17	-	-	62	98	16	13	19	16	-	0	-	-	-	-	17	25	-	-	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JANUARY 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	BRIGHT SUNSHINE: GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
5 ENGLAND SE & CENTRAL S.																																
GREATER LONDON																																
BROMLEY	9 9	65	5.9	1.4	3.7	0.0	12.0	25	-3.0	4.13	-	-	(82)	149)	27	13	(18)	(14)	-	1	-	-	-	-	11	-	-	-	-	-	-
ENFIELD	9 9	17	6.1	2.0	4.1	-	12.7	25	-2.6	17	3.8	6.3	65	-	14	13	19	13	4	0	0	2	0	0	10	20	-	0	-	-	-
GREENWICH	9 9	7	(6.3)	(1.6)	3.9)	-	12.5	25	-4.0	13	-	-	69	144	20	13	16	14	3	0	0	0	0	0	(11)	(14)	-	0	1.06	-	-
HAMPSTEAD	9 9	137	(5.1)	(0.9)	3.0)	-0.1)	11.1	25	-3.0	3	-	-	69	124	17	13	16	14	3	1	0	0	0	4	15	-	-	0	1.09	78	S
HAMPTON	9 9	12	6.1	1.3	3.7	-0.2	11.8	25	-3.7	4	-	-	63	123	17	13	22	14	3	0	0	0	0	2	12	21	-	0	1.08	70	-
HARROW WEALD	9 9	98	5.8	0.5	3.1	-	11.5	25	-4.5	30	3.9	5.8	68	-	14	13	19	13	-	-	-	-	-	-	13	17	-	-	-	-	-
HEATHROW AIRPORT	21-9	25	6.1	1.5	3.8	+0.1	12.4	25	-4.5	4.17	-	-	63	122	16	13	18	13	4	2	0	3	0	3	13	15	13	0	1.23	-	-
KENSINGTON PALACE	9 9	25	6.1	1.8	3.9	-0.2	12.2	25	-2.3	17	4.2	6.1	71	137	16	13	19	14	2	1	0	0	0	0	11	20	-	0	-	-	-
KEW	21-9	6																													
PSYCHROMETER			6.0	1.4	3.7	-	12.6	25	-5.6	4	4.1	5.9	65	133	17	13	16	14	5	2	0	1	1	2	15	16	13	0	1.32	86	-
NORTH WALL SCREEN			6.1	2.3	4.2	0.0	12.3	25	-3.8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LONDON																															
WEATHER CENTRE (X)	21-9	77	6.5	3.2	4.9	-	12.6	25	-2.1	13	-	-	58	-	13	13	17	14	7	0	0	0	1	0	4	-	-	0	1.24	108	-
ST JAMES PARK	9 9	4	6.3	2.1	4.2	-0.3	12.5	25	-3.0	4	-	-	66	132	15	13	16	14	-	0	-	-	-	-	9	17	-	-	-	-	-
SOUTHGATE	9 9	67	-	-	-	-	-	-	-	-	-	-	60	111	13	13	16	13	3	0	0	1	0	1	-	-	-	0	1.43	113	-
WADDON	9 9	59	-	(1.2)	-	-	-	-	-4.5	3.13	-	-	80	137	24	13	16	15	-	-	-	-	-	-	(11)	-	-	-	-	-	-
WEALDSTONE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.96	-	-
WILTSHIRE																															
BOSCOMBE DOWN	21-9	126	4.9	0.8	2.9	-0.4	11.3	25	-5.2	30	-	-	73	101	29	13	21	14	9	2	1	1	0	5	14	19	15	1	1.04	61	-
LACOCK	9 9	49	5.6	-0.2	2.7	-	12.0	25	-5.6	30	-	-	61	94	25	13	20	12	-	-	-	-	-	5	15	21	-	-	-	-	-
LARKHILL	9 9	132	5.4	0.3	2.9	-0.2	11.8	25	-6.1	30	-	-	84	118	36	13	19	14	7	2	1	0	2	4	16	19	17	0	-	-	-
LYNEHAM	21-9	145	5.0	0.6	2.8	-0.3	11.7	25	-5.4	30	-	-	61	94	18	13	20	14	14	2	0	6	0	3	15	22	18	0	1.54	-	-
PORTON	9 9	110	5.3	0.3	2.8	-0.3	11.4	25	-6.0	30	3.1	-	82	111	29	13	20	14	-	1	-	-	-	3	14	19	19	0	1.00	56	-
TROWBRIDGE	9 9	37	5.8	-0.5	2.7	-	12.1	25	-5.9	3	3.3	-	65	-	24	13	20	13	8	2	0	2	1	4	15	22	-	1	-	-	-
UPAVON	21-9	179	4.2	0.6	2.4	-	10.8	25	-4.7	3	-	-	81	117	27	13	20	17	11	2	1	1	1	3	14	21	17	0	-	-	-
BERKSHIRE																															
EASTHAMPSTEAD	9 9	77	5.4	-0.1	2.7	-	11.4	25	-6.8	4	3.4	4.8	62	-	22	13	16	14	6	0	0	1	0	3	16	17	16	0	1.21	-	-
HURLEY	9 9	43	5.4	0.2	2.8	-	11.7	25	-5.1	4	3.2	-	65	103	16	13	17	15	4	1	0	2	0	7	13	-	-	1	1.04	-	S
LAMBOURN(WARREN FARM)	9 9	192	4.3	-0.4	1.9	-	10.8	25	-6.2	30	2.9	-	65	-	18	13	18	14	-	-	-	-	-	6	16	-	-	-	-	-	-
READING	9 9	66	5.5	0.6	3.1	-	11.5	25	-5.5	13	4.0	5.4	57	-	16	13	15	14	4	1	0	1	0	4	11	20	18	1	1.34	-	-
SHINFIELD(N.I.R.D.)	9 9	62	5.6	0.2	2.9	-	11.5	25	-4.9	13	-	-	57	-	16	13	17	14	1	0	0	0	0	6	16	19	-	0	1.25	-	S
SURREY																															
MERRIST WOOD	9 9	46	5.8	0.8	3.3	-	11.8	25	-5.0	17	3.5	-	74	-	25	13	18	13	3	0	0	0	0	4	14	(18)	-	0	1.34	-	-
MICKLEHAM	9 9	55	5.7	0.3	3.0	+0.1	10.0	24.25	-6.3	4	3.2	4.8	95	140	27	13	19	15	1	1	0	0	0	0	13	18	-	0	-	-	-
WISLEY	9 9	35	6.2	0.8	3.5	0.0	12.0	25	-5.2	4	3.4	5.0	74	131	26	13	21	14	2	1	0	0	0	8	15	18	-	1	1.40	94	-
KENT																															
DOVER R.M.S.	9 9	123	5.5	1.8	3.7	-	10.1	25	-2.2	13	-	-	93	118	13	5	22	18	3	2	0	0	0	4	8	-	-	4	-	-	-
DUNGENESS	9 9	3	6.6	2.3	4.5	-	10.4	25	-3.2	4	-	-	89	137	16	13	22	13	5	2	2	0	0	1	11	-	-	4	-	-	-
EAST MALLING	9 9	32	5.8	1.2	3.5	+0.2	12.4	25	-4.6	4	3.5	4.8	91	155	18	13	21	16	4	2	0	1	0	3	12	16	16	1	1.32	85	-
ELMSTONE	9 9	5	(6.5)	(0.9)	3.7)	-	12.2	25	-5.1	13	-	-	71	125	16	13	20	15	2	1	0	0	0	2	12	18	-	1	-	-	-
FAVERSHAM	9 9	48	5.8	1.4	3.6	-	12.3	25	-3.2	12.13	3.4	5.0	97)	167)	(23)	11	21)	(16)	2	2	0	1	0	4	10	16	-	0	1.52	-	-
FOLKESTONE	9 9	31	6.1	1.6	3.9	-	10.6	25	-3.7	4	-	5.7	84	128	15	1	20	17	5	2	1	0	0	3	11	16	-	5	2.15	111	-
GILLINGHAM	9 9	4	6.0	1.2	3.6	-	12.4	25	-4.0	4	-	-	85	163	24	13	19	14	-	-	-	-	-	-	11	-	-	-	-	-	-
GOUDHURST	9 9	85	5.0	0.5	2.7	-0.2	11.2	25	-6.4	17	-	-	110	135	27	13	20	17	7	3	0	0	0	1	14	18	-	0	-	-	-
HADLOW COLLEGE	9 9	30	6.3	0.7	3.5	-	12.2	25	-5.3	4	3.8)	5.7	90	-	19	13	20	16	3	1	1	0	0	4	14	20	-	0	1.19	-	-
HERNE BAY	9 9	31	5.8	1.4	3.6	-	12.5	25	-5.0	13	3.8	-	75	-	17	13	20	17	3	0	0	0	0	1	9	14	-	0	1.77	109	-
MANSTON	21-9	44	5.7	1.8	3.7	-	11.7	25	-3.7	4	-	-	58	108	10	13	22	15	10	2	0	4	0	1	8	15	14	3	1.88	-	-
MARGATE	9 9	16	6.1	2.5	4.3	0.0	12.0	25	-1.4	13	4.2	5.5	54	107	13	13	19	13	2	2	0	1	0	1	4	12	-	1	1.55	92	-
ULCOMBE	21-9	47	5.6	1.2	3.4	-	12.2	25	-6.1	4	-	-	97	-	20	13	20	19	5	2	0	0	0	7	12	17	15	0	1.39	-	-
WYE	9 9	56	6.0	0.9	3.5	+0.2	11.8	25	-5.6	4	4.1	5.5	92	140	16	13	21	19	4	2	0	1	0	9	14	19	-	1	1.56	93	-
HAMPSHIRE																															
ALICE HOLT LODGE	9 9	115	5.1	0.1	2.6	-0.5	11.0	25	-6.6	13	-	-	93	121	30	13	20	17	2	0	1	0	0	2	14	18	-	0	1.48	-	-
EVERTON	9 9	16	6.6	1.7	4.1	-	10.4	25	-2.9	30	-	-	91	113	20	13	20	14	1	0	1	0	1	1	12	17	-	1	1.88	-	-
HAYLING ISLAND	9 9	4	(6.6)	(2.2)	4.4)	-	11.2	25	-2.1	11	-	-	78	112	19	13	16	15	1	0	0	0	0	1	(8)	-	-	1	2.08	-	-
LECKFORD	9 9	117	5.3	0.5	2.9	-0.2	11.0	25	-6.0	12	3.7	-	86	113	26	13	21	14	3	0	0	0	0	4	13	-	-	0	1.28	73	-
LONG SUTTON	9 9	145	5.2	0.7	2.9	-	11.0	25	-4.9	13	2.9	4.1	95	122	25	13	19	17	3	1	0	1	0	3	13	-	-	1	1.58	100	-
MARTYR WORTHY	9 9	84	5.5	0.2	2.9	-	11.0	25	-5.1	12	-	-	88	111	27	13	19	16	3	0	0	1	0	5	14	20	-	1	1.24	-	-
SOUTHAMPTON																															
MAYFLOWER PARK	9 9	3	6.8	1.8	4.3	-0.2	11.2	25	-3.5	30	5.2	8.1	76	-	18	13	19	12	4	0	0	0	1	2	12	17	16	0	1.42	78	-
WEATHER CENTRE (X)	21-9	19	6.6	2.8	4.7	-	11.5	25	-3.6	30	-	-	76	-	19	13	18	12	4	-	0	0	1	2	6	-	14	0	-	-	-
SOUTHSEA	9 9	2	6.9	2.6	4.7	0.0	11.5	25	-2.4	13	4.6	6.2	81	109	19	13	17	15	2	1	0	0	0	0	8	15	-	1	-	-	-
SPARSHOLT	9 9	113	5.5	0.7	3.1	-	11.0	25	-5.5	12	-	-	91	-	31	13	20	15	4	0	0	0	1	4	13	17	-	1	1.25	-	S
ISLE OF WIGHT																															
RYDE	9 9	4	6.9	2.5	4.7	-0.2	11.8	25	-3.1	31	-	-	85	103	21	13	17	15	3	2	1	0	1	0	9	-	-	2	2.04	105	-
ST CATHERINES POINT	9 9	16	6.8	3.3	5.1	0.0	10.5	25	-1.1	3	-	-	79	97	16	13	18	13	4	1	0	5	0	0	5	-	-	5	-	-	-
SANDOWN	9 9	4	6.9	2.0	4.5	-0.4	11.1	25	-6.0	12	-	-	103	124	17	25	20	15	1	-	0	0	0	0	10	-	-	1	2.52	119	-
SHANKLIN	9 9	55	6.4	1.9	4.1	-0.6	11.0	25	-4.4	12	-	-	111	112	16	25	19	16	3	2	2	0	1	1	9	-	-	1	2.37	109	S
VENTNOR	9 9	135	6.8	2.6	4.7	-0.2	10.2	21	-3.3	13	4.8	6.6	102	112	17	13	19	16	3	2	0	1	0	2	6	13	-	2	2.41	107	-
WEST SUSSEX																															
BOGNOR REGIS	9 9	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GATWICK AIRPORT	21-9	59	5.7	1.1	3.4	-	11.3	25	-6.5	4	-	-	113	159	29	13	20	18	7	1	0	2	0	3	14	15	15	1	1.42	-	-
HURSTPIERPOINT	9 9	30	(6.4)	(0.5)	3.5)	-	11.0	25	-6.5	4	-	-	101	-	26	13	16	15	-	1	-	-	-	-	15	-	-	-	-	-	-
LITTLEHAMPTON	9 9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH HEATH	9 9	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROGATE	9 9	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RUSTINGTON	9 9	8	6.6	1.4	4.0	-	10.6	25	-5.9	13	-	6.1	91	-	17	1	17	15	-	-	-	-	-	-	12	19	-	-	1.63	-	-
WORTHING	9 9	2	6.6	2.0	4.3	-	10.8	25	-4.1	4	4.5	-	87	-	14	13	19	14	3	1	1	0	0	0	9	14	-	0	2.13	-	-
EAST SUSSEX																															
BEXHILL	9 9	4	6.7	2.3	4.5	+0.3	10.5	25	-3.0	4	-	-	79	108	16	13	22	13	3	2	0	0	0	0	9	17	-	4	2.41	124	-
BRIGHTON	9 9	10	6.3	1.9	4.1	-0.4	9.6	25	-3.4	13	-	6.2	85	120	18	13	20	17	3	1	0	0	0	0	10	13	-	2	2.24	111	-
EASTBOURNE	9 9	7	6.8	2.9	4.9	+0.4	11.4	25	-2.5	4.13	4.8	6.6	87	110	16	25	19	15	2	1	0	2	0	0	7	12	-	2	2.37	116	-
EAST HOATHLY	9 9	38	6.3	0.7	3.5	-	11.4	25	-6.0	4	-	-	90	120	19	13	17	15	4	1	1	0	1	3	13	15	15	1	1.95	-	-
HASTINGS	9 9	45	6.3	2.3	4.3	+0.2	10.0	25	-3.0	13	4.3	6.1	79	110	15	25	18	14	7	2	1	1	0	2	8	14	-	5	2.29	112	-
HERSTMONCEUX	21-9	17	6.3	1.6	3.9	-	11.9	25	-4.2	4	-	-	-	-	-	-	-	-	4	1	0	4	1	2	12	-	-	2	-	-	-
PLUMPTON	9 9	76	6.1	1.5	3.8	-	11.2	25	-5.5	13	-	-	(118)	(117)	(20)	13	19	17	-	1	-	-	-	5	12	16	-	-	1.77	-	S

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	TERMINAL H(GMT) MAX. MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
7A ENGLAND NW & I.O.M.																																
CUMBRIA																																
CARLISLE	21-9	26	4.5	-0.2	2.1	-	9.9	4.5	-9.0	13	2.9	4.6	69	95	23	25	17	10	9	4	0	1	0	2	16	23	20	0	1.96	-	-
CARTMEL	9 9	34	4.9	-1.9	1.5	-	9.4	25	-9.3	12	-	-	104	-	27	30	20	16	3	0	0	0	0	0	17	-	-	0	-	-	-
GRIZEDALE	9 9	91	-	-2.0	-	-	-	-	-9.5	12	2.4	-	(176)	89	52	30	(21)	(19)	10	10	0	0	0	0	21	25	-	0	-	-	-
MOOR HOUSE	9 9	556	0.7	-3.9	-1.6	-	5.2	5	-16.4	13	1.5	-	521	259	105	18	24	22	17	29	0	0	0	12	25	29	-	5	1.01	-	-
NEWTON RIGG	9 9	171	3.7	-1.9	0.9	-1.4	9.1	5	-12.8	13	1.8	-	82	83	29	25	19	13	10	14	0	0	0	2	16	28	-	0	1.13	86	S
SELLAFIELD	9 9	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LANCASHIRE																																
HAZELRIGG	9 9	94	4.9	0.2	2.5	-	10.2	25	-7.0	12	-	-	74	-	18	25	18	16	12	3	0	1	0	0	14	22	-	0	1.86	-	-
HELMSHORE	9 9	260	3.5	-0.8	1.3	-	9.5	25	-6.7	13	-	-	107	75	28	25	23	18	8	9	0	0	0	2	18	25	-	0	1.12	-	-
KIRKHAM	9 9	24	5.1	-0.3	2.4	-	10.5	25	-6.5	12	-	-	63	75	17	25	20	13	4	1	0	0	0	0	15	24	-	0	1.56	-	S
MORECAMBE	9 9	7	5.1	0.1	2.6	-1.0	10.5	25	-5.9	12	-	-	75	87	25	30	19	14	4	0	0	0	0	0	14	-	-	0	1.79	120	-
PRESTON	9 9	33	5.3	-0.2	2.5	-	10.7	25	-5.8	3	-	-	46	53	14	25	17	15	4	0	0	1	0	1	16	24	-	1	-	-	-
SLAIDBURN	9 9	192	4.0	-1.4	1.3	-	9.2	25	-10.5	12	-	-	99	65	29	25	22	18	13	4	0	1	0	0	19	26	-	0	1.62	-	-
SQUIRES GATE AIRPORT	21-9	10	5.2	0.6	2.9	-0.7	10.4	25	-7.9	12	-	-	64	87	19	25	21	15	15	3	0	0	0	1	12	16	15	1	1.56	99	-
STONYHURST	9 9	115	4.6	-0.7	1.9	-0.9	9.9	25	-7.5	12	-	-	70	62	25	25	17	14	-	4	-	-	-	1	16	(22)	-	-	1.10	83	-
MERSEYSIDE																																
AIGBURTH	9 9	12	5.5	0.9	3.2	-	9.8	25	-3.0	30	-	-	61	-	13	27	19	12	5	2	1	0	0	1	11	-	-	0	-	-	-
BIDSTON	9 9	60	5.3	1.4	3.3	-	10.7	5	-2.3	13.14	-	-	49	-	12	27	16	13	5	1	0	0	0	3	9	(19)	-	1	1.72	-	-
ST HELENS	9 9	76	4.9	0.0	2.5	-	10.4	25	-6.2	12	2.1	-	70	-	15	25	22	15	-	-	-	-	-	-	14	-	-	-	1.37	-	S
SOUTHPORT	9 9	5	5.1	-0.6	2.3	-1.2	10.6	25	-6.9	12	2.9	6.9	57	80	11	25	21	15	-	-	-	-	-	-	13	22	-	-	1.38	90	-
SPEKE AIRPORT	21-9	22	5.1	1.1	3.1	-1.0	10.6	25	-4.6	3	-	-	61	-	12	27	17	12	12	2	1	0	0	3	11	19	19	0	1.50	109	-
WEST KIRBY PARK	9 9	8	6.1	0.9	3.5	-0.3	10.4	25	-3.9	29	-	-	70	108	15	27	18	12	0	0	0	0	0	-	11	20	-	0	-	-	-
GREATER MANCHESTER																																
BOLTON	9 9	107	4.6	-0.7	1.9	-	10.8	25	-7.0	30	2.9	4.4	45	-	7	25	17	15	0	2	0	0	0	1	17	19	-	0	0.91	87	-
MANCHESTER																																
RINGWAY AIRPORT	21-9	75	4.8	1.0	2.9	-0.4	12.0	25	-5.2	17	-	-	62	87	9	25	19	14	13	4	0	1	0	2	11	16	19	0	1.49	117	-
WEATHER CENTRE (X)	21-9	69	5.5	2.0	3.7	-	12.0	25	-2.8	3	-	-	53	-	11	25	16	12	-	-	-	-	-	-	1	9	-	0	1.18	-	-
CHESHIRE																																
KNUTSFORD	9 9	65	5.0	-0.1	2.5	-	11.1	25	-5.5	3	2.4	3.8	65	89	12	25	18	14	3	6	0	0	2	1	16	25	-	0	-	-	-
MACCLESFIELD	9 9	152	4.1	-0.1	2.0	-0.7	10.5	25	-5.7	3	-	-	83	103	11	1	19	16	8	13	0	0	0	0	15	-	-	0	-	-	-
NESS GARDENS	9 9	55	5.5	0.4	2.9	-	11.4	25	-3.7	30	3.3	-	69	109	16	27	18	12	6	2	0	0	0	1	13	24	-	2	-	-	S
ISLE OF MAN																																
DOUGLAS	9 9	87	5.7	2.0	3.9	-0.7	10.0	5	-2.5	29	-	-	152	130	36	25	19	12	6	4	1	2	0	1	8	16	-	1	1.80	101	-
POINT OF AYRE	21-9	9	6.2	3.0	4.6	-0.6	11.3	5	-2.0	2	-	-	89	112	28	30	17	14	3	0	0	0	0	0	8	-	-	4	1.86	111	-
RONALDSWAY AIRPORT	21-9	16	6.3	2.0	4.1	-1.0	10.4	5	-4.4	29	-	-	123	137	30	25	17	15	10	1	1	2	0	0	10	17	15	2	1.78	102	-
7B WALES N																																
GWYNEDD																																
ABER	9 9	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALA	9 9	163	5.1	-1.2	1.9	-	11.2	25	-7.9	30	2.3)	3.7	103	73	14	25	22	18	9	7	0	4	0	1	18	25	23	0	0.98	-	-
BARDSEY ISLAND	21-9	16	6.8	4.0	5.4	-	10.0	4.25	-0.8	30	-	-	102	112	18	14	23	18	2	1	4	0	0	0	2	6	5	5	-	-	-
BETWS-Y-COED	9 9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BOTWNNOG	9 9	34	6.5	1.5	4.0	-	9.6	25	-3.7	12	4.4	6.5	96	85	16	14	21	20	3	1	1	1	1	0	10	19	-	2	1.30	-	-
CWMYSTRADLLYN	9 9	204	5.2	0.9	3.1	-	9.5	24,25	-4.0	11.12.13	-	-	188	-	34	4	25	22	-	-	-	-	-	-	10	-	-	-	1.08	-	-
LLYN ALAW	9 9	44	6.3	1.5	3.9	-	10.0	25	-4.0	13	-	-	93	-	15	13	23	16	-	-	-	-	-	-	9	-	-	-	1.71	-	-
PEN-Y-FFRIDD	9 9	84	6.1	1.3	3.7	-	10.4	25	-5.5	12	-	-	104	95	18	14	21	19	5	3	0	3	0	0	10	25	-	1	1.16	-	-
TRAWSFYNYDD	9 9	193	5.3	(0.2)	2.7)	-	10.8	25	-6.2	13	-	-	127	72	19	31	22	19	-	8	-	-	-	0	(14)	(21)	(20)	-	-	-	-
VALLEY	21-9	10	6.6	2.5	4.5	-0.7	10.3	5.25	-4.2	13	-	-	85	95	21	14	21	17	6	1	0	4	0	1	8	15	12	4	1.70	92	-
CLWYD																																
ALWEN	9 9	335	3.4	(-2.4)	0.5)	-	8.9	25	-10.4	12.17	-	-	149	114	22	14	21	18	-	-	-	-	-	-	20	25	-	-	-	-	-
BWLCHGWYN	9 9	386	2.8	-1.1	0.9	-	8.5	25	-7.0	12	2.6	-	159	147	41	27	21	16	11	20	1	0	0	7	17	20	-	0	-	-	-
COLWYN BAY	9 9	24	5.9	2.2	4.1	-	11.0	25	-4.1	13	3.7	-	82	107	11	25	24	14	1	0	0	0	0	0	7	-	-	0	1.61	107	S
CORWEN	9 9	144	5.1	-1.1	2.0	-	11.0	25	-8.3	17	-	-	109	98	22	27	24	14	7	9	0	0	0	-	19	28	-	0	-	-	-
HAWARDEN BRIDGE	9 9	5	5.9	1.0	3.5	-0.4	11.8	5	-3.8	30	-	-	59	91	12	27	20	12	6	1	0	0	0	2	9	-	-	1	-	-	-
LOGGERHEADS	9 9	210	4.3	-1.9	1.2	-	10.5	25	-9.4	13.29	3.0	4.4	111	134	29	27	18	12	9	20	1	0	0	3	21	23	-	0	1.06	-	S
PRESTATYN	9 9	4	6.1	1.7	3.9	-0.8	11.7	25	-3.1	12	-	-	77	128	15	13	22	12	2	1	0	0	0	0	9	-	-	0	1.45	104	-
RUTHIN	9 9	76	5.7	0.1	2.9	-	11.9	5	-5.7	13	-	-	84	118	19	27	17	13	4	10	0	0	0	0	12	-	-	0	1.32	-	-
POWYS(NORTH)																																
LAKE VYRNWY	9 9	303	3.4	-1.2	1.1	-1.2	9.5	25	-7.3	30	1.9	-	125	71	18	25	24	20	16	17	0	0	0	5	19	24	-	2	-	-	-
MOEL CYNNEDD	9 9	358	3.4	-1.6	0.9	-	9.3	25	-8.8	30	2.7)	-	182	-	20	4	26	22	12	18	0	0	0	0	19	27	-	0	-	-	-
8A WALES S																																
DYFED																																
ABERPORTH	21-9	134	5.6	2.5	4.1	-0.6	10.9	25	-5.3	12	-	-	79	86	20	31	24	18	6	0	5	0	0	0	7	16	15	1	1.55	87	-
ABERYSTWYTH	9 9	4	-	-	-	-	-	-	-	-	-	-	81	97	20	31	20	16	3	0	0	0	0	0	3	-	-	0	-	-	-
BRAWDY	21-9	111	5.9	2.2	4.1	-	10.0	25	-6.3	12	-	-	203	-	42	13	24	24	7	4	0	5	0	2	8	15	13	1	1.57	-	-
BRYNAMMAN	21-9	183	5.1	1.0	3.1	-	10.5	25	-4.3	30	-	-	183	-	31	15	23	16	10	9	1	1	0	3	10	13	-	0	-	-	-
CARMARTHEN	9 9	15	6.6	-0.7	2.9	-	11.0	25	-7.5	13.30	4.1	5.4	149	119	22	24	25	(20)	3	1	0	0	0	0	17	24	-	1	1.20	-	-
CWMYSTWYTH	9 9	301	4.0	-0.5	1.7	-	9.5	25	-6.8	30	-	-	159	89	15	8	27	22	6	15	0	0	0	1	15	22	-	0	0.86	-	-
DALE FORT	9 9	33	7.2	(3.0)	5.1)	-0.8)	10.5	25	-5.0	12	4.9	-	119	-	20	13	24	22	3	0	1	0	0	0	4	11	-	1	1.86	-	-
ESGAIRWEN-UCHAF	9 9	332	3.6	-0.8	1.4	-	9.1	25	-6.7	13	-	-	154	-	22	25	22	19	-	13	-	-	-	5	18	20	-	-	1.15	-	-
GOGERDDAN	9 9	31	6.2	0.6	3.4	-	11.5	25	-6.5	12	-	-	86	101	17	31	22	16	5	3	1	0	0	0	13	20	-	0	1.32	-	S
LLETY-EVAN-HEN	9 9	290	4.2	0.7	2.5	-	9.4	25	-4.1	13	-	-	110	101	11	8	22	18	6	2	3	0	0	3	12	20	-	0	1.34	91	-
MILFORD HAVEN (CONSERVANCY BOARD)	21-9	37	6.9	2.7	4.8	-	10.3	25	-5.0	12	-	-	150	140	25	13	25	23	4	1	2	0	0	1	6	14	11	7	-	-	-
ORIELTON	9 9	61	6.9	2.0	4.5	-	10.5	25	-5.4	12	4.4	-	138	116	29	13	24	22	3	2	4	2	0	2	11	16	-	2	-	-	-
SKOKHOLM ISLAND	9 9	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENBY	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00	-	-
TRAWSCOED	9 9	61	5.6	-0.1	2.7	-	11.1	25	-10.5	12	4.6	-	118	102	15	31	22	19	3	4	0	1	0	1	14	22	-	0	0.99	71	-
TREGARON	9 9	178	5.2	-0.9	2.1	-	10.5	25	-10.5	12	-	-	123	-	14	14	24	19	6	6	0	3	0	0	17	20	-	0	1.16	-	S
WHITECHURCH	9 9	130	5.8	0.8	3.3	-	10.7	25	-8.8	12	-	-	199	-	31	31	24	22	5	5	0	7	4	1	12	-	-	2	-	-	-
POWYS(SOUTH)																																
CENARTH	21-9	308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LLANGENNY	9 9	122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — JANUARY 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL H(GMT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
8A WALES S CONTINUED																																
WEST GLAMORGAN																																
MUMBLES HEAD	21-9	36	6.0	2.5	4.3	-	10.0	25	-1.5	3,13	-	-	-	-	-	-	2	2	1	0	0	1	7	8	11	4	-	-	-
NEATH	9 9	62	6.2	1.2	3.7	-	10.5	24,25	-4.3	30	-	-	122	97	17	24	21	14	5	2	0	0	1	12	21	-	0	-	-	-
PENMAEN	9 9	85	6.1	1.7	3.9	-	10.2	25	-3.4	3	4.2	5.3	106	89	13	4	21	16	3	4	0	0	0	2	10	18	17	3	1.63	-	-
PORT TALBOT	9 9	7	6.7	1.8	4.3	-	11.8	25	-3.5	3,30	-	-	108	98	20	13	22	15	2	0	0	0	0	0	9	-	-	0	1.36	-	-
SWANSEA	9 9	8	6.7	1.7	4.2	-0.9	10.7	25	-3.0	30	3.2	5.8	(120)	(103)	19	14	21	18	1	1	0	0	0	2	10	17	-	0	-	-	S
WHITEFORD BURROWS	9 9	6	6.7	1.5	4.1	-	11.2	25	-5.5	3	-	-	106	-	15	24	24	16	4	2	0	0	0	4	11	20	-	1	-	-	-
MID GLAMORGAN																																
ABERDARE	9 9	174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CILFYNYDD	21-9	194	4.5	0.2	2.3	-	11.2	25	-5.6	17	-	-	153	-	28	13	23	15	9	7	1	0	0	2	15	20	17	0	-	-	-
LLWYNON	9 9	242	4.6	-0.4	2.1	-	10.1	25	-7.2	30	-	-	147	82	26	25	21	18	8	0	0	0	0	7	20	-	-	0	1.28	-	S
PORTHCAWL	9 9	6	(6.6)	1.8	4.2)	-	11.5	25	-2.5	30	-	-	(103)	(103)	(20)	13	(20)	(17)	1	-	0	0	0	1	8	-	-	2	-	-	S
SOUTH GLAMORGAN																																
BRIDGEND	9 9	43	(6.4)	0.0	3.2)	-	11.9	25	-5.7	3	3.7	5.9	122	-	18	27	21	17	-	-	-	-	-	-	16	24	-	-	-	-	-
RHOOSE AIRPORT	21-9	67	5.8	1.5	3.7	-	12.2	25	-4.2	30	-	-	71	-	12	27	21	14	11	1	0	3	0	2	11	18	14	0	1.64	-	-
GWENT																																
CRUMBLAND	9 9	245	4.6	0.1	2.3	-	10.2	25	-3.2	3	2.8	4.0	111	107	23	27	17	13	6	12	0	0	0	7	16	21	-	0	1.61	-	-
NEWPORT	9 9	23	6.1	(0.6)	3.3)	-	10.8	25	-4.8	30	-	-	89	81	19	13	19	14	5	1	1	0	1	5	(15)	22	-	0	1.63	-	-
USK	9 9	21	6.2	-0.4	2.9	-0.8	10.8	25	-6.0	3	3.3	-	122	109	23	27	17	13	2	4	0	0	0	-	17	23	-	0	1.32)	(90)	-
8B ENGLAND SW																																
AVON																																
BATH	9 9	118	(5.8)	(1.1)	3.5)	-	11.8	25	-4.5	30	4.0)	-	79	113	29	13	17	12	1	3	0	0	0	4	10	-	-	0	-	-	-
FILTON	21-9	59	6.1	1.2	3.7	-0.2	12.9	25	-5.2	30	-	-	84	120	31	13	19	12	7	2	0	2	0	1	13	18	16	0	1.57	108	-
LONG ASHTON	9 9	51	6.1	0.7	3.4	-0.7	12.7	25	-4.6	30	3.3	-	75	96	25	13	20	14	3	1	0	3	1	2	13	22	-	1	1.52	99	-
SOMERSET																																
CANNINGTON	9 9	23	6.9	1.1	4.0	-0.6	12.5	25	-4.5	13,17,31	4.1	-	67	96	21	13	19	12	1	1	0	0	0	1	10	25	-	0	1.80)	(106)	-
CREWKERNE	9 9	101	6.3	1.6	3.9	-	11.0	25	-4.5	12	-	-	111	-	25	13	18	17	1	0	0	0	0	-	11	-	-	2	-	-	-
DOWNSIDE ABBEY	9 9	183	5.2	0.4	2.8	-	10.7	25	-5.0	3	-	-	107	106	28	13	20	14	3	0	0	1	0	6	14	-	-	0	-	-	-
EXTON	21-9	335	4.4	0.3	2.3	-	9.9	25	-6.4	12	-	-	162	-	29	13	21	20	14	9	3	1	0	6	15	21	19	0	-	-	-
HAWKRIDGE	9 9	314	4.7	0.2	2.5	-	10.1	24,25	-7.5	12	-	-	159	99	31	27	23	20	8	8	4	1	0	6	14	-	-	0	1.18	-	-
NETTLECOMBE	9 9	96	6.5	0.9	3.7	-	12.3	25	-6.2	12	3.9	-	126	-	(29)	13	(20)	(16)	3	4	0	0	0	2	11	18	-	0	-	-	-
NETTLECOMBE(BIRDS HILL)	9 9	290	5.1	0.8	2.9	-	10.8	25	-5.5	13	-	-	(133)	-	24	13	(21)	(16)	4	8	0	0	0	2	14	19	-	0	-	-	-
RODNEY STOKE	9 9	40	6.2	1.0	3.6	-	12.7	25	-4.2	3	4.1	5.8	83	103	26	13	20	13	1	0	0	0	0	1	12	18	-	1	-	-	-
WINCANTON	9 9	114	5.9	-0.2	2.9	-	11.4	25	-6.5	4	-	-	92	105	31	13	21	18	8	2	0	0	0	10	18	21	-	1	1.42	-	-
YEOVILTON	21-9	18	6.5	1.1	3.8	-	11.9	25	-6.1	30	-	-	83	118	28	13	21	15	2	0	0	0	0	4	14	-	16	1	-	-	-
DORSET																																
BOURNEMOUTH																																
HURN AIRPORT	21-9	10	6.5	1.2	3.9	-	11.6	25	-6.6	12	-	-	97	114	22	13	19	17	3	2	1	0	1	3	15	17	15	0	1.65	-	-
MEYRICK PARK	9 9	40	(6.7)	(1.5)	4.1)	-0.2)	11.2	25	-4.2	30	4.0)	5.4)	91	106	18	13	21	16	3	2	0	1	0	2	12	14	-	2	2.03	103	-
CHRISTCHURCH	9 9	3	7.1	1.6	4.3	-	11.0	25	-4.6	12	-	-	91	110	16	13	18	17	1	1	1	0	1	1	12	18	-	0	-	-	-
POOLE	9 9	5	6.9	2.0	4.5	+0.2	11.6	25	-4.1	12	7.4	5.8	86	104	20	13	17	16	3	4	0	0	0	0	10	15	-	1	1.66	84	-
PORTLAND BILL (COASTGUARD)	21-9	53	6.9	3.5	5.2	-0.8	10.5	25	-1.0	3	-	-	84	-	15	13	20	16	3	0	1	0	2	0	5	13	10	4	2.28	-	-
SWANAGE	9 9	11	7.2	2.7	4.9	-0.2	11.0	25	-3.3	30	-	6.9	90	105	19	25	17	16	1	0	0	1	1	1	8	13	-	4	1.75	92	-
WEYMOUTH	9 9	23	7.6	2.3	4.9	-	11.2	25	-2.8	30	-	-	80	-	15	13	19	17	0	0	0	0	0	0	10	-	-	0	2.13	104	-
WINFRITH	9 9	26	7.2	1.4	4.3	-	11.5	25	-5.5	30	-	-	102	110	23	13	19	17	0	0	0	0	0	2	13	18	-	0	-	-	-
DEVON																																
CHELDON BARTON	9 9	164	6.2	0.7	3.5	-	11.6	24,25	-5.4	12,13	4.3	-	123	-	22	13	23	20	9	3	4	0	1	2	11	17	-	0	1.48	-	-
EXETER AIRPORT	21-9	32	6.8	1.7	4.3	-0.6	12.5	25	-4.9	30	-	-	117	141	29	13	21	17	8	1	0	4	0	3	15	16	14	1	1.73	99	-
EXMOUTH	9 9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HARTLAND POINT	21-9	91	6.8	4.0	5.4	-0.4	11.1	24	-1.5	13	-	-	86	106	14	27	21	18	4	2	4	0	3	0	3	-	-	4	-	-	-
ILFRACOMBE	9 9	8	7.4	3.7	5.5	-	12.6	24,25	-1.5	12	4.8	7.5	96	-	13	13	21	18	1	0	0	0	0	0	4	-	-	0	1.35	-	-
PLYMOUTH																																
MOUNT BATTEN	21-9	27	7.7	3.0	5.3	-0.6	11.2	25	-3.7	12	-	-	112	103	25	17	18	16	5	0	0	6	3	0	9	15	13	3	2.40	133	S
THE HOE	9 9	36	7.6	2.2	4.9	-0.9	11.1	25	-3.7	12	4.5	6.2	104	98	24	17	17	14	3	1	0	0	0	0	10	17	-	1	2.54	136	-
PRAWLE POINT	21-9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	1	0	0	2	-	-	-	10	3.06	-	-
PRINCETOWN	9 9	414	4.2	0.0	2.1	-	9.6	25	-6.0	12	-	-	231	-	25	24	22	19	7	11	1	1	0	7	16	14	-	1	-	-	-
SLAPTON	9 9	32	-	2.7	-	-	-	-	-2.0	13	-	-	113	93	18	17	19	16	0	0	0	2	0	0	9	15	-	2	-	-	-
STARCROSS	9 9	9	7.6	1.5	4.5	-0.7	12.5	25	-4.1	12	4.3	-	111	126	21	13	23	15	2	0	2	1	0	2	13	21	-	2	2.11	110	S
TAVISTOCK	9 9	139	-	-	-	-	-	-	-	-	-	-	(148)	(109)	18	24	21	20	-	-	-	-	-	-	-	-	-	-	-	-	-
TEIGNMOUTH	9 9	6	7.9	2.0	4.9	-1.0	12.6	25	-4.0	12,13	-	-	110	118	17	21	22	16	0	0	0	0	1	0	6	14	-	2	2.64	137	-
TORBAY(TORQUAY)	9 9	8	8.1	2.3	5.2	-0.5	12.8	25	-3.5	12	-	6.1	108	105	21	13	17	15	0	0	2	0	0	0	8	13	-	4	2.97	154	-
CORNWALL																																
BASTREET	9 9	232	6.0	-0.1	2.9	-	10.4	25	-8.6	12,13	-	-	231	126	29	13	24	22	7	3	3	0	0	2	14	18	-	0	2.03	-	-
BUDE	9 9	15	7.9	1.9	4.9	-0.8	13.0	25	-4.3	3,12	4.1	-	116	133	16	13	(23)	(18)	4	2	0	2	0	-	10	-	-	3	1.95	103	-
CULDROSE	9 9	81	7.6	2.8	5.2	-	11.6	25	-4.2	12	-	-	142	132	22	17	24	20	6	2	2	2	1	0	9	16	15	2	1.96	-	-
ELLBRIDGE	9 9	69	7.6	1.1	4.3	-	11.3	25	-5.5	12	-	-	130	103	20	17	22	16	1	0	0	0	0	1	14	17	-	0	2.56	134	-
FALMOUTH	9 9	51	8.0	2.6	5.3	-1.2	12.0	25	-4.0	13	-	-	121	96	14	12,13	22	22	2	0	4	0	0	0	7	14	-	1	2.17	114	-
FOWEY	9 9	75	7.6	2.4	5.0	-1.2	11.1	28	-3.2	13	-	-	136	-	16	13	22	18	3	2	0	5	0	1	8	-	-	1	-	-	-
GULVAL	9 9	15	8.5	3.2	5.9	-	12.0	25	-3.0	13	-	-	140	-	20	17	27	21	0	0	2	4	0	0	4	11	-	1	1.88	-	-
GWENNAP HEAD	21-9	66	(8.0)	(4.8)	6.4)	-	(12.0)	25	-1.0	12	-	-	90	-	11	12	23	18	4	0	3	5	0	0	2	7	5	6	-	-	-
LIZARD	9 9	73	8.2	4.3	6.3	-0.5	11.5	25	-0.7	12	-	-	105	105	18	17	22	19	3	0	3	0	0	0	1	-	-	7	2.14	109	-
NEWQUAY	9 9	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENZANCE	9 9	19	8.6	3.1	5.9	-1.0	12.3	25	-3.2	30	-	-	158	124	25	17	26	20	2	1	0	0	1	0	6	-	-	6	2.34	120	-
ROSEWARNE	9 9	76	7.9	2.7	5.3	-	11.6	25	-2.4	12	5.1	6.5	163	136	23	17	24	21	5	1	4	4	1	0	7	12	-	5	1.99	-	S
ST AUSTELL(BETHEL)	9 9	55	8.0	2.5	5.3	-	12.1	25	-3.3	12	-	-	156	-	16	13	24	21	3	2	1	3	0	0	6	12	-	1	2.51	-	-
ST JOHNS	9 9	128	6.8	0.6	3.7	-	11.5	25	-8.0	12	-	-	170	129	19	13	25	21	-	-	-	-	-	-	12	-	-	-	1.82	-	-
ST MAWGAN	21-9	103	7.5	2.9	5.2	-	12.3	25	-3.0	30	-	-	133	122	13	12	22	20	8	2	0	8	1	1	8	12	8	3	2.40	-	-
SCILLY(ST MARYS)	21-9	48	8.6	5.6	7.1	-0.6	12.0	25	0.4	12	-	-	108	117	23	17	26	20	3	0	1	4	3	0	0	3	3	6	2.14	111	-
CHANNEL ISLANDS																																
ALDERNEY	9 9	88	7.4	3.7	5.5	-	11.7	25	-3.5	12	5.9	-	94	-	13	13	20	16	7	2	4	0	1	2	1	6	-	6	2.12	-	-
GUERNSEY																																
AIRPORT	21-9	104	7.2	4.3	5.7	-0.4	11.6	25	-0.1	12	5.3	6.8	101	108	21	24	20	17	6	2	4	6	0	1	1	9	8	2	2.40	130	-
L'ANCRESSE	9 9	5	8.2	4.1	6.1	-	12.5	25	-1.3	12	-	-	115	129	19	24	21	17	3	-	5	0	0	-	3	-	-	0	2.64	-	-
JERSEY																																
AIRPORT	9 9	83	7.3	3.3	5.3	-	11.8	25	-2.3	31	5.7	7.4	113	120	24	24	24	18	8	0	7	0	0	1	3	8	9	3	2.47	-	-
GOREY CASTLE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.55	-	-
ST HELIER	9 9	47	7.6	3.9	5.7	-0.6	11.4	25	-1.3	31	-	-	120	128	27	24	23	19	3	0	8	0	0	0	1	14	-	1	2.70	124	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JANUARY 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (IGMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
NORTHERN IRELAND																															
LONDONDERRY																															
AGHANLOO	9 9	18	6.4	0.8	3.6	-	11.2	4	-6.6	13	-	-	76	-	12	3	18	16	-	-	-	-	-	-	10	20	-	-	-	-	-
BANAGHER(CAUGH HILL) ...	9 9	216	4.8	-1.1	1.9	-	10.0	4,5	-8.5	12	-	-	154	-	33	20	23	19	11	11	0	1	0	-	18	24	-	8	1.43	-	-
CARMONEY	9 9	73	5.6	0.2	2.9	-	10.4	4	-6.5	13.30	-	-	77	-	11	19	23	18	4	6	0	0	0	0	14	18	-	-	1.79	-	-
COLERAINE UNIVERSITY ...	9 9	23	5.9	-0.1	2.9	-	11.4	4	-8.0	13	3.4	5.6	75	-	14	25	24	13	9	3	0	5	0	2	11	23	-	0	1.11	73	-
COOLKEERAGH	9 9	3	6.1	0.5	3.3	-	11.1	4	-4.5	13	-	-	66	-	10	19	16	15	-	-	-	-	-	-	13	-	-	-	-	-	-
DERRYNOYD FOREST ...	9 9	88	5.1	-0.9	2.1	-	9.9	4	-7.9	12	-	-	135	114	26	20	22	17	5	3	0	0	0	1	16	24	-	-	-	-	-
GARVAGH FOREST	9 9	88	5.3	-0.5	2.4	-	10.7	4	-8.6	13	2.2	4.3	148	125	25	19	25	19	7	8	6	0	0	1	20	23	-	-	-	-	-
LOUGHERMORE FOREST ...	9 9	174	5.2	-1.2	2.0	-	9.6	4	-9.3	12	-	-	101	89	12	25	21	18	12	13	0	1	0	0	17	23	-	2	-	-	-
MONEYDIG	9 9	34	5.8	-0.7	2.5	-1.0	11.2	5	-5.5	13.17	4.4	-	102	100	22	25	21	14	8	5	0	2	0	1	17	23	21	0	-	-	-
SOMERSET FOREST ...	9 9	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																															
ALDERGROVE AIRPORT ...	21-9	68	5.0	0.0	2.5	-1.0	10.2	4	-7.8	29	3.1	6.1	98	112	23	25	23	10	11	6	0	0	0	1	17	20	19	0	1.71	120	-
ALTNAHINCH	9 9	226	4.1	-0.6	1.7	-	9.5	4	-7.0	1	-	-	159	109	50	25	24	17	11	14	0	0	0	0	14	21	-	0	1.61	-	-
BALLYLUMFORD	9 9	24	6.3	0.6	3.5	-	11.0	4	-5.7	12	-	-	115	-	32	25	18	16	-	-	-	-	-	-	10	20	-	-	-	-	-
BALLYMONEY	9 9	55	5.6	-0.4	2.6	-	10.2	5	-8.2	13	-	-	85	90	23	25	16	12	-	-	-	-	-	-	14	-	-	-	-	-	-
BALLYPATRICK FOREST ...	9 9	152	5.3	-0.2	2.5	-	10.0	5	-7.0	29	-	-	141	118	39	25	23	16	2	-	0	0	0	0	13	22	-	0	1.62	-	-
CARNLOUGH	9 9	12	6.4	1.2	3.8	-	10.8	4	-3.7	29	-	-	145	-	54	25	21	15	4	-	0	0	1	1	11	17	-	-	-	-	-
DIVIS MOUNTAIN	9 9	363	3.2	-	-	-	9.5	4,5	-	-	-	-	106	91	25	25	17	15	-	-	-	-	-	-	-	-	-	-	-	-	-
GREENMOUNT	9 9	32	5.5	-0.6	2.5	-	10.3	4	-7.4	13.29	2.8	-	101	121	27	25	15	11	6	8	0	0	0	-	17	20	-	-	-	-	-
HYDE PARK (MALLUSK) ...	9 9	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KILROOT POWER STATION	9 9	12	6.3	0.5	3.4	-	10.5	5	-4.6	12	-	-	126	-	41	25	20	13	-	1	-	-	-	-	14	27	-	-	-	-	-
LISNAFILLAN	9 9	38	5.4	-2.1	1.7	-	10.6	5	-9.5	13	-	-	109	114	24	25	20	13	4	0	0	0	0	2	22	25	-	-	1.65	-	-
LOWTOWN	9 9	271	3.9	-0.6	1.7	-	9.7	5	-5.4	2	2.7	-	146	106	32	16	16	13	6	10	0	1	0	1	15	27	-	1	1.51	-	-
PARKMORE FOREST ...	9 9	235	4.2	-1.0	1.6	-	9.0	4	-5.9	29	2.6	-	176	114	47	25	21	16	9	11	0	0	0	0	20	28	-	0	-	-	-
WOODBURN NORTH	9 9	217	4.0	-0.5	1.7	-	10.5	5	-6.0	13	-	-	129	112	26	25	24	15	9	12	0	0	0	3	16	23	-	-	-	-	-
BELFAST																															
ANDERSONSTOWN	9 9	64	5.3	-1.1	2.1	-	10.2	4	-7.6	29	-	-	110	-	33	25	23	13	5	3	0	0	0	0	20	24	-	-	-	-	-
MALONE	9 9	35	6.0	0.2	3.1	-	10.8	4	-6.0	13	3.6	-	92	-	25	25	18	12	-	-	-	-	-	-	16	24	-	-	1.71	-	-
MILLTOWN	9 9	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEWTOWNABBEY	9 9	32	6.1	1.2	3.7	-	11.2	4	-5.0	12	3.8	-	86	87	17	20	14	11	7	2	0	0	0	1	12	23	21	2	1.73	-	S
ROSEBANK	9 9	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROSETTA	9 9	24	5.8	0.4	3.1	-	10.9	4	-6.8	12	-	-	91	101	23	20	19	11	3	3	0	0	0	3	14	-	-	-	-	-	-
STORMONT CASTLE ...	9 9	56	5.6	0.6	3.1	-	10.5	4	-5.7	12	3.0	5.1	93	103	19	25	20	13	4	3	0	1	0	0	13	25	-	-	1.47	-	-
DOWN																															
BANGOR SEACOURT ...	9 9	15	6.2	1.7	3.9	-	11.2	4	-2.8	3	3.8	6.2	86	-	15	25	18	11	6	1	0	4	0	0	8	18	15	-	1.47	-	-
BALLYWALTER PARK ...	- -	11	-	-	-	-	-	-	-	-	-	-	86	102	21	25	17	14	-	-	-	-	-	-	-	-	-	-	1.67	-	-
BALLYWATTICOCK ...	9 9	6	5.9	0.8	3.3	-	10.0	4	-3.6	12	-	-	90	115	24	25	17	12	4	1	0	2	0	0	12	23	-	1	1.77	-	-
CREIGHTONS GREEN ...	9 9	119	5.4	-	-	-	9.7	4	-	-	-	-	93	96	19	25	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-
DOWNPATRICK	9 9	26	6.3	0.8	3.5	-	11.5	5	-4.4	13	-	-	113	-	19	25	20	16	-	-	-	-	-	5	14	20	-	-	-	-	-
HELENS BAY	9 9	43	5.7	1.3	3.5	-	10.7	4	-3.2	12.13	-	-	101	122	19	20	18	12	6	2	0	4	0	0	11	19	-	4	1.82	-	-
HILLSBOROUGH	9 9	116	5.1	-0.1	2.5	-1.2	10.2	5	-5.9	12	3.2	5.5	81	96	17	20	19	11	6	9	0	0	0	1	17	25	-	2	1.81	124	-
MURLOUGH	9 9	9	6.1	0.2	3.1	-	11.4	4	-5.5	13	3.1	4.7	138	-	33	19	18	14	3	3	0	0	0	0	15	23	-	3	2.06	-	-
ARMAGH																															
ARMAGH	9 9	62	4.9	-0.2	2.3	-1.6	10.3	4	-5.1	29	3.2	5.3	89	115	21	20	17	12	9	6	0	0	0	2	17	29	-	3	1.62	107	-
LOUGHGALL	9 9	25	5.5	-0.5	2.5	-	10.7	4	-5.2	2	-	-	70	96	17	25	17	9	3	2	0	0	0	3	17	27	-	0	1.71	-	-
LURGAN	9 9	55	5.5	-0.4	2.5	-	10.7	4	-7.6	29	3.2	5.2	87	111	25	25	16	11	1	-	0	0	0	-	16	23	-	-	1.75	-	-
TANDRAGEE	9 9	43	6.1	-0.3	2.9	-	11.2	4	-7.4	29	-	-	87	-	18	20	14	9	-	-	-	-	-	-	16	-	-	-	-	-	-
TYRONE																															
ALTAVEEDAN	9 9	175	4.8	-0.8	2.0	-	9.5	4,5	-6.0	12.13.30	-	-	123	-	21	20	19	17	-	-	-	-	-	-	18	24	-	-	-	-	-
CARRIGANS	21-9	113	5.1	0.1	2.6	-	10.2	4	-7.2	29.31	-	-	100	96	17	20	25	14	10	9	2	1	0	2	16	21	18	0	1.67	-	-
COOKSTOWN	9 9	77	5.3	-0.7	2.3	-	10.4	4	-5.7	29	2.7	-	101	107	20	18	21	14	4	4	0	0	0	4	18	24	-	-	1.99	-	-
LOUGH BRADAN	9 9	169	4.5	-1.9	1.3	-	9.4	4	-8.4	29	-	-	109	84	19	20	23	18	-	7	-	-	-	0	23	27	-	-	1.49	-	-
POMEROY FOREST	9 9	174	4.5	-0.9	1.8	-	9.5	4	-7.0	13	3.3	-	101	92	21	18	20	16	6	11	0	0	0	3	17	25	-	-	-	-	-
STRABANE CONVENT ...	9 9	44	5.8	0.3	3.1	-	10.0	4	-6.5	13	-	-	86	96	14	20	15	16	11	7	0	2	0	0	15	16	-	0	1.70	-	-
TIEVENNY	9 9	41	5.6	-0.5	2.5	-	10.5	4	-7.8	29	-	-	97	-	21	19	20	15	-	-	-	-	-	-	15	21	-	-	-	-	-
FERMANAGH																															
CASTLE ARCHDALE FOREST	9 9	66	5.6	-0.1	2.7	-0.9	10.5	4.26	-7.9	29	3.9	5.2	85	83	15	19	20	15	6	3	0	0	0	2	16	24	-	0	2.00	125	-
CORGARY	9 9	156	5.1	0.3	2.7	-	9.4	4	-5.2	13	-	-	91	-	15	3	17	15	9	-	0	1	0	0	13	17	14	-	-	-	-
KNOCKARAVAN	9 9	53	6.0	0.3	3.1	-	10.8	4.5	-6.8	13	-	-	92	-	22	19	23	15	6	4	0	1	0	0	14	20	15	-	-	-	-
LISNASKEA	9 9	49	5.7	0.1	2.9	-	10.7	4	-8.1	29	-	-	89	99	27	19	15	11	3	-	0	0	0	1	16	23	-	-	1.89	-	-
LOUGH NAVAR FOREST ...	9 9	148	5.2	-0.4	2.4	-	9.7	4	-7.5	29	-	-	105	78	18	19	21	17	7	14	0	0	0	2	17	24	-	-	-	-	-
PUBBLE FOREST	9 9	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JANUARY 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT							VISIBILITY								WIND SPEED AND DIRECTION													
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS																BEAUFORT FORCE													
																									8 OR MORE	6-7	4-5	1-3	CALM								
																									SPEED (KT)												
									MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																														
0 SCOTLAND N SHETLAND																																					
FAIR ISLE	61	9	1006.0	-	3.9	1.2	6.6	80	6.0	0	4	6	9	12	0	0	0	0	0	0	0	1	7	14	9	3	10	13	4	1	2	4	3	4	5	4	4	4
		15	1005.7	-	3.8	0.9	6.9	85	6.8	0	0	7	13	11	0	0	0	0	2	1	0	4	9	9	6	4	9	12	5	1	4	4	1	3	6	4	3	5
		21	1006.4	-	4.0	1.0	6.9	83	5.6	1	4	7	8	11	0	0	0	0	0	0	0	1	7	11	12	5	6	13	6	1	3	2	4	2	6	4	3	6
LERWICK	83	3	1006.2	-	2.7	-	6.4	-	5.9	0	4	7	9	11	0	0	0	0	0	0	1	6	6	17	1	0	7	11	13	0	5	1	2	3	7	3	6	4
		9	1006.4	- 1.7	2.6	-	6.2	-	5.9	0	5	4	13	9	0	0	0	0	0	0	0	4	10	11	6	0	6	14	10	1	7	2	2	2	7	4	4	2
		15	1006.1	-	2.6	-	6.3	-	6.3	0	1	7	11	11	1	0	0	0	1	0	1	7	6	11	5	0	6	12	12	1	5	2	1	3	5	6	3	5
		21	1006.7	-	2.7	-	6.3	-	5.7	0	2	12	7	10	0	0	0	0	1	0	2	5	6	14	3	0	5	16	8	2	1	4	2	3	5	3	7	4
ORKNEY																																					
KIRKWALL	26	3	1006.3	-	2.9	0.8	6.6	86	5.1	1	7	6	8	9	0	0	0	0	0	1	0	1	8	12	9	0	6	16	9	0	2	6	1	4	7	3	5	3
		9	1006.5	- 2.1	2.8	0.8	6.5	85	5.5	0	4	9	14	4	0	0	0	0	0	0	0	6	5	14	6	0	7	12	12	0	3	4	2	3	7	4	5	3
		15	1006.2	-	3.5	0.7	6.9	87	5.8	0	1	12	10	8	0	0	0	0	0	0	1	5	13	5	7	0	5	14	11	1	4	2	3	2	8	2	6	3
		21	1006.9	-	3.1	0.8	6.7	86	5.8	0	5	5	9	12	0	0	0	0	0	0	0	2	9	10	10	0	8	12	10	1	4	3	2	3	8	2	6	2
WESTERN ISLES																																					
BENBECULA	7	3	1006.5	-	3.5	0.8	7.0	86	5.1	1	6	8	7	9	0	0	0	0	0	0	0	2	7	11	11	0	4	13	14	0	7	2	1	7	7	2	4	1
		9	1006.5	- 1.9	3.5	0.6	7.1	89	5.8	0	5	4	18	4	0	0	0	0	0	0	0	2	3	18	8	0	4	15	10	2	6	0	4	4	9	1	2	3
		15	1006.5	-	4.5	0.8	7.5	87	5.7	0	5	4	17	5	0	0	0	0	0	1	0	5	3	14	8	0	5	14	11	1	7	1	1	7	6	2	4	2
		21	1007.0	-	3.6	0.8	7.0	87	5.0	2	3	10	8	8	0	0	0	0	0	0	1	1	5	17	7	0	4	16	10	1	5	3	3	5	6	3	5	0
STORNOWAY	5	3	1006.3	-	3.4	0.7	7.0	88	4.9	1	6	9	9	6	0	0	0	0	0	0	0	4	5	20	2	0	3	16	12	0	4	1	3	3	6	4	5	5
		9	1006.3	- 2.0	3.5	0.8	6.9	86	5.5	0	4	7	15	5	0	0	0	0	0	0	0	1	8	15	7	0	5	14	12	0	3	3	4	2	6	5	5	3
		15	1006.4	-	4.5	0.9	7.3	85	6.1	0	2	8	13	8	0	0	0	0	0	0	0	6	9	13	3	0	3	19	9	0	5	1	2	3	8	4	5	3
		21	1006.8	-	3.4	0.6	7.1	89	5.0	0	10	5	5	11	0	0	0	0	0	0	0	3	10	15	3	0	7	11	13	0	3	3	2	6	3	8	3	3
HIGHLAND																																					
CAPE WRATH	113	3	1005.5	-	4.0	0.8	7.1	86	6.0	0	4	7	6	14	0	0	0	0	1	0	0	1	15	13	1	0	9	7	13	2	3	6	1	4	5	3	5	2
		9	1005.7	-	4.3	0.9	7.1	84	6.4	0	1	9	8	13	0	0	0	0	0	0	0	0	16	15	0	1	3	11	16	0	6	3	4	2	5	5	5	1
		15	1005.7	-	4.4	1.0	7.0	84	6.4	0	0	9	13	8	1	0	0	1	1	0	0	0	13	15	1	1	4	9	17	0	4	4	6	3	5	2	4	3
		21	1005.8	-	4.4	1.0	7.1	84	6.2	0	2	7	11	11	0	0	0	0	0	0	0	2	16	12	1	0	5	12	12	2	3	5	2	5	4	1	6	3
DALCROSS	12	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WICK	37	3	1006.4	-	2.3	0.8	6.3	86	5.0	0	8	6	12	5	0	0	0	0	0	0	0	5	4	15	7	0	4	14	13	0	4	2	0	1	8	4	10	2
		9	1006.6	- 2.3	2.6	0.8	6.4	85	5.5	0	5	8	13	5	0	0	0	0	0	0	0	6	3	15	7	0	2	14	15	0	4	3	1	2	7	7	5	2
		15	1006.3	-	3.2	0.8	6.8	86	5.8	0	5	5	13	8	0	0	0	0	0	0	0	4	8	14	5	0	2	16	13	0	4	2	2	1	9	2	8	3
		21	1006.9	-	2.7	0.8	6.4	85	5.3	0	7	7	9	8	0	0	0	0	0	0	1	1	8	15	6	0	4	17	9	1	5	2	2	0	10	3	7	1
1 SCOTLAND E GRAMPIAN																																					
DYCE	59	3	1007.3	-	1.7	0.7	6.1	86	5.8	4	2	3	10	11	1	0	0	0	1	0	3	9	2	7	9	0	0	9	21	1	3	2	2	4	5	2	5	7
		9	1007.3	- 3.1	1.5	0.8	6.0	85	6.0	0	3	6	12	10	0	0	0	0	0	0	4	6	7	3	11	0	0	13	15	3	6	1	0	4	4	3	7	3
		15	1007.1	-	3.2	1.0	6.4	82	6.3	0	4	5	11	11	0	0	0	0	0	0	4	7	6	7	7	0	0	11	18	2	4	1	0	3	5	4	5	7
		21	1007.8	-	2.0	0.8	6.2	86	5.1	3	5	4	13	6	0	0	0	0	0	0	4	9	3	8	7	0	0	10	19	2	2	0	2	3	7	3	6	6
FRASERBURGH	22	3	1007.1	-	3.8	1.1	6.6	82	4.9	1	6	9	6	9	0	0	0	0	0	0	0	0	16	15	0	0	5	15	11	0	6	3	1	5	5	4	7	0
		9	1007.2	- 2.6	3.5	0.9	6.7	85	5.8	0	3	12	7	9	0	0	0	0	0	0	0	0	15	16	0	0	4	18	9	0	5	2	1	1	10	5	4	3
		15	1007.3	-	4.3	1.0	7.1	84	6.2	0	1	10	9	11	0	0	0	0	0	0	0	0	11	19	1	0	7	11	13	0	4	3	2	4	6	3	4	5
		21	1007.6	-	3.8	0.9	6.9	85	4.9	1	7	8	9	6	0	0	0	0	0	0	0	1	12	18	0	0	6	13	12	0	4	5	2	3	7	4	5	1
KINLOSS	6	3	1006.9	-	2.7	1.0	6.3	83	5.6	1	7	1	11	11	0	0	0	0	0	0	1	2	7	12	9	0	2	10	19	0	3	1	2	2	8	13	0	2
		9	1006.9	- 2.8	2.4	1.0	6.1	83	5.9	0	3	4	21	3	0	0	0	1	0	0	0	2	5	15	8	0	0	13	16	2	3	2	2	1	11	7	2	1
		15	1006.8	-	3.8	1.2	6.5	80	5.8	0	5	5	15	6	0	0	0	0	1	2	0	9	9	10	0	0	1	11	18	1	2	2	1	3	7	10	5	0
		21	1007.4	-	2.5	1.0	6.2	84	5.4	0	6	7	13	5	0	0	0	0	1	0	0	3	9	10	8	0	1	11	18	1	3	3	1	3	9	8	2	1
LOSSIEMOUTH	6	3	1006.7	-	2.7	1.2	6.0	80	5.8	0	6	3	12	9	1	0	0	0	1	0	0	1	10	5	14	0	2	13	16	0	4	2	2	4	6	7	4	2
		9	1006.9	-	2.2	1.1	5.9	81	5.8	0	5	4	17	5	0	0	0	0	1	0	0	4	7	9	10	0	2	17	11	1	2	4	1	4	6	8	3	2
		15	1006.7	-	3.5	1.1	6.5	81	6.3	0	3	3	19	5	1	0	0	0	1	0	0	1	2	6	8	13	0	1	13	16	1	1	2	1	6	4	8	7	1
		21	1007.2	-	2.6	1.0	6.2	83	5.3	0	5	8	13	5	0	0	0	0	0	0	1	3	10	6	11	0	1	18	11	1	4	0	4	3	3	10	4	2
TAYSIDE																																					
USAN	35	9	1007.7	-	2.4	0.9	6.2	83	5.6	0	7	5	6	13	0	0	0	0	0	0	0	3	7	3	18	1	4	14	10	2	7	1	0	2	5	3	8	3
		15	1007.5	-	3.8	1.0	6.7	82	5.7	0	4	7	9	10	1	0	0	1	0	0	0	4	5	7	14	0	4	11	14	2	6	2	0	0	7	5	7	2
		21	1008.1	-	2.9	0.9	6.4	84	4.2	4	7	6	8	6	0	0	0	0	0	0	0	1	4	8	18	0	6	11	12	2	5	1	2	1	5	5	7	3
FIFE																																					
LEUCHARS	12	3	1007.4	-	1.2	0.7	5.9	86	5.0	5	4	4	9	9	0	0	0	0	1	0	0	1	7	4	12	6	0	1	11	18	1	5	2	1	4	2	9	5
		9	1007.5	- 3.3	1.3	0.8	5.8	85	5.6	0	5	7	11	8	0	0	0	0	1	0	0	0	7	5	13	0	2	9	17	3	3	1	1	3	1	11	4	2
		15	1007.3	-	3.1	1.0	6.4	82	6.0	0	5	4	12	9	1	0	0	0	1	2	1	5	8	4	10	0	0	12	17	2	8	0	0	3	2	7	7	4
		21	1007.9	-	1.9	0.8	6.1	85	4.9	4	5	5	10	7	0	0	0	0	0	2	8	7	9	5	0	1	9	19	2	4	2	1	4	0	11	4	3	3
LOTHIAN																																					
TURNHOUSE	44	3	1007.6	-	1.5	0.5	6.3	89	5.5	2	4	3	14	8	0	0	0	0	0	0	1	7	9	12	2	0	1	8	20	2	2	2	3	4	1	4	10	3
		9	1007.9	- 3.4	1.4	0.6	6.1	88	6.1	0	3	6	14	8	0	0	0	1	0	0	0	9	9	11	1	0	2	10	15	4	1	5	2	1	3	6	7	2
		15	1007.5	-	3.8	1.0	6.8	83	6.1	0	5	2	16	8	0	0	0	0	0	1	3	7	12	5	3	0	0	12	15	4	2	2	4	1	2	4	10	2
		21	1008.0	-	2.0	0.7	6.3	87	5.2	1	7	4	12	7	0	0	0	0	0	1	2	7	15	5	1	0	0	9	19	3	1	1	5	3	0	2	14	2
6 SCOTLAND W STRATHCLYDE																																					
ABBOTSINCH	9	3	1007.5	-	1.4	0.6	6.2	88	5.4	2	5	5	10	9	0	0	0	0	1	4	1	7	9	4	5	0	0	5	21	5	1	5	4	2	4	6	3	1
		9	1007.7	- 3.6	1.4	0.7	6.2	87	5.9	0	4	6	11	9	1	0	1	0	0	4	3	7	3	7	6	0	0	7	18	6	4	3	5	2	3	1	4	6	0
		15	1007.3	-	3.9	1.1	6.7	82	6.2	1	3	2	16	8	1	0	0	0	2	0	2	5	7	8	6	0	0	11	19	1	3	2	6	3	1	2	11	2
		21	1007.9	-	2.0	0.7	6.3	87	5.1	4	5	4	8	8	2	0	1	1	1	1	3	10	6	6	2	0	0	5	17	9	1	3	3	3	3	5	1	3
GLASGOW WEATHER CENTRE	17 (X)	3	1007.6	-	-	-	-	-	5.4	3	5	2	13	8	0	0	0	0	1	1	5	6	8	8	3	0	0	3	24	4	2	4	6	3	4	2	5	1
		9	1008.0	-	2.5	1.0	6.1	82	6.1	0	3	5	12	9	2	0	1	0	0	0	3	12	4	9	2	0	0	5	22	4	4	2	5	5	5	5	1	0
		15	1007.5	-	4.4	1.6	6.3	74	6.2	0	3	5	13	9	1	0	1	0	0	1	3	6	8	10	2	0	0	4	26	1	2	4	6	5	2	8	3	2
		21	1008.0	-	3.2	1.1	6.4	81	5.4	3	3	7	6	11	1	0	1	0	0	0	3	9	10	5	3	0	0	4	25	2	2	2	5	5	2	8	3	1
MACHRIHANISH	14	3	1006.8	-	4.1	1.2	6.7	79	5.5	0	3	11	10	7	0	0	0	0	0	0	0	1	10	14	6	1	4	11	13	2	6	0	8	2	6	3	3	0
		9	1007.0	-	3.7	1.1	6.8	82	6.2	0	4	5	14	8	0	0	0	0	0	0	0	5	8	11	7	1	4	15	11	0	5	1	8	6	3	3	2	3
		15	1006.7	-	5.4	1.5	7.0	77	6.1	0	4	5	13	9	0	0	0	0	0	0	1	5	7	11	7	0	7	18	6	0	5	1	4	5	5	3	2	3
		21	1007.1	-	3.9	1.1	6.8	81	5.7	0	5	5	10	11	0	0	0	0	0	0	1	3	8	11	8	0	5	16	8	2	6	2	4	4	5	2	3	3
PRESTWICK	21	3	1007.5	-	1.8	0.6	6.5	90	5.2	2	6	5	9	9	0	0	0	0	0	0	0	6	12	13	0	0	0	9	19	3	2	4	6	4	2	2	2	2
		9	1007.8	- 3.5	1.6	0.6	6.3	89	5.4	0	7	5	10	9	0	0	0	0	0	0	0	8	9	12	2	0	0	9	18	2	5	1	2	5	6	6	1	2
		15	1007.4	-	4.0	1.1	6.7	81	5.8	0	5	3	16	7	0	0	0	0	0	0	1	10	9	9	2	0	0	14	17	0	4	2	5	6	6	1	2	3
		21	1007.8	-	2.2	0.6	6.5	88	5.6	2	5	3	8	13	0	0	0	0	0	0	3	12	9	7	0	0	1	11	18	1	3	2	8	5	7	1	3	1
RHUVAAL	19	3	1007.1	-	4.9	1.5	6.7	76	5.7	0	8	3	4	16	0	0	0	0	0	0	0	0	6	11	14	1	2	9	18	1	7	0	6	11	11	1	3	1
		9	1007.2	-	5.0	1.4	6.9	77	6.1	0	5	4	10	12	0	0	0	0	0	0	0	1	4	14	12	2	3	7	18	1	6	2	6	2	7	3	2	2
		15	1007.2	-	5.7	1.7	6.9	74	5.9	0	1	11	9	10	0	0	0	0	0	0	0	2	5	8	16	3	2	9	17	0	8	2	5	3	6	2	3	2
		21	1007.7	-	5.0	1.4	6.8	77	5.2	1	8	5	5	12	0	0	0	0	0	0	0	3	4	8	16	2	2	9	17	1	5	2	2	3	11	1	4	2

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JANUARY 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT							VISIBILITY							WIND SPEED AND DIRECTION								
									OKTAS														BEAUFORT FORCE								
																							8 OR MORE	6-7	4-5	1-3	CALM				
																							SPEED (KT)								
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
			NUMBER OF OBSERVATIONS																														
6 SCOTLAND W-CONTD.																																	
STRATHCLYDE -CONTD.																																	
SLOY	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	2.2	0.8	6.3	86	6.0	2	3	5	9	12	0	0	0	0	0	0	2	6	23	0	0	0	2	25	4	2	0	2	4	3	4	11
		15	-	-	4.0	1.2	6.6	81	6.2	1	2	5	10	13	0	0	0	0	0	0	1	8	22	0	0	0	1	27	3	1	1	1	6	1	2	14
		21	-	-	2.6	0.8	6.4	85	5.3	3	6	4	4	14	0	0	0	0	0	0	0	0	11	20	0	0	0	1	26	4	3	1	0	5	1	11
TIREE	10	3	1006.5	-	4.6	1.0	7.3	84	5.2	2	5	9	6	9	0	0	0	0	0	0	1	2	9	7	12	3	8	15	4	1	6	4	3	2	1	3
		9	1006.6	- 2.8	4.4	0.8	7.5	87	5.8	0	4	5	15	7	0	0	0	0	0	0	0	5	4	10	12	1	6	19	4	1	5	3	2	1	3	3
		15	1006.7	-	5.3	1.2	7.4	82	5.6	0	6	7	7	11	0	0	0	0	0	0	1	0	4	11	6	10	1	9	14	6	1	6	3	3	4	4	3
		21	1007.2	-	4.6	1.0	7.3	84	5.4	1	7	4	8	11	0	0	0	0	0	0	0	0	7	9	11	0	11	16	4	0	7	2	2	1	3	3
DUMFRIES & GALLOWAY																																	
ESKDALEMUIR	237	3	1007.7	-	-0.3	0.5	5.6	90	5.8	3	2	6	5	15	0	-	-	-	-	-	-	-	-	-	-	0	2	9	11	9	6	1	0	1	2	3
		9	1008.1	- 4.1	-0.1	0.5	5.7	90	6.1	0	3	6	2	9	14	0	0	0	0	1	2	5	3	13	2	0	1	9	12	6	8	3	0	2	4	3
		15	1007.6	-	1.7	0.8	6.1	86	6.3	0	3	6	8	14	0	0	0	0	0	1	1	8	5	10	5	0	1	8	15	7	6	3	0	4	5	1
		21	1008.3	-	-0.1	0.5	5.7	90	5.8	3	4	2	9	13	0	0	0	0	0	1	1	0	9	8	11	1	0	0	7	18	6	8	2	0	5	4	2
2 ENGLAND E & NE																																	
NORTHUMBERLAND																																	
BOULMER	27	3	1007.4	-	2.1	0.5	6.5	90	5.8	3	2	6	5	15	0	0	0	0	0	2	2	4	8	2	7	8	0	3	8	20	0	2	3	0	2	9	4
		9	1007.6	-	2.0	0.6	6.5	89	5.8	0	6	3	12	10	0	0	0	0	0	1	3	8	4	9	5	0	2	11	18	0	3	3	0	1	3	12	1
		15	1007.4	-	3.5	0.8	6.9	86	6.1	0	5	5	8	12	1	0	1	0	1	0	3	7	7	9	2	0	2	10	17	2	0	3	2	1	2	9	2
		21	1007.9	-	2.3	0.6	6.5	89	5.2	3	6	3	7	10	2	0	1	1	0	0	3	9	6	6	5	0	2	9	20	0	2	2	1	3	6	4	1
SEAHOUSES	12	3	1007.1	-	-	-	-	-	4.8	4	5	6	7	9	0	0	0	0	0	0	2	10	6	13	0	1	4	10	15	1	5	3	1	2	0	8	3
		9	1007.4	-	-	-	-	-	5.5	0	5	8	8	10	0	0	0	0	0	2	3	1	9	8	11	0	0	1	11	15	1	2	4	1	2	2	2
		15	1007.2	-	-	-	-	-	5.9	0	2	10	10	9	0	0	0	0	0	1	2	1	8	9	1	0	1	1	12	15	2	4	1	2	0	0	1
		21	1007.6	-	-	-	-	-	4.8	3	7	6	4	10	1	1	0	0	0	0	3	2	8	9	11	0	0	4	10	16	1	3	0	4	1	7	4
TYNE & WEAR																																	
NEWCASTLE	72	3	1007.7	-	2.2	0.7	6.4	87	5.9	2	4	4	5	16	0	0	0	0	0	1	2	6	11	4	5	2	0	0	5	25	1	3	2	1	2	6	5
WEATHER CENTRE (X)		9	1008.2	-	2.1	0.7	6.3	87	5.5	0	5	8	9	9	0	0	0	0	0	0	1	9	10	6	9	2	0	0	5	24	3	2	1	5	2	0	8
		15	1007.7	-	4.0	1.1	6.8	82	6.2	0	5	4	8	14	0	0	0	0	0	0	4	5	11	9	2	1	0	0	9	19	3	2	1	2	0	8	1
		21	1008.3	-	2.7	0.8	6.5	86	5.7	2	4	5	12	8	0	0	0	0	0	1	6	12	9	3	0	0	0	9	22	0	2	1	2	1	8	6	4
TYNEMOUTH	40	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1008.3	- 4.0	2.5	0.8	6.5	86	5.6	1	2	10	8	10	0	0	0	0	0	2	3	4	4	18	3	0	0	4	19	8	0	3	2	2	0	8	1
		15	1008.0	-	4.1	1.0	7.0	84	6.2	0	3	6	7	14	1	0	0	0	0	1	0	3	4	15	3	0	1	1	14	14	1	5	0	4	3	1	1
		21	1008.5	-	3.0	0.8	6.7	86	5.3	4	4	4	6	13	0	0	0	0	0	1	2	2	26	0	0	1	5	12	13	0	2	0	0	3	1	9	1
NORTH YORKSHIRE																																	
LEEMING	33	3	1007.8	-	1.6	0.5	6.3	90	5.8	0	6	4	8	9	4	0	2	1	2	1	5	4	6	3	7	0	0	9	22	0	5	1	1	11	2	0	7
		9	1008.5	- 4.5	1.5	0.5	6.3	91	6.0	0	5	6	4	14	2	0	2	0	2	2	2	11	2	4	6	0	0	14	15	2	5	1	1	6	4	0	0
		15	1008.0	-	3.9	1.1	6.7	81	6.0	0	5	4	12	10	0	0	0	0	2	2	2	8	7	4	6	0	0	12	19	0	5	3	1	3	1	8	2
		21	1008.6	-	2.0	0.6	6.4	89	5.2	5	4	4	5	11	2	0	0	2	0	3	2	8	3	8	5	0	0	10	20	1	5	0	2	8	3	0	4
WHITBY C.G.	66	3	1007.7	-	2.9	0.6	6.8	89	6.7	1	1	5	3	20	1	0	0	0	0	1	0	2	9	9	7	3	1	0	1	13	2	3	1	3	2	7	8
		9	1008.3	-	2.5	0.6	6.7	90	6.2	0	2	7	10	12	0	1	0	0	0	0	1	0	2	12	7	8	1	3	15	11	1	1	3	1	2	11	4
		15	1008.0	-	3.9	0.9	7.0	85	6.3	0	2	6	11	12	0	0	0	0	0	1	0	2	11	8	7	2	0	5	14	10	2	3	2	3	2	7	4
		21	1008.5	-	3.2	0.7	6.8	87	6.0	2	3	5	4	17	0	0	0	0	0	0	1	2	8	7	3	1	6	14	10	0	1	3	2	2	8	8	4
HUMBERSIDE																																	
SPURN POINT	20	3	1007.9	-	2.9	0.7	6.7	88	5.3	3	7	2	3	15	1	0	0	1	0	2	0	7	13	8	0	0	5	16	9	1	0	4	1	5	6	0	9
		9	1008.6	-	2.6	0.5	6.8	91	5.7	0	5	5	9	9	3	0	1	1	0	2	0	2	10	13	2	0	0	2	19	6	4	1	0	4	7	1	6
		15	1008.2	-	3.8	0.8	7.0	87	5.7	0	3	6	11	8	1	0	0	1	0	2	2	2	9	15	1	0	0	2	22	6	1	1	2	2	5	8	0
		21	1008.9	-	3.1	0.6	6.9	90	6.1	1	3	6	4	16	1	0	0	1	0	2	2	2	8	14	4	0	1	3	18	7	2	1	1	2	2	4	6
LINCOLNSHIRE																																	
BINBROOK	112	3	1007.9	-	1.1	0.3	6.3	93	6.1	2	5	0	9	14	1	0	1	1	1	4	7	11	2	4	0	0	2	16	13	0	2	2	1	3	7	5	6
		9	1008.7	-	1.1	0.3	6.4	94	6.5	2	1	2	14	11	1	0	1	1	3	3	2	12	4	5	3	0	0	0	16	11	4	2	1	0	5	6	3
		15	1008.4	-	2.8	0.5	6.9	91	6.3	0	3	5	12	11	0	0	2	1	0	1	4	12	8	3	0	0	0	17	13	1	0	2	2	1	11	1	8
		21	1008.7	-	1.6	0.3	6.6	94	6.1	2	4	1	9	14	1	0	1	0	1	1	12	12	3	1	0	0	3	14	14	0	3	0	2	3	9	2	8
WADDINGTON	70	3	1008.3	-	1.7	0.4	6.4	92	5.8	3	3	4	7	14	0	0	0	2	1	4	8	8	4	4	3	0	0	1	14	15	1	1	2	2	5	2	6
		9	1009.1	- 4.8	1.5	0.4	6.4	92	6.2	1	3	2	16	7	2	0	1	2	4	2	4	8	7	6	3	0	0	1	13	17	1	2	1	2	6	1	4
		15	1008.7	-	3.5	0.7	7.0	88	5.9	0	5	5	9	11	1	0	0	0	1	3	5	7	7	6	5	2	0	0	16	14	0	4	0	3	4	5	6
		21	1009.1	-	2.1	0.4	6.7	93	6.0	2	5	2	7	15	0	0	0	2	2	3	6	11	5	2	0	0	2	13	16	0	1	0	1	7	6	6	4
3 EAST ANGLIA																																	
NORFOLK																																	
COLTISHALL	17	3	1008.1	-	2.8	0.6	6.8	90	6.5	4	0	3	3	20	1	0	1	0	4	3	7	9	5	2	2	0	0	2	8	19	2	1	0	1	7	5	2
		9	1008.8	-	2.5	0.5	6.8	90	6.1	1	5	3	6	13	3	0	3	3	0	1	3	6	9	3	2	2	0	0	6	22	3	2	1	0	5	5	3
		15	1008.9	-	4.5	1.1	7.1	83	6.0	1	4	5	11	9	1	0	1	0	1	1	3	11	8	4	2	0	0	0	14	17	0	1	1	0	1	3	9
		21	1009.2	-	2.9	0.6	6.8	89	5.8	3	3	4	7	12	2	0	0	2	1	3	5	13	4	3	0	0	1	8	21	1	1	0	0	1	5	6	3
MARHAM	24	3	1008.3	-	2.0	0.3	6.8	94	6.4	4	1	1	9	14	2	0	2	1	2	2	7	9	3	2	3	0	1	10	20	0	2	0	4	6	7	3
		9	1009.1	- 5.2	1.7	0.2	6.8	96	6.4	0	4	3	10	13	2	0	1	0	0	1	5	5	10	4	5	0	0	0	7	24	0	0	2	0	4	2	5
		15	1008.9	-	3.9	0.5	7.4	91	6.7	0	2	3	11	13	2	0	2	0	0	1	4	13	5	6	1	2	0	0	14	17	0	2	0	1	3	2	7
		21	1009.3	-	2.4	0.3	7.0	95	5.9	2	6	1	5	16	1	0	1	0	0	5	4	12	6	1	2	0	0	1	10	20	0	2	1	2	7	7	2
CAMBRIDGESHIRE																																	
WITTERING	76	3	1008.3	-	1.8	0.4	6.5	92	5.8	1	6	4	6	13	1	0	1	0	2	5	7	5	6	3	2	0	1	13	16	1	3	2	2	4	4	2	8
		9	1009.1	- 5.2	1.7	0.4	6.5	93	5.9	0	5	4	12	8	2	0	2	1	1	4	6	8	6	3	1	0	0	12	16	3	3	0	1	3	7	5	4
		15	1008.7	-	3.7	0.8	7.0	87	6.2	2	3	2	11	12	1	0	0	2	0	2	6	9	7	4	1	0	2	15	14	0	1	2	1	4	7	6	8
		21	1009.0	-	2.3	0.5	6.7	92	5.7	4	3	3	5	14	2	0	0	2	0	3	9	6	7	3	1	0	1	13	16	1	2	0	0	7	6	1	8
WYTON	43	3	1008.5	-	2.4	0.4	6.8	92	5.9	3	3	2	8	15	0	0	0	0	3	6	4	7	5	4	2	0	0	0	10	20	1	3	0	3	4	8	3
		9	1009.4	-	2.0	0.3	6.8	93	6.4	1	3	1	13	12	1	0	0	1	3	4	5	12	2	3	0	0	0	6	25	0	2	0	3	4	9	3	8
		15	1009.0	-	4.2	0.8	7.3	87	6.8	1	0	2	18	9	1	0	0	0	1	3	3	14	7	3	0	0	0	9	22	0	2	1	0	4	1	9	4
		21	1009.3	-	2.7	0.4	7.0	93	6.0	4	3	1	5	18	0	0	0	0	3	3	7	11	3	4	0	0	1	7	22	1	1	0	2	6	6	4	6
SUFFOLK																																	
ALDEBURGH	9	9	1009.3	-	-	-	-	-	5.9	2	2	5	8	13	1	2	2	0	1	0	6	10	10	0	0	0	0	9	19	3	1	0	1	3	4	4	10
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1010.1	-	-	-	-	-	4.5	10	1	4	2	14	0	1	0	0	0	1	3	11	15	0	0	1	3	6	19	2	2	0	1	2	4	8	7
HONINGTON	51	3	1008.4	-	2.2	0.3	6.8	94	6.8	2	2	0	6	20	1	0	2	1	2	3	9	9	4	0	1	0	1	11	18	1	1	0	4	4	6	4	7
		9	1009.2	-	1.9	0.3	6.7	94	6.3	1	3	3	11	12	1	0	2	0	4	3	7	6	5	2	1	0	0	10	19	2	1	1	3	5	6	6	8
		15	1009.1	-	3.9	0.7	7.2	88	6.7	1	1	5	7	16	1	0	0	1	1	3	3	15	2	5	1	0	0	13	18	0	2	0	3	2	11	1	8
		21	1009.4	-	2.4	0.4	6.8	92	6.2	3	3	2	5	17	1	0	0	1	4	2	5	13	3	3	0	0	2	7	21	1	2	0	2	5	6	3	9
WATTISHAM	91	3	1008.6	-	2.2	0.3	6.9	95	6.0	5	2	1	5	18	0	0	1	1	4	2	9	4	6	7	2	0	1	14	15	0	1	2	0	3	8	2	5
		9	1009.4	-	2.0	0.3	6.8	95	6.1	1	3	6	7	9	5	0	6	2	4	0	1	4	7	6	3	0	1	19	11	0	2	1	0	4	10	2	5
		15	1009.2	-	3.7	0.6	7.3	90	6.4	0	2	5	10	13	1	0	1	1	2	1	1	14	6	2	3	0	2	15	14	0	1	1	2	2	7	6	4
		21	1009.6	-	2.5	0.4	6.9	93	5.9	2	3	5	6	14	1	0	2	0	1	2	7	12	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0
BEDFORDSHIRE																																	
CARDINGTON	30	3	1008.7	-	2.4	0.3	7.0	94	6.1	4	0	6	6	16	1	0	0	0	1	0	0	4	10	11	4	1	0	1	9	21	0	4	1	2	3	8	5
		9	1009.6	- 5.2	2.3	0.3	7.0	95	6.7	1	1	2	12	14	0	0	0	0	1	0	1	8	10	9	2	0	0	1	5	24	2	3	0	3	4	6	4
		15	1009.1	-	4.6	0.8	7.6	88	6.8	0	2	3	11	15	0	0	0	0	0	0	1	3	8	16	3	0	0	1	8	22	1	1	0	1	2	4	6
		21	1009.5	-	2.8	0.3	7.2	94	6.0	3	1	6	7	14	0	0	0	0	0	0	0	6	12	12	1	0	0	1	5	24	1	1	0	4	3	6	4

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JANUARY 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																																			
3 EAST ANGLIA -CONTD.																																											
ESSEX																																											
SHOEBURYNESS	5	9	1009.8	- 5.4	3.3	0.5	7.3	92	6.2	0	3	5	13	10	0	0	0	0	1	1	6	6	12	5	0	0	0	9	22	0	2	0	2	1	8	6	7	5
		15	1009.5	-	4.7	0.8	7.6	88	6.6	1	0	4	17	9	0	0	0	0	1	2	2	9	10	5	2	0	1	15	14	1	1	0	0	1	7	4	5	9
		21	1009.8	-	3.5	0.6	7.2	91	5.4	1	9	1	8	12	0	0	0	0	0	1	2	12	10	6	0	0	1	9	19	2	2	0	0	4	7	4	6	6
STANSTED	102	3	1008.6	-	2.3	0.4	6.8	92	6.4	2	3	1	7	15	3	0	2	2	1	1	6	9	3	6	1	0	0	8	21	2	3	0	3	4	5	6	4	6
		9	1009.6	- 5.4	2.0	0.4	6.7	92	6.8	0	2	2	11	13	3	0	1	3	4	3	2	5	8	3	1	0	0	5	24	2	3	1	0	5	6	4	4	6
		15	1009.1	-	4.0	0.8	7.2	86	6.6	0	1	3	17	9	1	0	0	1	0	3	2	7	6	11	2	0	0	1	9	20	1	4	0	0	1	4	5	3	8
		21	1009.5	-	2.4	0.4	6.8	92	5.5	3	4	4	7	12	1	0	0	1	1	2	2	15	8	2	0	0	1	6	22	2	4	1	1	4	7	3	4	5
4 MIDLAND COUNTIES																																											
WEST YORKSHIRE																																											
HUDDERSFIELD	235	3	1008.0	-	0.9	0.3	6.2	94	6.6	3	1	1	6	20	0	0	1	1	6	2	3	0	8	11	0	1	0	8	19	3	2	3	1	3	5	2	11	1
OAKES		9	1008.8	-	1.1	0.4	6.2	92	6.1	1	4	4	8	13	1	0	1	0	1	4	3	2	10	10	0	0	1	10	14	6	1	2	0	4	4	7	7	
		15	1008.3	-	2.7	0.6	6.7	89	6.4	2	0	4	11	14	0	0	1	0	1	2	4	6	8	10	0	0	1	7	20	3	4	1	2	5	4	2	5	6
		21	1008.6	-	1.7	0.3	6.6	94	5.9	3	2	2	12	12	0	0	1	1	1	1	5	3	10	9	0	0	2	11	15	3	2	1	1	5	4	2	8	5
WILSDEN	267	3	1008.2	-	0.9	0.3	6.2	94	5.7	2	3	9	3	10	4	1	2	0	1	2	4	6	15	0	0	1	0	13	13	4	2	3	3	3	4	8	1	
		9	1008.9	-	0.5	0.3	6.1	94	5.6	1	4	7	5	11	3	0	2	1	5	1	2	3	13	4	0	0	0	10	15	6	1	3	2	4	5	1	5	
		15	1008.2	-	2.2	0.5	6.7	91	6.3	1	4	3	4	18	1	0	0	1	3	4	2	7	9	5	0	0	0	15	15	1	2	1	4	3	5	1	8	5
		21	1008.8	-	1.4	0.4	6.4	92	5.9	2	5	3	6	12	3	1	0	0	3	3	3	6	15	0	0	0	1	11	16	3	4	0	4	3	4	3	7	3
SOUTH YORKSHIRE																																											
FINNINGLEY	15	3	1007.9	-	1.8	0.4	6.5	92	6.2	3	1	3	10	12	2	0	1	1	3	1	4	13	2	4	2	0	1	10	19	1	1	2	1	4	6	4	5	7
		9	1008.6	- 4.9	1.6	0.4	6.4	92	6.1	0	5	3	14	7	2	0	2	0	2	3	3	5	5	4	1	0	0	5	23	3	4	0	2	5	8	0	5	6
		15	1008.1	-	3.9	0.9	7.0	85	6.2	0	3	6	11	11	0	0	0	0	0	3	5	10	10	2	1	0	0	15	15	1	4	1	2	3	8	2	4	6
		21	1008.5	-	2.1	0.4	6.7	92	6.0	2	3	4	7	15	0	0	0	0	3	3	2	17	4	2	0	0	0	8	20	3	2	0	2	5	7	2	5	5
NOTTINGHAMSHIRE																																											
WATNALL	119	3	1008.1	-	1.8	0.4	6.6	92	6.3	2	4	0	7	17	1	0	1	1	0	4	7	10	5	3	0	0	1	10	19	1	3	2	4	2	4	6	1	8
		9	1008.9	- 5.0	1.7	0.3	6.6	93	6.2	1	3	4	11	12	0	0	0	2	3	3	5	14	2	2	0	0	0	5	23	3	3	2	3	3	5	3	7	2
		15	1008.3	-	3.6	0.7	7.1	88	6.4	1	3	2	12	12	1	0	1	0	2	4	2	10	11	1	0	0	0	10	19	2	4	1	2	2	7	3	4	6
		21	1008.6	-	2.3	0.4	6.8	92	6.4	2	0	5	11	13	0	0	0	0	1	1	9	13	5	2	0	0	0	8	21	2	4	1	3	2	7	3	4	5
SALOP																																											
SHAWBURY	76	3	1008.3	-	2.0	0.4	6.7	93	6.0	1	3	5	9	12	1	0	1	0	2	2	4	9	5	8	0	0	1	6	24	0	4	2	4	3	10	0	5	5
		9	1008.8	- 5.2	2.2	0.4	6.7	92	6.4	0	3	3	13	11	1	0	0	3	1	4	3	5	6	8	1	0	0	4	26	1	2	2	4	3	9	0	5	5
		15	1008.0	-	4.5	0.9	7.4	86	6.6	0	3	1	15	12	0	0	0	1	0	2	3	4	11	8	2	0	0	1	10	20	0	4	2	3	3	8	4	3
		21	1008.6	-	2.3	0.5	6.7	92	6.1	1	3	6	7	13	1	0	1	0	0	3	6	6	11	4	0	0	0	1	7	20	3	3	2	2	7	4	1	6
WEST MIDLANDS																																											
EDGBASTON	165	9	1009.1	- 5.3	1.9	0.4	6.6	91	6.9	0	0	6	10	11	4	0	1	1	6	5	2	6	10	0	0	0	0	3	26	2	5	0	2	4	7	1	4	6
		15	1008.4	-	3.8	1.0	6.9	84	6.5	0	2	4	13	12	0	0	0	0	3	3	3	11	10	1	0	0	0	13	17	1	8	1	1	4	6	4	4	2
		21	1008.8	-	2.7	0.6	6.8	89	6.4	1	2	6	7	14	1	0	0	0	2	2	4	16	7	0	0	0	0	8	22	1	6	0	1	5	8	3	4	3
ELMDON	100	3	1008.6	-	1.7	0.4	6.5	91	6.3	2	3	2	10	13	1	0	0	1	1	1	9	9	6	3	1	0	0	7	23	1	4	2	1	7	7	2	3	6
		9	1009.3	- 5.1	1.7	0.4	6.5	92	6.5	0	3	4	12	9	3	0	2	1	1	5	6	6	9	1	0	0	0	4	23	0	4	3	1	2	6	5	9	4
		15	1008.5	-	4.1	0.9	7.0	84	6.5	0	3	3	13	12	0	0	0	0	1	3	2	12	15	0	0	0	1	12	18	0	2	1	2	5	9	1	5	7
		21	1009.0	-	2.3	0.5	6.8	91	6.0	1	5	3	8	13	1	0	0	0	1	3	5	12	10	0	0	0	0	8	21	2	1	0	2	8	5	5	1	7
HEREFORD & WORCESTER																																											
PERSHORE	36	3	1008.6	-	1.8	0.4	6.5	91	5.6	4	3	4	5	14	1	0	1	0	1	2	1	15	6	4	1	0	0	9	20	2	3	0	5	3	4	4	5	5
		9	1009.2	-	1.7	0.4	6.6	93	6.5	0	4	3	12	12	0	0	0	1	2	2	4	9	7	6	0	0	0	11	15	5	2	1	5	3	6	2	4	6
		15	1008.5	-	4.4	0.9	7.2	85	6.5	1	2	3	10	15	0	0	0	0	1	1	1	4	4	14	7	0	0	1	9	20	1	2	2	3	4	5	6	5
		21	1008.9	-	2.5	0.5	6.8	91	5.9	4	2	3	6	15	1	0	1	1	1	0	2	12	11	3	0	0	0	9	21	1	5	1	1	6	7	5	2	3
GLOUCESTER																																											
INNSWORTH	24	3	1008.7	-	2.6	0.6	6.8	89	5.5	3	4	4	8	12	0	0	0	1	0	0	3	10	6	10	1	0	0	3	20	8	3	1	3	0	7	3	6	4
		9	1009.2	-	2.7	0.5	6.9	90	6.8	0	2	1	17	11	0	0	0	0	1	3	6	12	6	3	0	0	0	7	19	5	4	0	1	6	7	3	5	4
		15	1008.4	-	5.4	1.1	7.5	82	6.4	0	2	5	14	10	0	0	0	0	0	1	5	9	8	8	0	0	0	9	19	3	4	1	0	6	5	3	4	1
		21	1008.8	-	3.3	0.6	7.1	89	6.2	3	2	3	5	18	0	0	1	0	1	0	3	14	9	3	0	0	0	5	19	7	2	1	3	4	6	3	4	1
OXFORDSHIRE																																											
BENSON	74	3	1009.1	-	2.5	0.6	6.7	89	6.2	1	3	2	14	10	1	0	1	0	0	2	3	10	7	7	1	0	0	7	16	8	4	0	3	2	5	4	4	1
		9	1009.7	-	2.4	0.5	6.7	90	6.9	0	1	1	18	10	1	0	1	0	1	3	3	10	8	4	1	0	0	9	16	6	4	0	1	6	7	3	2	4
		15	1009.1	-	4.5	1.1	7.0	82	6.7	0	2	3	12	14	0	0	0	0	0	1	3	8	9	8	2	0	1	11	15	4	1	1	3	2	9	3	1	2
		21	1009.5	-	3.0	0.7	6.8	88	6.0	2	3	5	5	15	1	0	1	0	0	1	3	11	10	5	0	0	2	8	13	8	2	0	3	4	9	1	2	2
BRIZE NORTON	92	3	1008.9	-	2.2	0.5	6.6	91	5.9	4	3	2	4	17	1	0	0	1	0	1	6	10	4	8	1	0	0	0	7	19	5	4	2	1	2	4	7	2
		9	1009.5	-	1.8	0.4	6.6	93	6.9	1	0	2	13	13	2	0	0	0	0	1	2	3	12	3	7	0	0	0	6	21	4	5	0	1	4	3	6	4
		15	1008.8	-	4.4	1.0	7.1	83	6.5	0	4	3	11	13	0	0	0	0	0	1	4	6	8	12	0	0	0	0	8	23	0	4	1	2	3	6	4	5
		21	1009.3	-	2.8	0.5	6.9	91	5.6	5	3	2	7	14	0	0	0	0	0	1	5	8	10	7	0	0	0	9	18	4	1	1	3	4	4	6	2	6
5 ENGLAND SE & CENT. S.																																											
GREATER LONDON																																											
HEATHROW	26	3	1009.3	-	3.0	0.4	7.2	93	6.0	2	4	2	8	15	0	0	1	2	1	2	8	7	7	2	1	0	0	6	22	3	1	1	1	5	7	3	7	3
		9	1010.0	- 5.2	3.1	0.4	7.2	92	6.7	0	1	4	13	12	1	0	1	0	2	2	0	13	8	8	0	0	0	4	25	2	3	0	1	3	7	1	6	5
		15	1009.5	-	5.3	1.1	7.6	83	6.5	0	1	6	17	7	0	0	0	0	0	1	0	14	8	8	0	0	0	0	23	0	2	1	1	4	8	3	4	5
		21	1009.8	-	3.8	0.7	7.2	88	5.4	5	4	2	7	13	0	0	0	0	0	1	4	21	4	1	0	0	1	5	25	0	2	1	1	4	10	2	5	6
KEW	10	3	1009.2	-	2.9	0.7	6.8	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1010.0	- 5.2	3.1	0.8	6.9	88	6.5	0	1	6	13	11	0	0	1	0	1	2	2	14	9	2	0	0	0	3	24	4	2	1	2	3	6	8	4	1
		15	1009.5	-	5.3	1.5	7.2	79	6.6	0	2	4	12	13	0	0	0	0	0	1	0	7	17	3	3	0	0	0	5	25	1	4	0	1	2	3	3	7
		21	1009.8	-	3.6	1.0	6.9	85	5.5	4	5	2	4	16	0	0	0	0	0	1	3	15	9	3	0	0	1	5	21	4	2	1	3	3	7	5	4	2
LONDON	24	3	1009.0	-	4.3	0.9	7.3	86	6.2	2	2	3	10	14	0	0	0	0	1	1	5	12	6	6	0	0	0	0	8	22	1	4	2	0	2	3	7	8
WEATHER CENTRE (X)		9	1010.1	-	4.3	0.9	7.2	85	6.7	0	1	3	15	12	0	0	0	0	0	1	0	7	10	9	5	0	0	0	4	26	1	2	1	1	3	7	5	5
		15	1009.7	-	5.8	1.5	7.2	77	6.5	0	2	3	15	11	0	0	0	0	0	1	0	12	8	6	0	0	0	11	20	0	7	1	1	3	7	4	6	2
		21	1010.0	-	4.7	1.1	7.1	82	5.5	3	6	2	4	16	0	0	0	0	0	0	2	12	12	5	0	0	1	7	23	0	2	3	1	3	8	3	6	5
WILTSHIRE																																											
BOSCOMBE DOWN	128	3	1009.5	-	2.1	0.4	6.7	93	5.5	3	3	4	11	9	1	0	0	1	2	0	2	4	5	7	8	5	2	1	0	0	8	20	3	3	1	2	4	6
		9	1009.9	- 5.5	2.1	0.3	6.9	94	6.2	1	2	4	15	8	1	0	2	3	0	1	0	9	5	1	0	0	0	9	21	1	4	1	2	5	6	7	2	6
		15	1009.2	-	4.4	0.9	7.3	86	6.9	0	1	2	16	11	1	0	1	0	0	1	0	5	13	9	1	0	0	2	11	18	0	4	3	1	2	4	8	2
		21	1009.6	-	2.7	0.5	7.0	92	6.0	3	1	6	4	17	0	0	0	0	0	2	3	11	9	6	0	1	0	10	18	2	3	1	2	4	8	2	4	5
LYNEHAM	149	3	1009.2	-	2.0	0.4	6.7	92	6.0	2	2	4	10	13	0	0	0	2	3	2	2	9	7	7	1	0	0	0	8	22	1	4	1	1	4	9	4	6
		9	1009.6	- 5.5	2.0	0.4	6.6	92	6.5	0	2	4	13	12	0	0	0	2	0	1	2	2	12	8	4	3	0	0	10	19	2	4	1	1	6	5	7	8
		15	1008.9	-	4.1	0.9	7.1	85	6.6	0	4	1	13	13	0	0	0	0	0	2	3	5	11	7	3	0	0	0	12	19	0	3	1	2	0	2	5	9
		21	1009.4	-	2.5	0.5	6.9	91	6.1	2	4	1	7	17	0	0	0	0	0	1	2	3	12	8	5	0	0	0	10	20	1	3	0	2	5	9	2	6
UPAVON	183	9	1009.7	-	1.8	0.2	6.8	96	6.7	1	2	1	14	10	3	0	0	3	0	0	0	5	12	4	6	1	0	0	7	18	6	2	1	2	1	0	1	6
		15	1009.0	-	3.8	0.6	7.3	90	6.7	0	1	4	16	9	1	0	1	0	0	1	1	3	7	11	8	6	1	0	1	11	17	6	2	3	1	2	1	6
		21	1009.5	-	2.4	0.4	6.9	93	5.8	3	4	2	5	17	0	0	0	1	0	1	3	9	11	6	0	0	1	10	16	4	5	1	0	5	6	6	3	3

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JANUARY 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT								VISIBILITY							WIND SPEED AND DIRECTION									
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS															BEAUFORT FORCE										
									MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED		0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	0 OR MORE	6-7	4-5	1-3	CALM					
									NUMBER OF OBSERVATIONS																	SPEED (KT)									
																											34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
5 ENGLAND SE & CENT. S. -CONTD.																																					
KENT																																					
DUNGENESS	7	3	1009.4	-	-	-	-	-	5.5	3	6	1	9	12	0		0	0	0	0	0	1	2	8	11	10	0	1	4	13	13	0	2	0	1	1	6	8	5	9	8	4
		9	1010.3	-	4.0	0.6	7.5	91	6.4	0	2	7	11	11	0		0	0	0	1	0	1	0	8	13	3	0	2	15	12	11	2	6	1	0	1	7	5	5	5	5	5
		15	1009.9	-	-	-	-	-	6.3	1	2	3	15	10	0		0	0	0	0	0	0	0	10	14	6	0	0	2	4	14	11	1	4	0	0	0	5	8	5	5	5	5
		21	1010.1	-	-	-	-	-	5.7	2	2	7	8	12	0		0	0	0	0	0	0	0	8	13	10	0	0	2	4	13	11	1	3	0	0	0	3	8	5	5	5	5
MANSTON	45	3	1009.3	-	3.3	0.4	7.3	92	5.7	2	5	4	5	14	1		0	0	0	1	0	0	2	2	3	6	1	0	0	4	8	19	15	0	3	2	0	0	9	6	5	6	9	3
		9	1010.1	-	3.4	0.5	7.3	92	6.4	0	2	3	7	12	10	0	0	0	0	0	1	0	2	2	6	9	10	1	2	0	0	2	16	15	0	2	0	0	1	6	8	8	6	4	2
		15	1009.8	-	4.7	0.8	7.5	87	6.2	0	4	3	15	8	1		0	0	0	0	0	0	2	1	13	11	4	0	0	2	19	10	0	2	0	0	0	2	6	8	6	3	7	6
		21	1010.3	-	3.5	0.7	7.0	89	5.8	1	5	4	8	13	0		0	0	0	0	0	0	0	2	10	13	6	0	1	1	14	15	0	4	0	0	0	1	4	3	3	2	7	6
HAMPSHIRE																																					
SOUTHAMPTON	9	3	1009.5	-	3.9	0.7	7.3	89	5.1	5	3	6	6	11	0		0	0	1	0	0	1	3	8	6	12	0	0	0	2	26	3	3	1	4	1	2	4	6	6	5	4	3
WEATHER CENTRE	(X)	9	1010.0	-	3.9	0.7	7.3	88	6.1	0	6	1	15	9	0		0	0	2	0	0	2	5	5	11	6	0	0	0	4	24	3	3	1	4	1	4	6	6	4	5	8	6	4
		15	1009.5	-	6.0	1.3	7.6	80	6.7	0	2	3	11	15	0		0	0	0	0	0	0	2	6	17	6	0	0	0	7	24	0	3	2	1	1	3	6	4	8	4			
		21	1009.9	-	4.6	0.9	7.4	86	5.5	5	2	5	5	14	0		0	0	0	0	0	0	4	9	7	11	0	0	0	7	24	0												
WEST SUSSEX																																					
GATWICK	60	3	1009.5	-	2.6	0.4	7.1	92	6.2	3	2	2	10	14	0		0	0	1	5	3	6	7	8	1	2	0	0	1	8	18	4	3	3	2	1	3	5	5	6	4	1
		9	1010.2	- 5.2	2.6	0.4	7.1	93	6.7	0	1	3	15	11	1		0	0	0	1	2	2	11	9	9	8	2	0	0	6	23	2	2	1	3	2	2	7	7	4	6	5	5	6
		15	1009.6	-	5.0	1.0	7.5	85	6.6	0	1	6	11	13	0		0	0	0	0	2	2	9	10	8	2	0	0	0	12	18	1	4	1	3	2	3	5	6	6	6	5	6
		21	1010.1	-	3.2	0.5	7.2	91	6.0	2	4	3	7	15	0		0	0	0	0	2	6	13	8	2	0	0	0	1	7	23	0	1	3	2	1	3						
EAST SUSSEX																																					
HERSTMONCEUX	28	3	1010.0	-	3.2	0.4	7.4	94	5.9	4	1	4	6	16	0		0	0	0	1	1	3	2	9	11	5	0	1	2	8	14	6	4	0	2	1	8	3	7	0	2	4
		9	1010.8	-	3.2	0.4	7.3	93	6.4	0	2	4	17	7	0		0	0	0	1	1	4	4	11	10	7	0	1	2	8	12	8	4	0	2	1	8	1	6	7	2	2
		15	1010.3	-	5.1	0.8	7.8	88	6.1	0	4	3	16	8	0		0	0	0	0	0	1	1	8	12	7	0	0	5	9	16	1	4	0	3	2	8	7	7	3	4	2
		21	1010.6	-	3.7	0.6	7.2	89	5.3	3	3	7	9	9	0		0	0	0	0	1	1	2	7	11	9	0	1	2	6	20	2	3	2	2	2	8	3	3	7	2	2
7A ENGLAND NW & I.O.M.																																					
CUMBRIA																																					
CARLISLE	28	3	1007.6	-	1.6	0.5	6.4	90	6.3	2	3	3	8	14	1		0	1	0	0	1	1	8	15	5	0	0	0	0	6	22	3	1	4	4	2	6	2	5	4	4	2
		9	1008.1	- 4.3	1.5	0.5	6.3	90	6.1	0	4	5	14	7	1		0	0	1	1	0	0	1	1	13	11	2	0	0	0	6	23	2	3	3	4	4	6	3	8	4	6	5	1
		15	1007.6	-	3.7	0.9	6.9	84	6.4	1	2	3	15	10	0		0	0	0	1	0	0	3	7	12	6	1	0	0	1	12	19	0	3	2	1	4	4	4	2	3	2	2	2
		21	1008.1	-	2.0	0.6	6.4	89	5.4	2	5	4	11	9	0		0	0	0	1	0	0	4	11	11	3	1	0	1	9	20	1	3	1	3	6	8	2	5	2			
LANCASHIRE																																					
SQUIRES GATE	11	3	1007.7	-	2.1	0.4	6.7	92	6.2	3	3	2	4	17	2		0	0	2	1	0	1	6	5	10	6	0	0	1	8	22	0	5	6	3	6	6	5	1	3	3	2	2
		9	1008.3	- 4.7	2.1	0.4	6.7	91	6.3	0	4	2	14	11	0		0	0	0	0	1	3	5	5	11	5	1	0	0	1	14	17	0	6	3	3	8	5	1	6	3	3	5	1
		15	1007.6	-	4.3	0.8	7.3	87	6.2	1	3	4	13	9	1		0	1	0	0	1	3	3	9	12	4	1	0	1	16	14	0	5	1	3	3	11	3	1	4	1	2	1
		21	1008.2	-	2.7	0.5	6.9	91	5.7	1	5	4	10	11	0		0	0	0	0	3	5	7	11	5	0	0	1	1	10	20	0	5	3	3								
MERSEYSIDE																																					
SPEKE	24	3	1008.3	-	2.4	0.4	6.9	92	6.0	1	4	3	10	12	1		1	0	1	1	1	3	3	13	7	1	0	1	5	24	1	4	3	3	8	5	5	0	0	2	5	6
		9	1008.8	- 4.7	2.4	0.4	6.9	92	5.9	0	5	4	15	6	1		0	0	1	2	1	2	6	11	8	0	0	0	9	20	2	5	1	2	8	5	9	0	0	5	6	4
		15	1008.1	-	4.5	0.9	7.4	86	6.2	1	3	4	15	7	1		0	0	1	0	0	4	15	7	4	0	0	0	7	24	0	4	1	3	8	7	0	3	5			
		21	1008.7	-	3.0	0.5	6.9	90	5.7	2	5	3	7	14	0		0	0	1	0	0	4	15	7	4	0	0	0	7	24	0	4	1	3	8	7	0	3	5			
GREATER MANCHESTER																																					
MANCHESTER	42	3	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEATHER CENTRE	(X)	9	1009.0	-	3.4	0.9	6.7	84	6.1	0	4	3	16	8	0		0	0	0	1	0	1	3	15	7	4	0	0	0	2	29	0	6	3	4	5	4	4	1	4		
		15	1008.5	-	4.8	1.1	7.1	82	6.6	1	2	3	11	14	0		0	0	0	1	0	2	3	12	10	11	1	0	0	5	26	0	7	4	2	2	7	6	2	6	3	2
		21	1008.9	-	3.7	0.8	7.0	86	6.2	2	2	3	14	10	0		0	0	0	1	0	0	8	10	11	1	0	0	0	2	29	0	4	1	4	5	7	7	2	6	2	
RINGWAY	84	3	1008.4	-	2.3	0.8	6.3	85	6.0	5	1	2	7	13	3		0	0	1	2	0	1	5	11	7	4	0	0	1	12	17	1	2	1	3	1	4	11	3	3	4	5	7
		9	1009.0	- 4.5	2.4	0.9	6.3	84	6.4	0	3	5	14	9	0		0	0	0	2	0	2	7	12	9	1	0	0	0	10	21	0	2	1	2	3	3	9	1	2	2	4	
		15	1008.3	-	4.3	1.4	6.6	77	6.0	1	3	5	11	10	1		0	0	0	1	3	3	10	12	2	0	0	0	1	15	15	0	2	1	3	4	12	1	2	4		
		21	1008.9	-	2.8	0.9	6.3	83	6.4	2	1	2	15	11	0		0	0	0	1	1	8	16	3	2	0	0	0	1	10	21	0	2	0	3	4	15	1	2	4		
ISLE OF MAN																																					
POINT OF AYRE	9	3	1007.3	-	4.4	0.8	7.4	87	5.4	3	4	6	3	15	0		0	0	0	0	0	0	1	2	5	6	17	0	0	4	17	9	1	4	5	2	3	5	6	4	4	3	0
		9	1007.6	- 4.2	4.4	0.8	7.3	86	6.2	0	3	7	6	15	0		0	0	0	0	0	0	1	4	6	11	9	0	0	4	18	9	0	3	5	4	2	6	5	5	3	6	5	4
		15	1007.3	-	5.4	1.1	7.5	82	6.3	0	1	9	10	11	0		0	0	0	0	0	0	0	5	4	8	14	1	5	14	10	1	3	4	1	6	4	5	3	4		
		21	1007.7	-	4.2	0.8	7.3	87	5.1	4	4	6	2	15	0		0	0	0	0	0	0	0	5	4	8	14	1	5	14	10	1	3	4	1	6	4	5	3	4		
RONALDSWAY	21	3	1007.4	-	4.0	0.8	7.2	87	5.9	0	7	3	7	14	0		0	0	0	0	0	0	0	4	7	12	8	0	0	6	11	14	0	9	2	1	3	3	5	6	2		
		9	1007.8	- 4.4	3.9	0.8	7.1	86	6.3	0	4	3	16	8	0		0	0	0	0	0	0	1	5	6	9	10	0	0	5	13	12	1	8	1	6	2	3	4	5	5	5	1
		15	1007.3	-	5.3	1.1	7.4	82	6.2	0	4	3	13	11	0		0	0	0	0	0	0	2	6	8	9	6	0	0	7	16	7	1	6	3	4	3	5	5	5	4		
		21	1007.7	-	4.0	0.7	7.3	87	6.0	0	7	3	6	15	0		0	0	0	0	0	0	3	6	8	9	5	0	0	5	14	9	3	5	2	1	5	3	3	5	5	4	
7B WALES N																																					
GWYNEDD																																					
BARDSEY ISLAND	19	3	1008.0	-	5.8	0.7	8.3	89	5.5	1	6	5	6	13	0		0	0	0	0	0	0	0	2	26	3	0	2	0	3	15	11	0	12	0	0	5	5	5	1	3	2
		9	1008.0	-	5.7	0.7	8.3	89	6.6	0	0	7	11	13	0		0	0	0	0	0	0	0	1	21	8	1	0	1	8	13	10	0	8	1	3	4	5	3	4	2	2	
		15	1007.3	-	6.2	0.9	8.3	86	6.8	0	0	6	12	13	0		0	0	0	0	0	0	4	14	11	6	0	1	2	8	11	11	0	1	2	4	6	4	3	3	2		
		21	1008.1	-	5.8	0.8	8.2	88	6.0	2	2	6	5	16	0		0	0	0	0	0	0	2	23	6	0	0	2	8	9	11	1	11	0	1	6	4	3	3	2			
VALLEY	11	3	1008.0	-	4.4	1.0	7.2	83	5.5	1	7	2	9	12	0		0	0	0	0	0	0	1	5	11	12	2	1	0	5	14	10	1	7	3	2	4	5	5	4	3	3	2
		9	1008.2	- 4.6	4.2	0.8	7.2	86	6.3	0	3	3	19	6	0		0	0	0	1	0	0	2	5	8	15	2	0	0	5	15	9	2	6	1	4	6	2	7	5	3	3	2
		15	1007.6	-	5.8	1.3	7.5	79	5.9	0	3	6	14	8	0		0	0	0	0	0	0	1	4	6	14	5	0	0	8	13	10	2	8	1	4	1	7	5	2	3	3	
		21	1008.3	-	4.2	0.9	7.2	85	5.3	2	7	5	4	13	0		0	0	0	0	1	1	4	8	17	0	0	10	8	12	1	6	3	1	7	5	2	3	3			
8A WALES S																																					
DYFED																																					
ABERPORTH	134	3	1008.1	-	3.7	0.7	7.2	88	5.4	2	6	4	7	13	0		0	0	0	0	0	1	2	5	11	10	6	3	0	5	14	11	1	3	5	2	0	3	12	2	1	4	
		9	1008.1	- 5.6	3.7	0.7	7.1	88	6.1	0	4	4	13	10	0		0	0	0	0	0	2	0	5	13	6	4	0	0	5	18	8	0	2	2	1	2	7	8	2	3	4	5
		15	1007.4	-	4.9	0.9	7.5	86	6.4	0	2	4	15	10	0		0	0	1	0	0	2	1	5	9	11	4	1	0	7	16	8	0	7	1	1	4	3	8	3	1	1	2
		21	1008.3	-	3.8	0.6	7.3	89	5.6	3	5	3	6	14	0		0	0	0	0	0	0	0	5	10	10	4	1	4	7	17	9	0	7	1	1	3	12	1	1	5		
BRAWDY	116	3	1008.5	-	3.6	0.5	7.3	90	6.1	0	3	7	9	12	0		0	0	1	0	1	1	1	2	6	7	10	10	7	1	3	4	12	16	11	0	2	5	2	3	5	7	6	3
		9	1008.4	-	3.8	0.6	7.4	90	6.7	0	2	5	7	17	0		0	0	1	0	0	1	1	2	7	11	7	1	3	2	4	14	11	1	2	5	2	3	2	5	5	4	3	2
		15	1007.5	-	5.1	0.8	7.8	87	6.6	0	2	3	16	10	0		0	0	0	0	0	1	2	3	10	11	2	0	0	4	12	14	1	6	2	2	3	5	4	3	2	3	3
		21	1008.7	-	4.1	0.6	7.5	90	6.0	0	3	9	7	12	0		0	0	2	0	0	1	2	3	10	11	2	0	0	0	1	2	2	5	3	3	5	4	3	3	1	2	6
BRYNAMMAN	-	9	-	-	2.5	0.4	7.0	93	6.5	0	5	2	5	16	3		0	0	0	0	0	2	2	6	6	11	3	0	0	0	1	22	8	2	5	3	1	3	3	7	2	6	5
		15	-	-	4.5	0.8	7.5	87	6.5	0	4	1	13	13	0		0	0	0	0	0	2	6	15	10	5	0	0	0	0	4	17	8	1	3	1	3	3	4	2	2	5	
		21	-	-	2.9	0.4	7.1	93	6.3	2	4	0	10	15	0		0	0	0	0	0	2	6	15	6	2	0	0	0	0	4	17	10	1	3	1	3	3	4	2	2	5	
MILFORD HAVEN	39	3	1008.6	-	4.7	0.5	8.0	92	5.5	5	1	6	4	15	0		0	0	0	0	1	0	0	9	15	5	0	0	0	0	4	12	13	2	3	2	3	7	3	1	2	5	7
C.B.		9	1008.5	- 5.4	4.7	0.5	7.9	91	6.4	0	4	5	5	17	0		0	0	0	0	0	0	0	15	10	8	0	0	0	0	4	13	11	2	5	0	2	3	4	2	3	5	3
		15	1007.7	-	6.2	0.8	8.5	88	6.5	1	1	6	9	14	0		0	0	0	0	0	0	0	11	11	6	0	0	0	0	3	14	12	2	10	2	2	2	3	4	3	3	
		21	1008.7	-	5.1	0.6	8.1	91	5.4	2	2	11	6	10	0		0	0	0	0	0	0	0	8	17	6	0	0															
WEST GLAMORGAN																																					
MUMBLES HEAD	37	3	1009.0	-	4.0	0.6	7.5	90	4.8	4	5	7	5	9	1		0	1	0	1	0	0	1	2	0	2	9	5	13	5	9	5	0	2	3	4	13	13	14	1	1	7	7	4	3	7	2	3	0	0	6	7	1	1
		9	1008.8	-	4.0	0.5	7.5	91	6.2	0	1	4	12	10	1		0	0	1	1	0	0	0	2	0	0	9	7	7	11	13	10	2	4	4	4	13	13	12	2	3	4	5	3	3	7	7	5	2	3	3	3
		15	1008.2	-	5.5	0.9	7.8	85	6.2	1	1	7	9	12	1		0	0	0	0	0	0	0	2	0	0	9	7	7	11	13	12	2	4	4	4	13	13	11	2	3	2	4	2	3	3	4	5	1	2	3	3
		21	1008.8	-	4.4	0.6	7.7	90	5.6	4	4	2	7	14	0		0	0	0	0	0	0	0	2	0	0	9	7	7	11	13	12	0	2	4	4	13	13	10	0	1	2	0	2	3	4	5	3	3	3	3	3

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JANUARY 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT								VISIBILITY								WIND SPEED AND DIRECTION									
									OKTAS																BEAUFORT FORCE									
																									8 OR MORE	6-7	4-5	1-3	CALM					
																									SPEED (KT)									
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 199M	200 - 399M	400 - 999M	1000 - 1999M	2000 - 3999M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
			NUMBER OF OBSERVATIONS																																
8A WALES S -CONTD.																																			
MID GLAMORGAN																																			
CILFYNYDD	195	3	1009.1	-	2.1	0.4	6.7	92	5.9	4	2	3	4	17	1	0	0	0	1	1	1	0	27	1	0	0	0	0	0	3	17	11	0	4	0	2	4	5	2	3
		9	1009.3	-	2.1	0.5	6.7	91	6.3	1	2	5	7	16	0	0	0	0	2	0	0	3	18	8	0	0	0	0	0	9	11	11	1	5	1	3	4	2	3	1
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1009.0	-	2.3	0.4	6.8	92	6.1	6	0	1	5	19	0	1	0	0	0	0	0	26	4	0	0	0	2	3	13	13	2	2	0	1	5	2	3	3
SOUTH GLAMORGAN																																			
RHOOSE	69	3	1009.1	-	3.0	0.5	7.0	90	5.5	5	2	3	8	12	1	0	0	0	2	0	1	5	6	14	3	0	0	10	20	1	0	3	7	2	2	4	7	5
		9	1009.2	- 5.7	2.9	0.5	7.0	91	6.1	0	6	2	11	12	0	0	1	1	0	1	3	5	12	6	2	0	0	10	21	0	2	4	7	3	4	1	6	4
		15	1008.5	-	5.1	1.1	7.4	83	6.2	0	3	4	15	8	1	0	0	0	1	0	0	8	13	9	0	0	0	13	18	0	2	2	2	6	4	2	9	4
		21	1009.1	-	3.4	0.6	7.2	89	5.6	3	4	2	10	11	1	0	0	1	1	0	1	7	10	9	2	0	1	11	19	0	2	5	5	1	6	1	6	5
8B ENGLAND SW																																			
AVON																																			
FILTON	61	3	1009.0	-	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1009.3	- 5.6	2.9	0.5	7.0	91	6.6	0	1	4	18	7	1	0	1	0	0	1	0	1	5	8	9	7	0	0	10	17	4	2	4	2	4	5	1	7	2
		15	1008.5	-	5.2	1.1	7.4	82	6.5	0	1	5	16	9	0	0	0	0	0	0	0	7	14	4	2	0	0	10	21	0	3	3	2	5	4	5	7	2
		21	1009.1	-	3.4	0.6	7.1	89	5.9	4	1	3	12	11	0	0	0	0	1	0	1	4	18	6	1	0	0	0	8	21	2	2	2	3	5	7	2	6	2
SOMERSET																																			
EXTON	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	1.8	0.2	6.8	96	6.4	0	3	5	5	12	6	0	3	1	2	0	2	15	1	4	3	0	1	5	22	3	11	1	0	1	3	1	1	0
		15	-	-	3.3	0.6	7.1	91	6.4	0	2	6	10	10	3	0	2	0	1	0	2	12	4	7	3	0	1	6	22	2	8	3	0	0	8	4	5	1
		21	-	-	2.0	0.2	6.9	96	6.5	2	3	0	6	16	4	0	4	0	0	1	3	7	12	2	2	0	0	9	21	1	10	0	1	1	10	2	5	1
YEOVILTON	23	3	1009.7	-	2.8	0.5	7.1	91	5.2	5	1	7	8	10	0	0	1	1	3	2	11	9	3	0	0	1	3	16	11	1	1	4	5	3	3	2	0
		9	1009.9	-	3.0	0.5	7.2	91	6.1	0	4	5	9	12	1	0	0	3	1	0	4	12	10	1	0	0	1	9	10	11	2	1	2	3	7	1	4	0
		15	1009.3	-	5.9	1.0	8.0	85	6.4	0	2	6	10	13	0	0	0	0	2	0	3	11	10	3	0	0	3	13	11	4	3	3	1	5	6	3	3	3
		21	1009.9	-	3.8	0.6	7.4	90	5.7	6	0	3	8	14	0	0	0	0	2	0	3	11	14	1	0	0	3	7	12	9	0	2	1	3	4	5	4	3
DORSET																																			
HURN	11	3	1009.7	-	2.8	0.5	7.1	92	4.8	4	5	6	6	10	0	0	0	1	1	3	4	6	8	8	0	0	0	8	19	4	3	4	0	2	5	5	5	3
		9	1010.0	-	3.1	0.5	7.2	91	6.0	1	4	2	14	9	1	0	1	1	1	1	5	7	11	4	0	0	1	9	16	5	5	1	1	3	6	2	5	3
		15	1009.5	-	5.9	1.1	7.8	83	6.6	0	2	6	10	12	1	0	0	0	1	0	0	14	8	7	1	0	1	12	18	0	6	2	0	3	7	6	1	6
		21	1010.0	-	3.7	0.6	7.4	91	5.7	4	3	2	7	15	0	0	0	0	0	4	2	9	10	5	1	0	2	8	18	3	5	0	2	2	7	5	7	0
PORTLAND BILL.C.G.	54	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1009.9	-	5.4	0.5	8.4	93	5.9	0	5	5	9	12	0	0	0	0	0	0	0	9	13	9	0	3	1	20	7	0	4	2	1	5	7	3	5	4
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEVON																																			
EXETER	38	3	1009.5	-	3.4	0.5	7.3	91	5.7	4	3	3	6	13	2	0	2	0	1	0	3	6	5	10	4	0	1	6	23	1	4	4	2	5	6	4	2	3
		9	1009.5	- 5.7	3.2	0.5	7.3	91	5.9	0	6	2	13	9	1	0	0	2	1	0	2	9	9	4	4	0	3	5	22	1	3	5	2	3	9	2	5	1
		15	1008.8	-	6.1	1.3	7.7	81	6.8	0	1	3	17	10	0	0	0	0	0	0	0	6	9	9	6	0	2	16	12	1	4	1	0	6	7	2	6	4
		21	1009.6	-	4.0	0.6	7.4	90	6.3	3	3	0	9	15	1	0	1	0	1	0	0	6	11	11	1	0	2	8	20	1	1	2	2	6	6	1	7	5
HARTLAND POINT	93	3	1008.9	-	5.1	0.8	7.7	86	5.8	1	5	6	3	15	1	0	1	0	0	0	0	1	2	8	0	0	5	16	9	1	7	2	2	5	5	4	3	2
		9	1008.6	-	5.3	0.8	7.8	86	6.5	0	2	5	15	9	0	0	0	0	1	0	0	2	8	13	7	0	4	18	9	0	5	2	3	3	5	2	6	5
		15	1008.0	-	6.0	1.0	8.0	85	7.0	0	1	2	15	13	0	0	0	0	1	0	0	5	6	14	5	2	4	13	11	1	6	2	1	3	5	2	5	3
		21	1008.8	-	5.4	0.9	7.8	85	5.7	0	5	7	7	12	0	0	0	0	0	2	0	1	10	10	8	2	6	10	12	1	6	1	5	1	6	3	3	5
MOUNT BATTEN	28	3	1009.5	-	4.4	0.6	7.7	89	5.5	3	5	3	7	11	2	0	1	1	0	0	1	11	12	5	0	0	2	11	16	2	4	1	4	4	4	4	4	2
		9	1009.4	- 5.8	4.7	0.8	7.7	87	5.9	0	6	3	14	8	0	0	0	0	1	1	1	10	12	5	2	0	5	11	14	1	7	1	5	0	6	5	4	2
		15	1008.8	-	7.0	1.4	8.0	79	6.1	0	3	4	15	9	0	0	0	0	0	1	1	10	8	7	5	1	5	10	15	0	5	2	1	1	5	9	4	2
		21	1009.8	-	5.1	0.8	7.8	87	5.2	4	3	7	10	7	0	0	0	0	0	1	2	12	11	5	0	1	4	13	12	1	4	2	6	3	4	3	6	2
PRAWLE POINT	-	3	-	-	-	-	-	-	4.9	5	2	9	4	10	1	0	1	0	0	1	1	4	9	15	0	2	5	16	7	1	4	3	3	0	4	4	8	4
		9	-	-	-	-	-	-	5.8	0	4	7	8	12	0	0	0	2	0	0	1	4	9	15	0	4	6	16	5	0	5	3	2	0	5	6	8	5
		15	-	-	-	-	-	-	5.9	0	3	8	8	12	0	0	0	0	0	0	0	8	9	14	0	5	7	12	5	2	4	1	0	4	5	9	5	6
		21	-	-	-	-	-	-	5.0	5	2	7	7	9	1	0	0	1	0	0	2	3	9	15	1	4	6	13	8	0	6	2	2	1	2	5	7	6
CORNWALL																																			
GWENNAP HEAD	70	3	1009.1	-	6.0	1.0	8.1	85	5.0	3	5	7	3	12	1	0	0	1	0	0	0	2	6	20	2	2	6	18	5	0	3	4	4	1	3	9	10	3
		9	1008.8	-	6.4	1.0	8.3	85	6.2	0	3	5	11	12	0	0	0	0	0	0	0	5	7	17	2	2	6	13	10	0	3	7	1	1	3	10	3	3
		15	1007.9	-	7.2	1.3	8.3	81	6.1	0	2	6	13	10	0	0	0	0	0	0	0	6	8	13	4	2	12	10	7	0	5	5	1	1	3	12	3	1
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST MAWGAN	107	3	1009.5	-	4.6	0.8	7.5	87	5.6	3	3	5	7	13	0	0	0	0	1	0	2	7	6	12	3	1	2	15	12	1	2	4	2	3	9	3	3	4
		9	1009.2	- 5.4	4.9	0.8	7.7	86	6.1	0	3	4	16	8	0	0	0	0	1	0	0	8	8	8	6	1	4	15	10	1	5	3	0	3	10	2	4	3
		15	1008.4	-	6.3	1.2	7.8	81	6.5	0	1	5	16	9	0	0	0	0	0	1	0	2	8	10	2	5	15	7	2	4	3	1	2	7	6	3	3
		21	1009.7	-	5.0	0.8	7.7	86	5.6	3	3	3	13	9	0	0	1	0	0	1	1	6	7	11	4	1	4	12	14	0	5	2	3	5	8	2	2	4
SCILLY	61	3	1009.7	-	6.6	0.9	8.5	86	5.1	0	3	13	7	7	1	0	1	0	0	0	0	2	9	11	8	1	2	19	7	2	4	4	1	0	8	3	4	4
		9	1009.5	- 4.8	7.1	1.1	8.6	84	5.8	0	2	11	8	10	0	0	0	0	0	0	0	5	8	11	7	0	9	13	6	3	8	4	2	0	1	3	5	7
		15	1008.6	-	7.7	1.2	8.8	83	6.0	0	2	7	15	7	0	0	0	0	0	0	0	7	8	10	6	2	7	12	8	2	5	3	1	3	5	4	4	2
		21	1010.5	-	6.8	1.1	8.4	84	4.8	0	8	11	4	7	1	0	0	1	0	0	1	2	7	10	10	1	6	17	6	1	6	4	1	2	5	5	4	3
CHANNEL ISLANDS																																			
GUERNSEY AIRPORT	105	3	1011.1	-	5.4	0.9	7.8	85	5.1	2	7	3	12	7	0	0	1	0	0	0	1	1	8	12	8	0	3	15	11	2	3	3	1	4	7	5	5	1
		9	1011.3	-	5.4	0.9	7.9	86	6.1	0	3	8	10	9	1	0	0	1	0	0	1	4	6	10	9	1	3	16	10	1	2	3	1	4	9	2	6	4
		15	1010.8	-	6.3	1.2	7.9	81	6.0	0	2	8	13	8	0	0	0	0	1	0	0	5	6	11	8	0	6	16	9	0	6	2	0	4	6	2	6	4
		21	1011.4	-	5.5	1.1	7.6	83	6.1	0	6	3	14	8	0	0	0	0	0	3	4	7	13	4	1	3	15	10	2	5	3	0	4	7	4	4	1	2
JERSEY AIRPORT	83	9	1011.3	-	5.1	0.7	7.9	88	5.8	0	3	8	9	11	0	0	0	0	1	1	1	4	2	19	3	0	3	16	12	0	3	3	0	7	9	2	5	3
		15	1010.7	-	6.2	1.1	8.0	83	5.8	0	4	8	10	9	0	0	0	0	0	2	0	4	6	16	3	0	4	15	12	0	3	3	0	6	6	4	6	3
NORTHERN IRELAND																																			
LONDONDERRY																																			
MONEYDIG	35	9	1007.0	-	2.4	0.6	6.6	88	6.2	0	3	5	12	11	0	1	0	0	0	1	4	0	6	19	0	0	1	7	23	0	5	3	3	1	14	0	5	0
		15	1006.5	-	4.3	0.9	7.2	86	5.1	0	6	8	10	7	0	0	0	0	0	1	4	0	4	22	0	0	7	6	18	0	5	2	3	4	8	0	8	1
ANTRIM																																			
ALDERGROVE	73	3	1007.6	-	1.8	0.6	6.3	89	5.5	2	5	4	11	9	0	0	0	0	2	1	0	6	10	8	4	0	1	8	20	2	5	2	3	2	9	3	3	2
		9	1007.8	- 3.8	2.2	0.6	6.5	88	6.5	0	3	4	13	10	1	0	0	0	1	0	0	3	5	10	4	0	1	11	18	1	3	2	3	2	9	4	5	0
		15	1007.3	-	4.1	1.0	6.9	83	6.0	0	5	3	14	9	0	0	0	1	1	0	0	4	11	11	3	0	1	12	17	1	3	3	2	3	8	5	5	1
		21	1008.0	-	2.4	0.6	6.5	88	5.6	2	3	6	8	8	4	0	2	1	1	1	1	9	4	10	2	0	1	10	19	1	2	3	0	7	7	6	1	4
TYRONE																																			
CARRIGANS	112	9	1007.6	-	2.1	0.4	6.7	91	6.3	0	3	4	14	9	1	0	1	0	0	1	1	7	13	7	1	0	0	7	16	8	5	5	1	2	6	5	1	0
		15	1007.1	-	4.5	0.9	7.4	86	5.6	0	2	12	8	9	0	0	0	0	0	2	1	8	12	8	0	0	0	8	18	5	5	1	3	1	5	4	0	2
		21	1007.8	-	2.6	0.4	7.0	92	5.0	5	3	6	7	10	0	0	0	1	0	0	2	6	20	2	0	0	0	7	17	7	5	5	0	1	7	4	1	2

TABLE 5 NUMBER OF DAYS WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS

JANUARY 1977

STATION	MAXIMUM °C								MINIMUM °C								STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0		0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
LERWICK (PSYCHROMETER)	0	21	10	0	0	0	0	0	0	0	0	12	17	2	0	0	CAMBRIDGE BOTANIC GARDENS	1	15	13	2	0	0	0	0	0	0	2	11	16	2	0	0
LERWICK (SCREEN)	0	19	12	0	0	0	0	0	0	0	0	12	17	2	0	0	EDGBASTON	1	18	11	1	0	0	0	0	0	0	0	13	17	1	0	0
STORNOWAY	0	15	15	1	0	0	0	0	0	0	2	9	13	7	0	0	KEW (PSYCHROMETER)	0	14	14	3	0	0	0	0	0	0	2	9	15	5	0	0
CRAIBSTONE	0	19	11	1	0	0	0	0	0	0	2	14	15	0	0	0	KEW (NORTH-WALL SCREEN)	0	14	14	3	0	0	0	0	0	0	0	8	17	6	0	0
ROTHESAY	1	15	14	1	0	0	0	0	0	0	0	12	17	2	0	0	HASTINGS	0	12	19	0	0	0	0	0	0	0	0	8	14	9	0	0
ABBOTSINCH	2	16	12	1	0	0	0	0	0	0	0	7	9	13	2	0	SOUTHAMPTON	0	7	23	1	0	0	0	0	0	0	0	12	9	10	0	0
ESKDALEMUIR (PSYCHROMETER)	6	17	8	0	0	0	0	0	0	3	7	8	13	0	0	0	STONYHURST	1	18	12	0	0	0	0	0	0	0	5	11	15	0	0	0
ESKDALEMUIR (SCREEN)	6	18	7	0	0	0	0	0	0	2	7	9	13	0	0	0	VALLEY	0	8	21	2	0	0	0	0	0	0	0	7	16	8	0	0
DOUGLAS	0	14	17	0	0	0	0	0	0	0	0	8	19	4	0	0	RHOOSE	0	13	17	1	0	0	0	0	0	0	0	10	17	4	0	0
BOULMER	1	16	13	1	0	0	0	0	0	0	1	14	16	0	0	0	FALMOUTH	0	4	21	6	0	0	0	0	0	0	0	7	15	9	0	0
HULL	0	18	12	1	0	0	0	0	0	0	1	11	19	0	0	0	ALDERGROVE	1	14	16	0	0	0	0	0	0	0	3	13	13	2	0	0
GORLESTON	0	11	19	1	0	0	0	0	0	0	1	9	20	1	0	0	ARMAGH	1	15	14	1	0	0	0	0	0	1	16	12	2	0	0	0

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

JANUARY 1977

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED								MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT	HOURS OF NO RECORD		HOURLY WIND			GUST				
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS						VEER FROM N	SPEED-KT	DAY	HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY	TIME
0 SCOTLAND N																					
SHETLAND	LERWICK	93	10	10	9	3	14	156	318	217	50	0	14.5	040	37	9	16	270	57	6	0730
ORKNEY	KIRKWALL AIRPORT	41	15	10	9	2	16	146	356	203	37	0	14.7	030	37	9	19	020	54	9	1906
WESTERN ISLES	BENBECULA	16	10	10		0	15	100	401	181	62	0	13.6	190	33	29	23	200	55	29	2342
	STORNOWAY	12	10	10	4 29 30	3	13	108	349	256	28	0	13.3	210	35	30	00	200	56	30	0000
HIGHLAND	DALCROSS	19	10	10		0	6	19	306	347	72	0	10.2	210	29	5	04	050	43	14	1124
	DOUNREAY	34	12	9	21	1	13	77	294	301	71	0	11.6	140	36	21	10	140	51	21	1006
	DUIRINISH	38	20	17	DEFECTIVE RECORD																
	FORT AUGUSTUS	58	16	16		0	1	1	85	345	313	0	5.1	190	22	30	02	190	38	30	0042
	WICK	45	10	10		0	14	76	367	266	35	0	12.9	040	32	9	20	010	49	9	1936
1 SCOTLAND E																					
GRAMPIAN	ABERDEEN DYCE AIRPORT	68	10	10		0	1	1	261	369	113	0	8.8	200	22	30	03	130	35	21	0630
	FRASERBURGH	29	13	11		0	11	117	364	235	23	5	13.8	070	33	14	09	270	49	6	1606
	KINLOSS	18	13	13		0	6	16	325	341	62	0	10.3	210	27	30	03	200	48	30	0312
	LOSSIEMOUTH	17	10			0	9	32	401	266	45	0	11.9	360	27	9	21	050	47	14	1048
TAYSIDE	BELL ROCK	39	40	38	1 10 13 14 20 21 30	38	22	229	380	83	14	0	19.4	060	41	14	09	060	58	14	0912
	MYLNEFIELD	40	10			0	0	0	95	317	332	0	5.6	030	20	14	09	040	36	14	0642
	TUMMEL BRIDGE	161	16	16		0	0	0	47	357	340	0	4.8	110	19	21	09	240	35	30	0200
FIFE	LEUCHARS	25	13	13		0	6	32	257	374	81	0	9.9	050	30	14	03	050	52	14	0312
LOTHIAN	EDINBURGH TURNHOUSE AIRPORT	43	13	10		0	2	12	246	338	148	0	8.6	040	27	14	09	220	43	30	0842
	ROYAL OBSERVATORY, BLACKFORD HILL	159	10	10	30	6	15	106	393	205	34	0	14.4	200	38	30	09	200	58	30	0806
	FORTH ROAD BRIDGE	72		72	DEFECTIVE RECORD																
6 SCOTLAND W																					
STRATHCLYDE	ABBOTSINCH AIRPORT	16	10	10		0	0	0	198	308	238	0	7.2	030	20	14	10	200	34	30	0648
	ARDROSSAN	24	20			0	12	67	436	184	57	0	13.3	210	33	30	08	200	45	30	0754
	DUNSTAFFNAGE	13	10	10		0	5	15	332	298	92	7	10.4	090	29	21	00	090	44	21	0006
	GREENOCK PORT	51	49			0	10	31	326	270	111	6	10.6	220	26	30	06	220	46	30	0548
	INCHTERF	40	12			0	2	15	179	276	274	0	7.0	020	25	14	13	020	41	14	1324
	LOWTHER HILL	754	27		DEFECTIVE RECORD																
	MACHRIHANISH	22	12	12	20 21	14	16	109	354	220	47	0	14.4	130	43	21	06	130	59	21	0706
	PAISLEY	57	25	9		0	1	1	144	294	305	0	5.9	200	22	30	06	200	42	30	0612
	PRESTWICK AIRPORT	21	10	10		0	5	9	296	271	168	0	9.1	010	23	14	11	140	40	21	0718
	TIREE	24	16	12	10 18 20 21 30	17	20	230	366	114	17	0	17.9	110	39	21	07	120	53	21	0748
DUMFRIES AND GALLOWAY	ESKDALEMUIR	259	10	10	7	2	5	29	229	286	198	0	8.6	290	35	7	07	020	51	14	0412
	WEST FREUGH	25	10	10	DEFECTIVE RECORD																
2 ENGLAND E & NE																					
NORTHUMBERLAND	BLYTH	19	10	10	1 13 14	8	6	39	288	340	44	25	10.9	090	36	14	00	110	51	13	2200
	BOULMER	33	10	10	14	1	7	45	248	380	70	0	10.4	060	35	14	00	060	51	14	0042
TYNE AND WEAR	SOUTH SHIELDS	22	17	13	1 13 14	6	5	47	298	334	54	5	11.0	340	37	1	15	350	49	1	1506
CLEVELAND	SOUTH GARE	22	14	15	1 4 13 14	24	17	116	390	172	25	17	15.7	100	47	13	23	100	62	13	2336
DURHAM	DURHAM	119	16	10		0	0	0	190	331	145	78	7.6	080	20	13	23	080	43	14	0054
NORTH YORKSHIRE	LEEMING	42	10	10		0	0	0	258	377	109	0	8.6	340	21	1	18	070	33	13	2124
	LINTON-ON-OUSE	23	9	10		0	2	6	149	410	147	32	7.7	250	25	26	03	250	41	26	0300
	SILPHO MOOR	207	15	9		0	0	0	117	389	227	11	6.2	350	19	1	18	330	41	1	2106
LINCOLNSHIRE	BINBROOK	118	10	10		0	5	28	380	295	41	0	11.4	250	33	26	04	250	51	26	0330
	CONINGSBY	16	10	10		0	5	26	259	348	111	0	9.3	240	30	26	04	250	44	25	2354
	CRANWELL	68	13	13	26	1	5	18	383	290	51	1	11.1	240	34	26	02	250	48	25	2342
	SCAMPTON	68	10	10		0	4	16	293	361	74	0	9.8	100	31	13	17	240	45	26	0300
	WADDINGTON	80	10	10	13	1	5	32	304	344	63	0	10.5	100	34	13	17	240	53	25	2336
3 EAST ANGLIA																					
NORFOLK	COLTISHALL	27	10	10		0	3	16	241	388	99	0	8.9	220	30	26	00	220	48	26	0024
	GORLESTON	16	13	13	13 26	6	10	51	247	330	80	30	10.8	150	37	13	18	260	63	26	0048

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

JANUARY 1977

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED								MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT	HOURS OF NO RECORD		HOURLY WIND				GUST			
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS						VEER FROM N	SPEED-KT	DAY	HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY	TIME
3 EAST ANGLIA - CONTINUED																					
	MARHAM	29	10	10		0	3	14	234	328	168	0	8.3	230	30	26	00	220	48	25	2348
CAMBRIDGESHIRE	WITTERING	83	10	10		0	3	19	339	323	63	0	10.4	200	29	25	19	250	46	25	2318
	WYTON	45	10	10		0	3	11	198	448	87	0	8.6	220	26	25	23	210	43	25	2236
SUFFOLK	HONINGTON	60	13	13		0	3	14	256	361	113	0	9.0	230	30	26	00	210	53	25	2342
	WATTISHAM	105	17	10	26	1	4	23	380	296	44	0	11.1	240	34	26	00	220	53	25	2306
BEDFORDSHIRE	BEDFORD	94	13	9		0	3	17	219	431	77	0	8.8	200	30	25	19	230	44	25	2254
	CARDINGTON	70	41	41	25 26	5	4	23	319	315	82	0	10.3	210	41	25	22	210	59	25	2306
HERTFORDSHIRE	GARSTON	94	15	10		0	2	2	45	495	202	0	5.5	250	23	25	23	230	49	25	2148
	ROTHAMSTED	141	13	10																	
ESSEX	SHOEBURYNESS	17	14	12		0	3	21	259	404	60	0	9.5	220	32	25	19	220	55	25	2254
	STANSTED	108	10	10		0	3	16	199	438	91	0	8.5	250	30	26	00	220	51	25	1842
4 MIDLAND COUNTIES																					
SOUTH YORKSHIRE	FINNINGLEY	19	10	10	DEFECTIVE RECORD																
	SHEFFIELD UNIVERSITY	146	29	15	26	1	2	5	186	397	155	0	8.0	250	34	26	01	250	66	26	0212
NOTTINGHAMSHIRE	WATNALL	130	13	10		0	3	9	210	420	105	0	8.3	090	26	13	16	230	49	25	2318
STAFFORDSHIRE	KEELE	215	15	10		0	0	0	93	392	259	0	5.7	050	20	27	23	250	44	25	2212
SALOP	SHAWBURY	84	12	10		0	2	6	200	388	150	0	7.9	250	26	25	23	100	38	13	1418
WEST MIDLANDS	BIRMINGHAM EDGBASTON	196	36	22		0	1	1	143	368	215	17	6.8	250	22	26	02	260	41	25	2154
	ELMDON AIRPORT	104	10	10		0	2	3	192	412	137	0	7.8	240	24	25	22	250	43	25	2200
HEREFORD & WORCS	PERSHORE	47	10	10		0	5	17	228	346	153	0	8.4	200	28	25	18	210	47	25	1642
OXFORDSHIRE	BENSON	60	10	10		0	3	19	224	295	206	0	8.0	200	30	25	18	200	50	25	1848
	BRIZE NORTON	91	13	10		0	2	8	185	418	133	0	7.8	220	25	25	18	220	45	25	1842
	OXFORD					0	4	19	239	358	128	0	9.2	200	33	25	22	180	58	25	2130
5 ENGLAND SE & CENTRAL S																					
GREATER LONDON	HEATHROW AIRPORT	34	10	10		0	1	6	156	436	146	0	7.3	220	28	25	17	210	48	25	1748
	KEW	28	23	15		0	1	8	164	325	247	0	6.6	220	29	25	21	210	55	25	1942
	LONDON WEATHER CENTRE	93	70	38		0	2	8	177	485	74	0	8.4	210	28	25	21	210	53	25	2148
	POST OFFICE TOWER		174		13 25 26	13	20	152	439	136	4	0	16.9	240	47	25	21	240	68	25	1954
WILTSHIRE	BOSCOMBE DOWN	130	17	17	25	3	4	14	272	380	75	0	9.7	210	35	25	17	210	53	25	1718
	LARKHILL	145	13	10		0	1	9	179	414	142	0	7.6	230	27	25	21	220	50	25	1630
	LYNEHAM	159	14	11		0	4	13	223	414	94	0	8.6	230	29	25	21	240	49	25	2136
	PORTON	120	10	10	25	5	8	24	246	317	151	1	9.4	210	37	25	17	210	58	25	1742
KENT	DUNGENESS	16	10	10	DEFECTIVE RECORD																
	ISLE OF GRAIN	15	12	10	25 26	7	4	21	282	329	105	0	9.7	220	37	25	22	220	62	25	2124
	DOVER	27	21	18	1 13 14 25 26	31	14	125	373	175	37	3	15.8	240	54	25	23	240	72	25	2242
	MANSTON	62	18	18	13 25 26	13	8	36	376	278	41	0	12.3	210	42	25	21	230	62	25	2330
HAMPSHIRE	CALSHOT	15	13	10	13 25	9	10	43	344	260	84	4	11.8	150	39	13	12	240	60	25	2036
	FARNBOROUGH	75	10	10	DEFECTIVE RECORD																
	MIDDLE WALLOP	94	10	10	DEFECTIVE RECORD																
WEST SUSSEX	GATWICK AIRPORT	69	10	10	25	2	3	14	200	322	206	0	8.0	230	35	25	21	240	59	25	2148
	THORNEY ISLAND	16	10	10	DEFECTIVE RECORD																
7A ENGLAND NW & I O M																					
CUMBRIA	CARLISLE	41	13	9																	
	GREAT DUN FELL	857	10	10	DEFECTIVE RECORD	0	2	6	209	365	164	0	7.8	080	24	13	20	060	46	14	0106
	MOOR HOUSE	595	13	12	DEFECTIVE RECORD																
	SELLAFIELD	25	12	11		0	2	5	228	369	142	0	8.3	130	22	21	05	060	37	14	0324
LANCASHIRE	FLEETWOOD	34	15	9	26	1	4	18	417	259	49	0	11.6	260	34	26	02	260	53	26	0254
	SQUIRES GATE AIRPORT	22	12	11		0	3	16	292	350	86	0	9.7	270	33	26	02	260	50	26	0200
MERSEYSIDE	AIGBURTH	38	23	11		0	2	6	249	342	147	0	8.6	250	29	26	01	250	47	26	0006
	SPEKE AIRPORT	30	10	10		0	4	14	228	356	146	0	8.5	270	29	26	02	260	49	26	0054
GREATER MANCHESTER	MANCHESTER RINGWAY AIRPORT	80	10	10		0	4	12	288	312	132	0	9.2	260	28	26	02	260	50	26	0212
	WEATHER CENTRE	82	45	17	26	1	2	6	136	419	182	0	7.2	270	34	26	02	280	53	26	0300
ISLE OF MAN	POINT OF AYRE	20	10	10	21	2	18	116	405	189	32	0	15.0	130	35	21	03	040	52	14	0200
	RONALDSWAY	25	10	10	26	1	13	137	330	216	60	0	13.9	300	34	26	00	300	51	26	0018
7B WALES N																					
GWYNEDD	VALLEY	26	16	12	4 21 25 26	10	18	150	315	232	37	0	14.9	160	39	21	03	270	56	25	2242
8A WALES SOUTH																					
DYFED	ABERPORTH	144	10	10	14	4	13	118	437	160	25	0	14.9	340	35	14	17	340	48	14	1948
	BRAWDY	121	10	10	14	1	9	68	367	267	41	0	12.5	330	35	14	12	330	50	14	1206
	MILFORD HAVEN	47	10	10		0	10	74	319	294	50	7	12.0	120	30	20	16	110	53	13	1042
WEST GLAMORGAN	PORT TALBOT	28	12	11		0	5	34	218	314	178	0	8.5	100	32	13	11	100	54	13	1136
MID GLAMORGAN	CILFYNYDD	210	16	16		0	3	12	167	341	221	3	7.4	230	33	25	18	230	57	25	1754
SOUTH GLAMORGAN	RHOOSE AIRPORT	74	10	10		0	4	11	239	374	120	0	8.9	250	27	25	20	250	44	25	2030
8B ENGLAND SW																					
AVON	AVONMOUTH	28	19	10		0	4	14	260	298	168	4	9.0	250	30	25	21	250	46	25	2118
SOMERSET	YEOVILTON	22	12	10		0	5	44	221	286	177	16	8.9	230	33	25	17	230	58	25	1736
DORSET	HURN AIRPORT	23	13	11		0	2	17	235	299	193	0	8.3	220	32	25	20	220	54	25	2006
	PORTLAND BILL CG	60	13	13	13-15 25	42	15	86	401	181	23	11	15.6	150	46	13	10	250	65	25	2012
DEVON	MOUNT BATTEN	64	13	13	13 25	7	8	92	286	246	113	0	11.9	250	46	25	17	240	67	25	1700
CORNWALL	CULDROSE				25	5	13	98	295	260	86	0	12.2	220	47	25	18	220	72	25	1836
	LIZARD	96	23	18	13-15 20 21 25 27	56	19	175	360	122	22	9	18.4	250	56	25	18	250	78	25	1812
	ST MAWGAN	120	13	13	13 14 25	21	12	102	341	239	41	0	13.9	270	39	25	19	260	63	25	1900
	SCILLY(ST MARYS)	70	20	17	13-15 20 25 27	45	15	138	374	125	62	0	16.1	240	46	25	15	230	68	25	1442
CHANNEL ISLANDS																					
	GUERNSEY AIRPORT	111	11	10	13 25	11	7	91	353	242	47	0	13.2	210	40	13	18	210	60	13	1818
	JERSEY AIRPORT	94	12	10	13-15	26	7	57	333	295	33	0	13.2	260	38	14	00	260	59	13	2248
NORTHERN IRELAND																					
LONDONDERRY	COLERAINE UNIVERSITY	33	10	10		0	5	22	254	297	171	0	8.9	140	26	21	05	130	41	21	0512
ANTRIM	ALDERGROVE	80	10	10		0	2	19	268	336	121	0	9.3	340	29	25	19	130	52	21	0354
	BALLYPATRICK FOREST	166	13	13	21	1	11	58	403	203	79	0	12.3	130	37	21	04	140	55	21	0454
	BELFAST HARBOUR	21	18	18	14 25	6	12	88	292	210	137	11	11.9	330	35	25	19	010	59	25	1712
DOWN	KILKEEL	36	19	14	DEFECTIVE RECORD																
	ORLOCK HEAD	51	16	12	13 14 20 21 25-27	46	19	169	333	153	20	23	17.1	330	47	25	20	330	71	25	1954
TYRONE	CARRIGANS	129	10	10		0	1	1	161	312	252	18	6.6	120	24	21	03	120	47	21	0318
FERMANAGH	CASTLE ARCHDALE FOREST	80	13	13		0	0	0	250	310	182	2	8.0	090	20	21	01	090	39	21	0236

TABLE 3 ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)											BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY		PRECIPITATION		SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN BELOW 0 DEG C	CONCRETE MIN BELOW 0 DEG C	GALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE	0.2 MM OR MORE	1.0 MM OR MORE													
1975	JUNE	FINNART											72	65			9	6													
	NOVEMBER	DUNDEE CG											31	44	8	15	11	7													
1976	MAY	ARBROATH	12.0		9.5																										
1976	AUGUST	BATH		12.4	18.1				6.0	1																					
		NETTLECOMBE	(23.3)		(16.6)		27.5	22																							
		WINFRITH		10.2	17.1																										
		FALMOUTH	22.0	13.9	17.9	+1.8	27.1	26	10.0	1			12	14	5	30	4	3	0	0	0	0	1	0	0	0		0	(9.05)	(145)	
	SEPTEMBER	GLENMORE LODGE																								6					
		BLAIRGOWRIE									13.0		106	151																	
		ROSLIN																											1.72		
		STANHOPE FARM											144	133			15	13													
		WAUCHOPE	14.7																												
		GIRVAN		9.8	13.1																										
		HELENSBURGH								16																					
		FALKIRK (SEWAGE WORKS)	15.7																										3.63		
		PENWHIRN																													
		COCKLE PARK											190																		
		MALHAM TARN									12.0																				
		WHITBY (COASTGUARD)											104				19	11													
		YORK (HESLINGTON)											127	234			15	13													
		GORLESTON							7.1	18																					
		SCOLE													21		15	11													
		BOXWORTH		9.7																											
		CAMBRIDGE BG											67	146			17	11													
		EAST BERGHOLT											76	163	16	10															
		LUTON												177																	
		WOBURN	17.5	9.2	13.3	-0.4	23.1	7	2.6	18	14.3	14.6	93	175	27	28	14	11	0	0	0	0	1	0	0	5		0	3.49	78	
		HARLOW												161									3								
		SOUTHEND											82	161			19	16													
		STANFORD-LE-HOPE											103																		
		MORLEY	16.6						5.5	19																					
		OSWESTRY												331																	
		SHREWSBURY									14.3																				
		BIRMINGHAM KES											148	243																	
		COVENTRY AIRPORT							4.0	18																					
		BUGBROOKE MILLS							5.4	7																					
		PRESTON WYNNE												339			17														
		AYLESBURY			13.7	-0.2																									
		MEDMENHAM		8.7	13.3																					3					
		DUNGENESS											151	251																	
		HERNE BAY											145				18	16													
		LITTLEHAMPTON	17.9	11.2	14.5	-0.4	20.8	3	6.8	14		17.0	133	211	25	13	15	13	0	0	0	0	0	0	0			0	5.23	97	
		ROGATE											144				17	13													
		BEXHILL	17.8	11.9	14.9	-0.2	21.1	1	8.0	3			132	200	18	17	18	15	0	0	0	0	4	0	0	0		1	5.21	100	
		PLUMPTON						8																							
		CARTMEL					20.5	1	1.1	3,13																					
		GRIZEDALE		(6.4)																						9					
		MOOR HOUSE																								4					
		NEWTON RIGG	15.2	8.4	11.8	-0.3	19.8	26	1.3	3	13.1		116	119	20	27	16	13	0	0	0	0	2	0	0	4		1	2.17	58	S
		SELLAFIELD							1.2																						
		AIGBURTH							4.1	13																					
		ST HELENS							4.0	13															0						
		ABER	16.5	10.5	13.5		21.0	26,27	6.0	18		13.9	197		45	11	17	15	0	0	0	0	1	0	0	0		0	2.34		
		LLYN ALAW		9.8					5.0	17																					
		BWLCHGWYN							3.8	2	11.0																				
		LAKE VYRNWY									12.1																				
		CARMARTHEN											134	107																	
		ORIELTON			13.1																										
		TRAWSCOED	16.7	8.2	12.5		21.3	20	0.7	3	13.9		122	109	22	10	19	16	0	0	0	0	1	1	0	8		0	3.03	76	
		WHITECHURCH																										4			
		USK	(18.0)	5.5	(11.7)	(-1.8)	23.3	7	0.6	18	15.0		230	256	45	26	16	12	0	0	0	0	0		0	1		0	3.69	95	
		CANNINGTON																								0					
		HAWKRIDGE															21	18											(3.14)		
		PORTLAND BILL CG											147				16	12													
		ILFRACOMBE	17.9																												
		GWENNAP HEAD																										0			
	OCTOBER	COCKLE PARK																											2.57		
		SEAHOUSES											97	176			23	22													
		STONEHAUGH																						6							
		DURHAM																						0							
		MALHAM TARN							1.3	31																					
		ALDEBURGH																											(12.06)		
		HAUGHLEY																								(9)					
		WOBURN	13.8	7.8	10.8	+0.5	18.8	11	1.0	24	12.1	13.4	108	204	13	3	25	22	0	0	0	0	0	0	0	3		0	1.45	44	
		ALDENHAM SCHOOL	14.1										91	179			23	17													
		WRITTLE											116				27	23													
		NEWTHORPE									10.7																				
		KEELE									12.2																				
		SHIPSTON-ON-STOUR										13.1																			
		BUGBROOKE MILLS											108	166	14	3	22	18	0	0	0	0	0	5	0	2		1			
		LETCOMBE REGIS	14.0	7.5	10.7		18.7	1	0.7	31	12.8		112	172				17													
		MEDMENHAM													12	3	(23)	(19)													
		HARROW WEALD																											1.60		
		WEALDSTONE												146																	
		GILLINGHAM	14.7	9.0	11.9		20.0	9	5.0	17,21	13.2		100		16	14	27	17	0	0	0	0	0	0	0	0		0	2.47	66	
		HERNE BAY												238																	
		SANDOWN											177																		
		NORTH HEATH																													
		ROGATE	14.3		11.3		19.0	11																							

Averages for 1941-70 were brought into use on 1-1-1974. Additions or corrections for months prior to this date refer to the averages in use at the time.

(x) Urban rooftop site.

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MONTHLY WEATHER REPORT

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FEBRUARY 1977

VOLUME 94 NUMBER 2

Mostly very wet, with some snow.

A succession of fronts moved east or north-east across all districts until the 9th. A complex area of low pressure then developed over the British Isles with an almost stationary occlusion lying across central districts from the 10th to the 12th. Frontal systems from the Atlantic again affected all areas between the 13th and the 19th. A depression to the west of Ireland then moved to the south-western approaches, while an occlusion moved northwards to southern Scotland. High pressure became established over Iceland on the 23rd and the occlusion returned southwards during the next few days, as a ridge developed over the British Isles. The anticyclone moved to north-west France at the end of the month and fronts affected western Britain on the 28th.

Weather

Except in northern Scotland, February was wet, with outbreaks of rain or wintry showers and some thunderstorms. The month was cold at first and there was snow in the north,but it then became mild for a time in most districts. Northern areas had a cold spell in the second week and snow fell in the Scottish Highlands. Fog was occasionally persistent during the first first half of the month. The unsettled weather continued, with gales in the south on the 18th and prolonged heavy rain in the Midlands between the 20th and 24th. Temperatures fell in northern areas from about the 21st and some heavy falls of snow occurred in the Pennines. It became colder generally towards the end of the month, with long sunny periods in many places and scattered wintry showers.

Wind

Winds were frequently fresh or strong on western and northern coasts and reached gale force at times in exposed places. On the night of the 2nd/3rd the high-level stations at Snaefell (Isle of Man) and Lowther Hill (Strathclyde) recorded gusts of 76 and 75 kt respectively. Gales were severe in western and southern coastal districts of England and Wales on the evening of the 18th, with gusts reaching at least 60 kt in places. Directions were mostly between south and south-west in the first week, but gradually became east to north-east in northern districts. Winds were variable in direction between the 13th and 19th, but a marked contrast then developed, with south-westerlies over southern Britain and east to north-easterlies in the north. The easterly winds gradually spread southwards and directions were mainly south-easterly during the last few days.

Temperature

Monthly mean temperatures were above average in England, Wales, the Isle of Man, southern Scotland and southern counties of Northern Ireland, and were below average elsewhere. Differences from the normal ranged from about +2.5°C in parts of southern England to about -0.5°C in central and northern Scotland. After a cold start it became mild in most districts until the 9th. Northern areas had a brief cold spell in the second week, when the temperature fell to -15.6°C at Keith (Grampian Region) on the night of the 12th/13th. It remained mild by day in many districts until the 19th, and on the 20th temperatures in southern England reached or exceeded 13°C at several places, but colder weather gradually spread southwards and the last few days of the month were generally rather cold. Occurrences of air frost during February were minimal in many coastal districts and a number of places along the coasts of southern England and South Wales did not record any.

Rainfall (including melted snow)

Rainfall totals in the Highland Region of Scotland and in the Northern Isles contrasted sharply with amounts recorded elsewhere. Some places on the north-western mainland measured only about 40 per cent of their normal rainfall, but monthly totals were above normal almost everywhere else in the United Kingdom and exceeded 200 per cent in many parts. Over three times the normal amount of rain fell along the coastal strip of eastern Scotland from Stonehaven to Fife, and some places in North Wales and in the Severn and Avon valleys also recorded about 300 per cent of average. The wettest area, where rainfall exceeded 400 per cent of the normal, was in Nottinghamshire and Derbyshire. The copious rainfall caused severe flooding in many districts and there were few dry days during the month in England and Wales. Many places in eastern Scotland and in the Midlands had their wettest February on record: in Nottingham it was the wettest since at least 1888.

Snow

Snow and sleet fell mainly at the beginning of the month, between the 10th and 13th and at times from the 20th onwards. Most of the snow fell in northern areas and in the Welsh mountains, but snow and sleet spread into central England in the last week. Depths of 20 to 30 cm were measured in undrifted snow at several places in the Scottish mountains on the 11th and 12th, and high ground was snow covered throughout the month. In northern England, where depths were very varied, 30 cm were recorded at Great Dun Fell (857 m) in Cumbria on the 23rd, and Thornton Moor (363 m) in West Yorkshire reported 61 cm on the 25th. Snow depths were mostly minimal in southern England.

Sunshine

Monthly sunshine totals were above average along much of the coastal strip of eastern England and in a broad belt from south-east England to the Severn Estuary. The Channel Islands, the Isles of Scilly and the north Welsh coast also had more sunshine than is usual in February, but remaining areas of England and Wales had less than the normal. In Scotland, sunshine totals were above average in a band from the Firth of Clyde to the southern shore of the Firth of Forth, over most of the Highland Region and also in the Outer Hebrides and the Northern Isles. Values were below average elsewhere in Scotland. In Northern Ireland, where sunshine was less than 70 per cent of average, it was the dullest February since 1954, but in London and in parts of north-west Scotland totals exceeded 150 per cent of the normal.

Fog

Most of the fog which formed during the month occurred during the first two weeks. The fog was sometimes dense and freezing and it persisted in the Central Lowlands of Scotland and in Northern Ireland on the 8th and in parts of southern England and the Midlands on the 15th. Coastal fog was sometimes reported, but hill fog, which was often associated with precipitation, occurred fairly frequently until mid-month and was extensive locally. Patches of overnight fog occasionally developed during the second half of the month.

Miscellaneous Phenomena

The aurora was observed in Scotland on 3 nights.

Table 1 District values

District	air temperature °C					mean 30-cm earth temp °C	rain-days	rainfall	sun-shine
	Highest Max *	Lowest Min.*	max.	min.	mean				
			difference from average					% of average	
0 Scotland N	9.0	-5.6	-0.5	0.0	-0.2	-0.5	-1	86	116
1 Scotland E	10.5	-12.3	-0.4	+0.1	-0.1	0.0	+3	179	100
2 England E & NE	11.3	-5.6	+0.5	+1.2	+0.9	+0.6	+7	206	90
3 East Anglia	12.0	-5.5	+1.7	+1.8	+1.8	+1.2	+7	193	103
4 Midland Counties	12.0	-5.3	+1.1	+1.4	+1.3	+0.7	+9	265	90
5 England SE & Central S	12.7	-5.1	+2.2	+2.2	+2.3	+1.3	+8	192	119
6 Scotland W	9.0	-9.3	-0.2	+0.4	+0.1	-0.2	+3	135	92
7 England NW & Wales N	10.8	-7.5	+0.4	+1.2	+0.8	+0.4	+7	197	83
8 England SW & Wales S	13.1	-2.8	+1.6	+2.0	+1.8	+1.0	+9	225	97
N Ireland	10.1	-5.5	-0.3	+0.2	0.0	-0.2	+4	219	68
Scotland	10.5	-12.3	-0.4	+0.2	-0.1	-0.2	+2	133	103
England & Wales	13.1	-7.5	+1.3	+1.6	+1.5	+0.9	+8	213	97

*Highest maximum and lowest minimum of District Value Stations.

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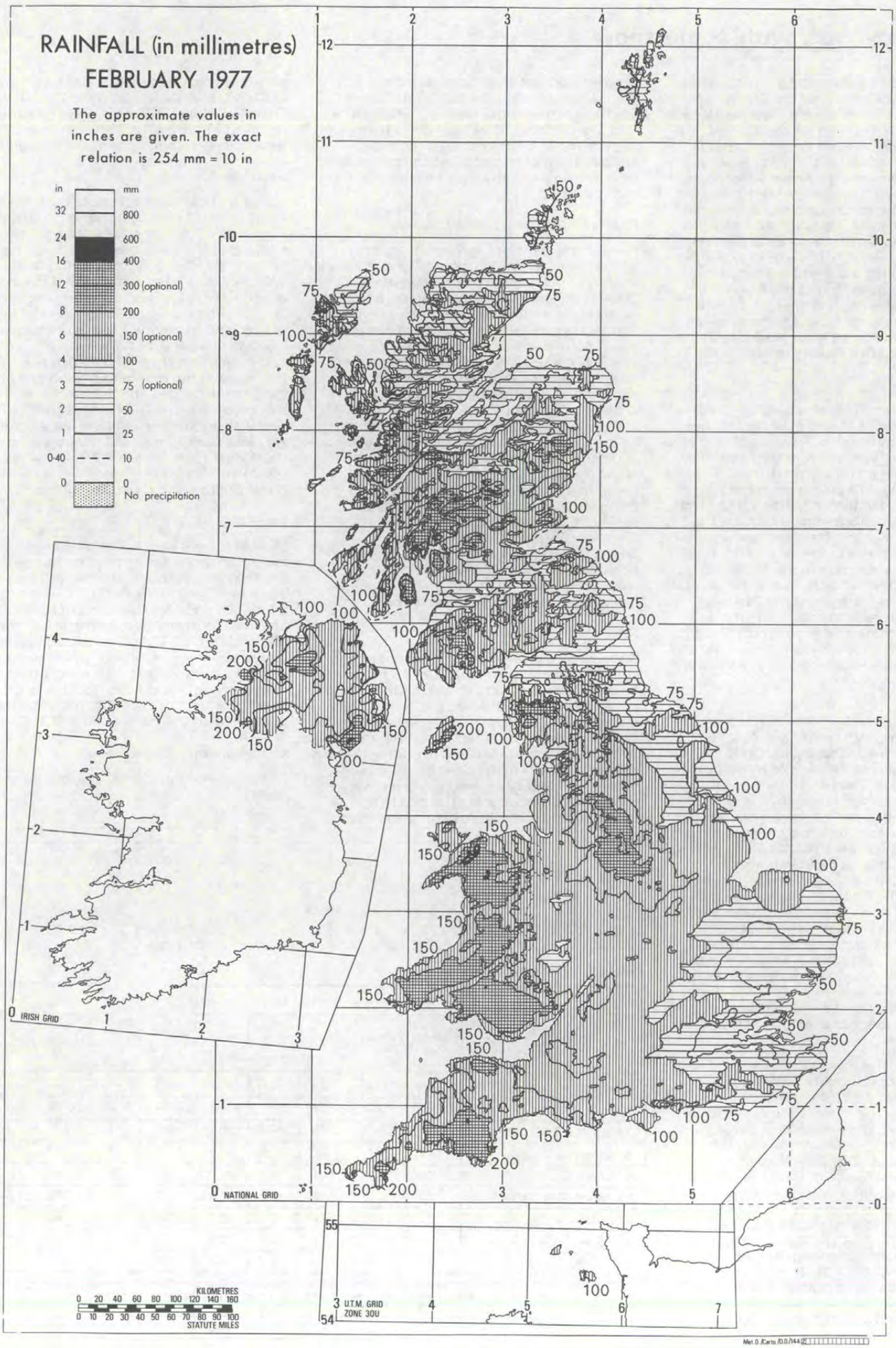
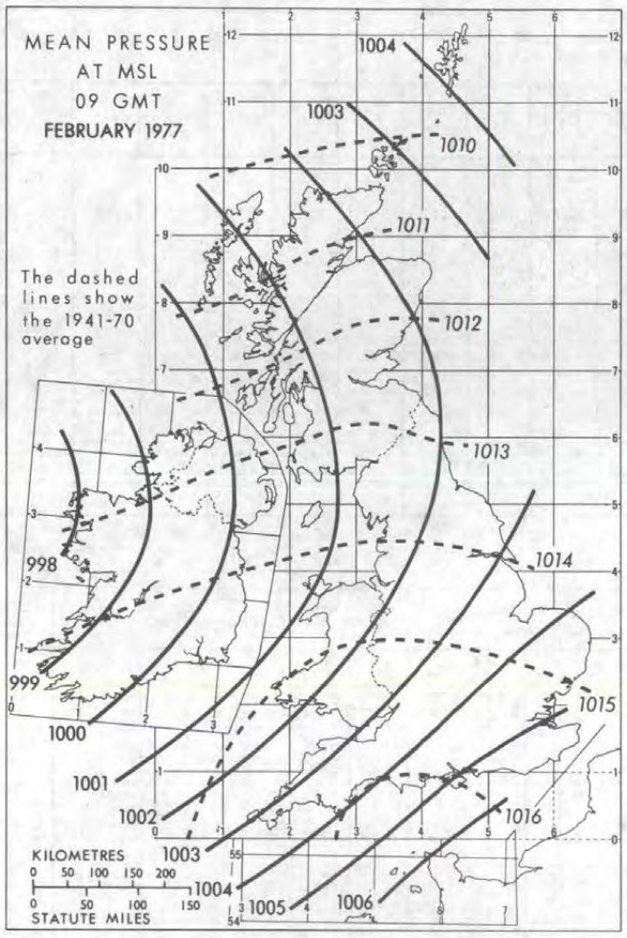
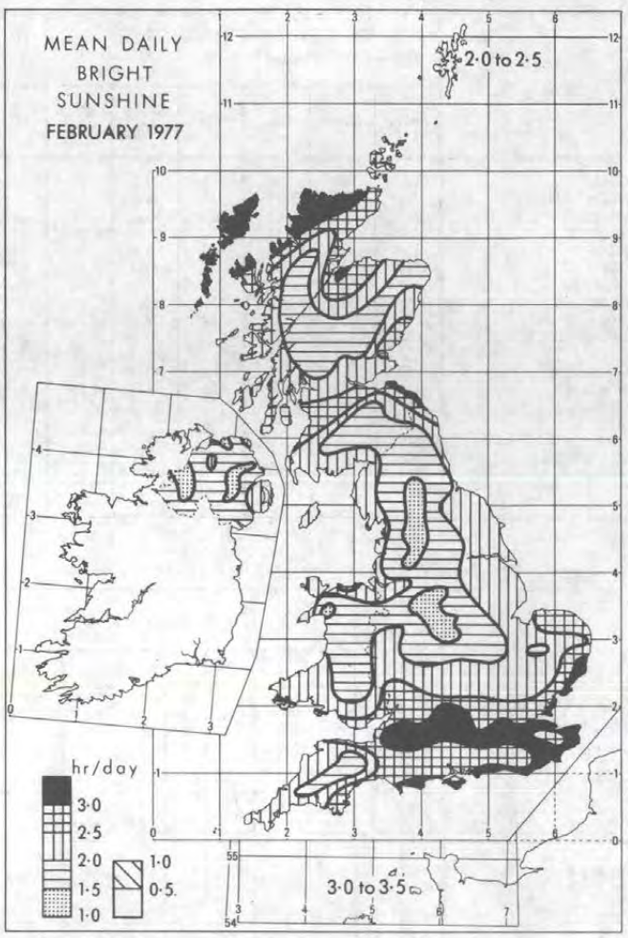
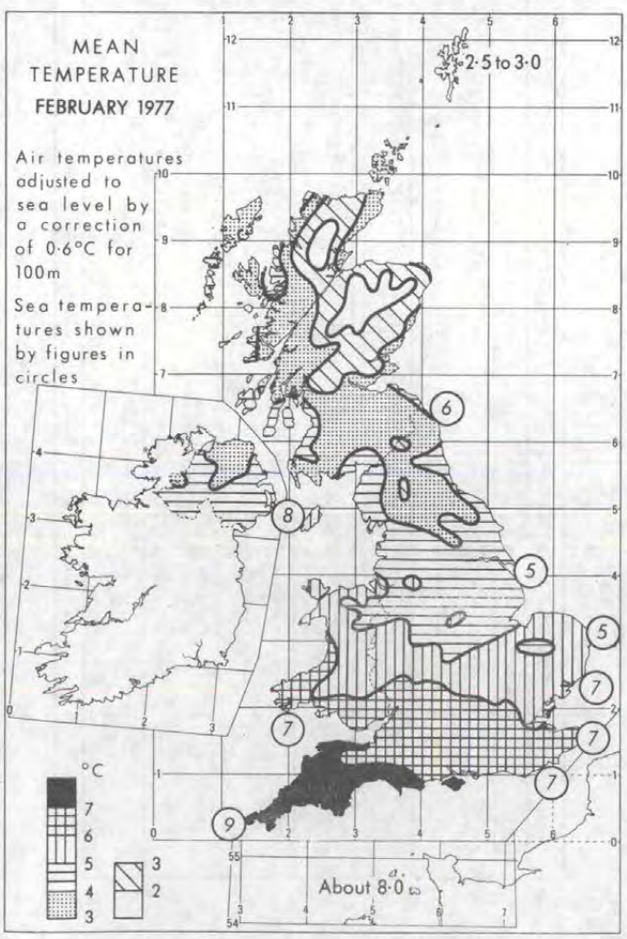

RAINFALL (in millimetres)
FEBRUARY 1977
The approximate values in inches are given. The exact relation is 254 mm = 10 in
in
mm
32
800
24
600
16
400
12
300 (optional)
8
200
6
150 (optional)
4
100
3
75 (optional)
2
50
1
25
0·40
10
0
0
No precipitation
IRISH GRID
NATIONAL GRID
U.T.M. GRID ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES


MEAN PRESSURE AT MSL 09 GMT FEBRUARY 1977
The dashed lines show the 1941-70 average
1004
1003
1010
1011
1012
1013
1014
1015
1016
998
999
1000
1001
1002
1003
1004
1005
1006
KILOMETRES
0 50 100 150 200
0 50 100 150
STATUTE MILES


MEAN DAILY BRIGHT SUNSHINE FEBRUARY 1977
2·0 to 2·5
3·0 to 3·5
hr/day
3·0
2·5
2·0
1·5
1·0
1·0
0·5


MEAN TEMPERATURE FEBRUARY 1977
Air temperatures adjusted to sea level by a correction of 0·6°C for 100m
Sea temperatures shown by figures in circles
2·5 to 3·0
About 8·0
°C
7
6
5
4
3
3
2

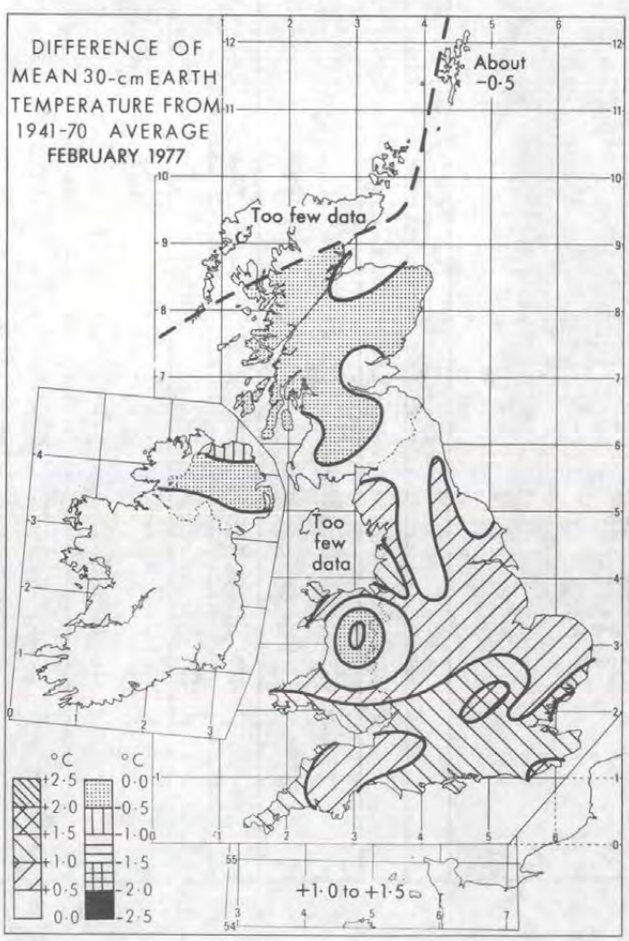

DIFFERENCE OF MEAN 30-cm EARTH TEMPERATURE FROM 1941-70 AVERAGE FEBRUARY 1977
About −0·5
Too few data
Too few data
0
+1·0 to +1·5
°C
+2·5
+2·0
+1·5
+1·0
+0·5
0·0
°C
0·0
0·5
1·0
1·5
2·0
2·5

TABLE 2 SOLAR RADIATION AND ILLUMINATION

FEBRUARY 1977

STATION	GLOBAL RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						DIFFUSE RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						GLOBAL ILLUMINATION ON A HORIZONTAL SURFACE (KILOLUX-HOURS)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	180	25	8	18	75.5	26	82	23	8	7	46.3	26	201	25	11	7	83.4	26
ABERDEEN UNIVERSITY	263	28	13	10	84.8	28												
ESKDALEMUIR	265	28	8	10	94.4	28	112	25	8	10	59.7	28	326	28	15	10	108.9	28
ABERPORTH	258	27	28	18	135.1	27	145	22	27	18	89.9	27						
CARDINGTON	279	26	38	9	112.9	25	133	22	35	9	83.8	25						
SILSOE	329	28	33	9	129.3	28	129	21	33	9	84.7	28						
ROTHAMSTEAD	332	28	28	9	126.5	28												
GARSTON	330	28	28	9	129.7	28												
WALLINGFORD	298	28	31	2	133.5	28												
LONDON WEATHER CENTRE	324	28	26	9	121.4	27	201	14	26	9	94.5	27	379	28	40	9	168.2	27
KEW	332	28	32	9	136.9	26	139	23	32	9	84.1	26	378	28	43	9	165.1	26
EASTHAMPSTEAD	332	28	40	9	141.2	28	187	1	24	2	91.5	28	378	28	53	18	171.8	28
EAST MALLING	322	28	35	3	129.3	28												
RUSTINGTON	327	28	31	2	141.8	28												
EVERTON	240	19	23	2	129.2	28												
WAREHAM	325	26	25	18	146.5	28												
JERSEY AIRPORT	295	25	25	4	157.4	28	149	28	25	4	90.4	28	372	25	37	4	204.8	28
ALDERGROVE	238	16	27	11	102.8	24	135	26	25	11	71.7	24	285	16	36	11	123.8	24

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

FEBRUARY 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(GMT) OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. C BELOW 0 DEG C	CONCRETE MIN. C BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
0 SCOTLAND N																															
SHETLAND																															
BALTASOUND	9 9	24	4.8	0.1	2.5	-0.6	6.6	3	-4.3	13	3.0	-	94	95	21	14	23	18	13	1	0	2	0	0	12	-	-	0	1.88	120	-
FAIR ISLE	9 9	57	5.0	2.4	3.7	-	7.5	6	-1.4	12	3.7	4.6	47	-	6	15	21	13	14	1	5	12	0	1	3	20	-	7	2.57	-	-
LERWICK	21-9	82																													
PSYCHROMETER			4.3	0.9	2.6	-	6.2	2	-2.6	9	-	-	66	-	12	15	19	15	11	4	0	10	0	0	10	20	-	0	2.32	121	-
SCREEN			4.3	1.0	2.7	-0.1	6.3	6	-2.6	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORKNEY																															
KIRKWALL AIRPORT	21-9	26	5.4	1.3	3.3	-0.1	8.0	6	-4.0	13	-	-	40	51	11	14	19	15	11	2	1	9	0	1	10	17	17	1	2.64	118	-
WEYLAND	9 9	24	5.4	1.5	3.5	-	7.6	6	-2.2	12	2.6	-	41	-	12	14	18	12	7	2	3	2	0	0	4	22	-	2	-	-	-
WESTERN ISLES																															
BENBECULA	21-9	6	6.3	1.8	4.1	-0.4	8.2	6.7	-3.2	26	-	-	95	-	21	9	16	13	7	0	0	2	1	1	9	15	14	1	3.21	120	-
STORNOWAY	21-9	3	6.0	1.9	3.9	-0.2	8.0	7	-3.2	28	-	-	76	-	8	6	19	14	6	0	0	6	0	0	6	12	11	0	3.51	151	-
HIGHLAND																															
ACHANY	9 9	107	4.3	-2.0	1.1	-	8.1	3	-7.1	28	1.9	-	82	-	16	10	19	14	11	15	1	0	0	0	22	27	-	1	2.41	-	-
ACHNASHELLACH	9 9	67	5.7	-0.2	2.7	0.0	7.8	15	-5.6	28	-	-	75	44	14	3	21	11	5	2	1	0	0	0	14	-	-	0	-	-	-
BALMACARA	9 9	4	7.0	1.9	4.5	-	8.7	6	-3.2	28	-	-	60	49	12	2	14	11	0	0	0	0	0	0	5	-	-	1	-	-	-
CAPE WRATH	21-9	112	5.2	2.2	3.7	-0.2	7.5	6	-1.4	13	-	-	34	40	6	7	17	10	6	0	0	9	0	0	2	7	9	6	3.44	-	-
CASSLEY	9 9	99	4.4	-1.3	1.5	-	7.0	2.3	-5.5	12.13.28	-	-	74	-	20	3	17	13	-	-	-	-	-	-	20	23	-	-	-	-	-
CORPACH	9 9	8	5.9	0.6	3.3	-	7.8	3.16	-4.8	28	-	-	118	-	21	2	17	15	2	0	0	0	0	1	10	17	-	0	-	-	-
CRAIGDARROCH	9 9	38	5.2	-2.1	1.5	-	8.4	3	-7.6	28	-	-	80	-	12	11	20	14	10	13	1	0	0	0	24	25	-	0	-	-	-
DALCROSS	9 9	11	-	-0.9	-	-	-	-	-8.4	13	-	-	47	-	7	6	18	12	-	5	-	-	-	0	18	25	-	0	-	-	-
DALWHINNIE	9 9	351	2.9	-3.0	-0.1	-	5.2	8	-10.7	1	-	-	78	-	18	2	19	17	14	11	0	0	0	3	24	24	-	3	2.41	-	S
DIABAIG	9 9	46	7.1	1.7	4.4	-	10.0	7	-1.9	12	-	-	46	-	10	9	13	9	0	-	0	1	0	-	8	-	-	2	-	-	S
DOUNREAY	9 9	21	5.8	-0.4	2.7	-	8.5	5	-5.5	13	-	-	60	91	11	7	16	11	2	4	0	0	0	1	15	23	-	1	3.34	-	-
FORT AUGUSTUS	9 9	21	5.6	0.1	2.9	+0.1	7.3	6	-6.4	28	-	-	45	-	7	3.14	17	11	5	1	1	3	0	0	11	-	-	0	2.24	111	-
FORTROSE	9 9	5	4.9	1.3	3.1	-0.7	7.0	2.8	-3.5	13	-	-	53	126	7	10	19	12	-	-	-	-	-	0	6	-	-	-	2.89	113	-
GLENMORE LODGE	9 9	341	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRANTOWN-ON-SPEY	9 9	229	4.2	-3.3	0.5	-	7.0	3	-12.0	13	-	-	38	-	9	6	17	12	8	11	0	0	0	0	21	27	-	0	2.94	-	-
HEASTE	9 9	109	5.9	0.6	3.3	-	7.5	3	-4.2	28	-	-	74	-	18	2	14	13	4	1	0	6	0	0	9	21	-	0	-	-	-
INVERNESS	9 9	4	5.5	-0.5	2.5	-	8.4	5	-4.6	12.13	-	-	42	100	9	10	17	11	3	0	0	0	0	0	17	24	-	0	2.79	-	-
INVERPOLLY	9 9	14	6.2	0.2	3.2	-	9.3	6	-4.7	25.28	3.2	-	45	-	11	4	12	9	2	1	0	0	0	0	10	27	-	2	-	-	S
ISLE OF RHUM	9 9	5	6.3	1.1	3.7	-	8.5	4.7	-2.4	24	3.4	5.1	177	111	47	2	19	15	2	2	0	2	0	0	10	22	-	0	-	-	-
KEISS	9 9	30	5.6	0.8	3.2	-	7.7	6	-4.2	1	2.8	3.7	54	-	13	7	21	17	6	2	2	5	0	0	9	14	-	0	2.60	-	-
KNOCKANROCK	9 9	244	3.6	-1.1	1.3	-	5.8	6	-6.9	12	-	-	92	51	17	9	18	15	9	19	0	2	0	0	19	28	-	2	-	-	-
LAGGANLIA	9 9	250	4.2	-3.2	0.5	-	7.0	2	-11.0	13	-	-	37	-	6	6	17	10	5	12	0	0	0	0	18	25	-	0	-	-	-
LAIRG	9 9	107	4.3	-2.1	1.1	-	8.2	3	-8.4	28	1.4	3.2	96	-	19	9	18	14	18	11	1	2	0	2	22	24	-	0	-	-	-
LENTRAN	9 9	146	4.0	-1.4	1.3	-	6.9	3	-6.6	13	-	-	53	-	11	10	20	13	8	12	0	1	0	2	20	26	-	0	-	-	-
NAIRN	9 9	6	5.3	-1.5	1.9	-1.4	8.2	3	-7.5	13	-	-	41	107	8	6	19	12	7	0	4	3	0	0	18	24	-	0	3.10	114	-
ONICH	9 9	15	6.2	0.5	3.3	-0.3	9.0	16	-4.0	26.28	-	-	146	96	(32)	2	15	14	-	0	-	-	-	1	8	17	-	-	1.83	85	S
POOLEWE	9 9	6	6.6	1.0	3.8	-	8.9	7	-3.4	25	-	-	47	-	9	1	12	9	3	0	0	3	0	0	9	20	-	0	3.46	-	-
PRABOST	9 9	67	5.4	0.7	3.1	-	7.4	7	-3.6	28	-	-	71	54	11	2	18	12	5	4	0	4	0	0	6	20	-	3	2.94	-	-
RUBH RE	21-9	16	6.0	2.2	4.1	-	8.5	17	-2.6	12	-	-	55	-	13	9	15	10	2	0	0	0	0	0	4	7	8	0	-	-	-
STRATHCONON	9 9	107	4.8	-1.5	1.7	-	8.4	3	-7.8	28	-	-	96	-	(12)	11	22	17	6	7	0	1	0	-	21	25	-	0	-	-	-
TARBATNESS	21-9	18	5.2	1.8	3.5	0.0	8.1	3	-1.8	9	-	-	49	-	8	14	23	11	6	2	0	0	0	1	6	-	-	1	-	-	-
TOMATIN	9 9	311	3.4	-2.2	0.6	-	6.5	6	-9.6	13	-	-	34	-	6	6	17	12	14	-	0	2	0	-	21	-	-	0	-	-	-
TORRISDALE	9 9	27	5.1	-0.1	2.5	-	7.6	3	-5.0	28	-	-	59	-	17	7	19	12	4	1	0	4	0	0	14	21	-	0	3.42	-	-
WICK	21-9	36	5.2	1.1	3.1	-0.2	7.8	3	-2.9	28	-	-	61	101	17	7	22	14	10	2	0	9	0	0	11	17	16	0	2.75	105	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	HEIGHT OF TERMINAL (GMT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN°C BELOW 0 DEG C	CONCRETE MIN°C BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
1 SCOTLAND E																																
GRAMPIAN																																
ABERDEEN																																
DYCE AIRPORT	21-9	58	5.2	-0.5	2.3	-0.3	9.1	6	-11.3	13	-	-	118	211	33	9	20	14	9	5	2	9	0	0	20	18	19	0	2.30	82	-
MANNOFIELD	9 9	16	4.9	-0.2	2.3	-0.4	7.5	3	-7.4	13	-	-	118	223	30	9	21	16	6	5	0	2	0	0	13	19	-	0	2.07	74	-
BALMORAL	9 9	283	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BANCHORY	8 8	77	4.8	-1.3	1.7	-	9.5	6	-7.9	2	-	-	108	-	22	10	22	16	12	6	0	2	0	0	18	16	19	0	2.23	-	-
BANFF	9 9	24	4.8	0.6	2.7	-	7.6	3	-7.1	13	-	-	60	115	12	7	20	14	5	2	0	0	0	0	8	-	-	2	2.24	-	-
BRAEMAR	9 9	339	3.0	-3.1	-0.1	-0.6	5.7	5	-12.3	1	-	-	65	97	13	2	22	13	-	15	-	-	-	0	22	28	-	-	2.03	101	S
CLASHNOIR	9 9	338	2.6	-2.6	0.0	-	6.4	6.7	-9.8	13	0.4	-	(55)	-	(11)	6	(20)	(15)	17	15	0	3	0	2	23	26	-	1	2.49	-	-
CRAIBSTONE	9 9	91	4.5	-0.6	1.9	-0.7	8.2	6	-7.6	13	2.0	3.1	113	198	33	9	23	16	6	5	0	2	0	1	16	26	-	0	2.48	87	-
CULTERTY	9 9	3	5.1	-0.6	2.3	-	7.8	3	-9.7	13	-	-	78	170	12	6	22	15	4	-	0	2	0	0	15	21	-	0	-	-	-
ELGIN	9 9	15	5.8	-1.0	2.4	-	9.0	3.6	-8.5	13	-	-	57	124	12	6	16	11	-	2	-	-	-	0	16	27	-	-	2.71	-	-
FOREHILL	9 9	40	5.0	0.5	2.7	-	8.2	6	-4.4	13	-	-	85	-	17	7	19	14	-	-	-	-	-	-	10	15	-	-	-	-	-
FORRES	9 9	5	5.4	-1.0	2.2	-0.7	9.4	3	-11.1	13	1.6	3.4	46	-	9	6	17	11	10	3	0	1	0	1	16	24	-	0	2.56	95	-
FRASERBURGH	21-9	19	5.2	2.0	3.6	-	8.1	3	-1.5	1	-	-	82	160	19	7	20	17	2	0	2	0	0	0	4	16	15	3	1.94	-	-
FYVIE CASTLE	9 9	55	4.5	-2.4	1.1	-	7.5	3	-14.0	13	-	-	99	150	14	9	21	15	3	-	0	2	0	-	17	23	-	2	-	-	S
GARTLY	9 9	146	3.9	-1.7	1.1	-	7.7	6	-6.7	12.13	-	-	90	-	15	10	19	12	-	-	-	-	-	-	19	27	-	-	-	-	-
GLENLIVET	21-9	215	4.0	-2.0	1.0	-	8.1	6	-12.2	13	-	-	59	90	11	6	20	14	17	8	0	0	0	0	22	25	26	0	2.52	-	-
INVERURIE	9 9	54	4.5	-2.2	1.1	-	7.5	3	-12.9	13	-	-	113	-	26	10	20	12	7	4	0	0	0	1	17	21	-	0	1.98	-	-
KEITH	9 9	106	4.6	-2.0	1.3	-	7.8	7	-15.6	13	-	-	74	-	15	6	22	11	11	-	0	0	0	-	18	25	-	0	2.37	-	-
KINLOSS	21-9	5	5.5	-0.6	2.5	-0.6	8.8	5	-11.1	13	3.1	-	50	128	10	6	18	14	12	4	0	7	0	0	19	25	19	0	2.73	-	-
LOSSIEMOUTH	21-9	6	5.5	-0.3	2.6	-	8.9	3	-7.7	13	-	-	63	157	14	6	19	12	9	4	0	4	0	0	16	22	22	0	-	-	-
TAYSIDE																																
ARBROATH	9 9	28	5.3	1.1	3.2	-	7.3	8	-3.5	1.2	-	-	128	304	32	10	22	15	3	2	0	3	0	1	4	16	-	0	2.83	91	-
ARDTALNAIG	9 9	130	4.6	0.0	2.3	-	7.5	2	-4.4	26	-	-	139	135	30	2	20	17	9	2	0	0	0	0	12	21	-	0	1.68	-	-
DRUMMOND CASTLE	9 9	113	4.5	-1.1	1.7	-	7.9	8	-5.6	1	1.7	-	155	-	36	2	20	15	7	9	0	0	0	-	18	26	-	0	2.05	-	-
DUNDEE	9 9	45	5.5	0.5	3.0	-0.1	8.2	3	-4.6	1	2.0	-	147	306	49	9	16	13	7	3	0	4	0	4	7	20	-	0	2.58	90	-
FASKALLY	9 9	94	5.0	-0.8	2.1	-	7.3	3	-6.5	1	1.6	3.3	58	89	9	6	14	13	3	2	0	0	0	1	15	20	-	0	-	-	-
KINDROGAN	9 9	259	2.9	-2.8	0.1	-	5.9	3	-10.1	1.2	-	-	79	-	16	17	16	11	9	15	0	1	0	1	20	25	-	0	-	-	-
KINROSS	9 9	116	4.7	-1.9	1.4	-	7.1	8	-8.0	1	1.9	-	164	-	35	9	24	17	-	2	-	-	-	-	24	20	-	-	2.15	-	-
MONTROSE	9 9	57	4.9	0.3	2.6	-	7.2	3.4.7	-4.6	1	-	-	137	292	37	9	17	14	6	3	0	3	0	1	10	20	-	0	-	-	-
MYLNEFIELD	9 9	30	5.2	0.4	2.8	-	7.8	3	-5.6	1	2.3	3.8	151	322	49	9	19	14	4	2	0	0	0	1	8	21	-	0	2.76	-	-
PERTH	9 9	23	5.1	-0.8	2.1	-0.7	7.6	2.3	-6.6	1	-	-	133	251	56	9	18	15	-	1	-	-	-	7	16	26	-	-	1.43	55	-
STRATHALLAN	9 9	41	5.4	-0.4	2.5	-	8.4	3	-4.7	1	-	-	121	-	29	9	19	15	6	2	0	3	0	0	15	23	-	0	-	-	-
USAN	21-9	30	5.3	1.4	3.3	-	8.3	8	-4.2	1	-	-	113	-	28	10	19	13	3	2	0	0	0	1	5	17	17	2	2.71	-	-
WHITEHILLOCKS	9 9	258	3.6	-1.9	0.9	-	7.4	6	-8.8	1	-	-	148	170	29	2	18	15	7	11	0	0	0	2	19	24	-	0	-	-	S
FIFE																																
BELLISTON	9 9	82	4.9	1.1	3.0	-	7.2	3	-3.9	1	2.8	-	151	322	41	10	21	17	5	2	0	5	0	1	5	22	-	0	-	-	-
CUPAR	9 9	36	5.3	0.0	2.7	-	7.7	5	-5.9	1	1.5	-	156	-	35	10	24	15	5	3	0	4	0	-	13	22	-	0	2.20	-	S
GLENROTHES	9 9	117	4.7	-0.2	2.3	-	7.2	8	-4.8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	2.26	-	-
LEUCHARS	21-9	10	5.4	0.4	2.9	-0.4	8.5	3	-5.6	13	-	-	142	337	35	9	20	14	9	2	0	2	0	1	11	19	19	0	2.54	85	-
PITREAVIE	21-9	40	5.7	1.1	3.4	-	8.4	3	-3.2	1	-	-	117	249	36	9	20	14	8	1	2	0	0	0	8	15	16	0	-	-	-
ST ANDREWS	9 9	18	5.6	1.1	3.3	-	8.4	5.7	-3.1	1	2.5	3.9	159	354	39	9	22	19	2	1	0	3	0	0	7	19	-	0	2.31	-	-
LOTHIAN																																
BLACKBURN SEWAGE WORKS	9 9	131	5.2	-0.3	2.5	-	7.5	5	-5.3	28	-	-	105	-	17	2	21	17	-	-	-	-	-	0	10	-	-	-	2.84	-	-
BUSH HOUSE	9 9	184	4.7	-0.2	2.3	-	7.9	5	-4.7	28	1.6	2.5	77	135	13	21	21	14	5	5	0	1	0	1	13	19	-	0	2.26	-	-
DUNBAR	9 9	23	6.1	1.9	4.0	+0.3	9.9	5	-2.0	1	-	-	64	189	23	10	14	8	3	0	0	0	0	0	3	18	-	0	3.10	105	-
EDINBURGH																																
EAST CRAIGS	9 9	61	5.8	0.7	3.3	-	9.6	5	-3.8	26	2.6	-	104	-	37	9	16	11	3	1	0	1	0	0	9	19	-	0	2.76	-	-
ROYAL BOTANIC GARDEN	9 9	26	6.4	0.9	3.7	+0.3	10.5	5	-3.7	28	2.6	-	93	222	32	9	17	11	2	1	0	0	0	0	10	21	-	0	2.96	122	-
ROYAL OBSERVATORY BLACKFORD HILL	9 9	134	5.3	0.5	2.9	-0.3	9.0	5	-2.6	1	-	-	81	196	21	9	19	12	4	2	0	4	0	1	10	15	-	2	2.76	102	-
TURNHOUSE AIRPORT	21-9	35	6.2	1.0	3.6	+0.5	10.0	5	-5.5	28	-	-	105	243	38	9	18	15	8	0	0	4	0	0	10	22	17	0	2.76	109	-
HADDINGTON	9 9	49	6.0	0.5	3.3	-	9.9	5	-3.2	1	-	-	62	164	22	10	17	10	4	1	0	5	0	0	9	16	-	0	-	-	S
LIVINGSTON	9 9	125	5.2	-0.1	2.5	-	7.5	5	-5.6	28	-	-	105	-	23	9	21	12	5	1	0	0	0	0	11	18	-	0	-	-	-
NUNRAW ABBEY	9 9	195	4.4	0.0	2.2	-	8.2	5	-3.7	27	-	-	110	-	26	10	22	14	10	4	0	1	0	1	11	-	-	2	-	-	-
PATHHEAD	9 9	131	5.1	0.7	2.9	-	8.1	5	-3.0	28	2.5	-	51	-	15	10	17	11	4	2	0	0	0	0	7	15	-	0	-	-	-
PENICUIK	9 9	189	4.8	-0.5	2.1	0.0	7.3	8	-6.2	28	1.7	-	91	154	17	10	22	15	5	6	0	0	0	2	13	22	-	0	1.86	79	-
BORDERS																																
BLYTH BRIDGE	9 9	253	4.3	-0.6	1.9	-	6.7	2.5	-7.1	26	-	-	58	95	9	10	20	12	7	4	0	3	0	1	14	25	-	0	1.73	-	-
BLYTHE	9 9	262	4.0	-0.9	1.5	-	6.6	3	-5.5	26	-	-	116	190	24	9	20	14	-	6	-	-	-	4	16	22	-	-	2.39	-	-
BONCHESTER BRIDGE	9 9	146	5.3	-0.6	2.3	-	8.3	7	-7.4	28	-	-	66	-	16	2	19	14	1	0	0	2	0	0	15	-	-	0	-	-	-
BOWHILL (SELKIRK)	9 9	168	5.0	-0.7	2.1	-	8.0	5.7	-6.7	28	-	-	109	167	24	9	22	14	7	2	0	3	0	3	13	-	-	0	-	-	-
FLOORS CASTLE	9 9	59	5.9	-0.5	2.7	-	8.9	3.7	-5.0	17	-	-	87	182	21	9	16	12	5	0	0	0	0	4	13	-	-	0	-	-	-
GALASHIELS	9 9	198	4.6	-0.4	2.1	-	7.7	7	-5.3	26	-	-	89	-	19	9	19	11	7	2	0	2	0	1	12	19	-	0	2.29	-	S
GLENTRESS	9 9	165	5.4	-0.5	2.5	-	9.0	7	-8.0	26	-	-	82	139	14	2	20	12	-	0	-	-	-	1	12	-	-	-	-	-	-
GREYCROOK	9 9	76	5.6	-0.5	2.5	-	8.5	3.5	-5.0	1	2.3	-	84	-	23	9	14	11	4	2	0	1	0	-	14	24	-	0	-	-	-
KELSO	9 9	34	6.1	0.1	3.1	-	9.1	7	-4.0	17	-	-	78	-	23	10	19	11	6	1	0	1	0	2	13	19	-	0	-	-	-
LEITHOLM	9 9	64	5.6	0.0	2.8	-	8.5	7	-4.2	1	2.8	-	92	-	16	9	21	11	5	0	0	0	0	2	12	22	-	1	2.55	-	-
ST ABBS HEAD	9 9	75	5.4	1.8	3.6	+0.1	8.2	5	-1.6	17	-	-	-	-	-	-	-	-	7	0	1	0	0	1	3	11	9	1	-	-	-
STANHOPE FARM	9 9	226	4.8	-0.3	2.3	-	6.8	2	-9.3	26	-	-	99	119	31	2	22	15	12	3	0	1	0	1	12	20	-	2	-	-	-
WEST LINTON	9 9	244	4.7	-0.3	2.2	+0.8	7.6	6	-6.6	26	1.4	2.1	72	113	12	10	22	16	4	2	0	1	0	1	14	19	-	0	-	-	-
WHITCHESTER	9 9	255	4.0	-0.6	1.7	-	6.9	3	-3.9	26	-	-	149	241	32	9	23	13	9	11	0	9	0	-	14	-	-	2	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	RAINFALL: MOST IN A DAY: AMOUNT (MM)	RAINFALL: MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
6 SCOTLAND W																															
STRATHCLYDE																															
ACHAGLACHGACH	9 9	12	6.3	0.7	3.5	-	8.5	5	-5.3	26	-	-	110	97	18	2	19	15	4	0	0	0	0	1	11	20	-	0	-	-	-
AROS	9 9	37	6.4	0.7	3.5	-	8.0	6	-5.5	26	-	-	113	-	20	14	16	15	2	0	0	1	0	1	9	21	-	0	-	-	-
AUCHINCRUIVE	9 9	45	6.5	1.3	3.9	+0.4	9.0	22	-4.2	26	3.8	4.8	67	122	21	2	19	13	1	0	0	0	0	1	4	19	-	0	2.89	109	-
BARRHEAD	9 9	30	6.1	0.4	3.3	-	9.0	16	-6.0	26	-	-	135	157	39	2	21	16	5	2	0	0	0	0	9	17	-	0	-	-	-
BENMORE(YOUNGER BOTANIC GARDEN) ...	9 9	12	5.7	1.0	3.3	-	8.1	2	-4.4	1	-	-	221	134	43	2	20	16	7	2	0	4	0	2	6	18	-	0	-	-	-
BRODICK CASTLE	9 9	15	6.5	1.9	4.2	-	8.7	4	-3.0	26	4.3	-	218	182	42	9	20	19	1	1	0	0	0	1	4	15	-	0	-	-	-
CAMPS RESERVOIR ...	9 9	295	4.1	-0.9	1.6	-	6.1	6	-8.0	26	-	-	96	116	24	2	23	17	10	3	0	1	0	4	14	-	-	1	1.89	-	S
CARNWATH	9 9	208	4.8	-1.3	1.7	-	7.1	5	-9.3	26	2.3	-	60	111	9	21	21	15	11	3	1	1	0	1	15	21	22	2	-	-	-
COLONSAY	9 9	35	6.1	2.2	4.1	-	7.8	19	-4.1	26	-	-	79	-	18	14	19	12	3	0	0	2	1	0	3	-	-	3	-	-	-
CRAWFORDJOHN	9 9	274	4.5	-1.0	1.7	-	7.1	5	-9.5	26	2.5	-	-	-	-	-	-	-	7	2	0	0	0	0	12	16	17	0	2.04	-	-
CUMNOCK	9 9	99	6.1	0.5	3.3	-	8.3	22	-5.4	27	-	-	75	-	29	2	20	13	4	0	0	0	0	1	11	17	-	0	2.73	-	-
DUNSTAFFNAGE	9 9	3	6.1	1.5	3.8	-	8.2	4	-2.8	26	-	-	107	-	17	1	17	12	2	1	0	0	0	1	6	14	-	2	-	-	-
EAST KILBRIDE	9 9	178	5.1	0.1	2.6	-	6.7	16	-5.2	26	-	-	128	-	35	2	20	16	2	3	0	0	0	-	10	23	-	0	2.59	-	-
FINNART	9 9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GIRVAN	9 9	8	6.9	1.2	4.1	-	10.5	22	-4.5	28	-	-	93	140	15	2	21	17	1	0	0	0	0	0	7	13	-	0	2.70	-	-
GLASGOW ABBOTSINCH AIRPORT ...	21-9	5	5.9	0.8	3.3	-0.2	8.8	2	-6.9	26	-	-	113	-	31	2	19	12	11	0	0	3	0	2	8	17	15	0	2.30	105	-
SPRINGBURN PARK ...	9 9	107	5.0	0.1	2.5	-0.2	7.2	5.19	-4.5	26	-	-	102	144	21	9	21	15	8	1	1	2	0	2	12	20	-	0	2.14	99	-
WEATHER CENTRE (X)	21-9	40	6.0	2.3	4.1	-	8.0	2.3.16	-2.3	26	-	-	99	-	22	9	17	14	6	-	0	0	0	0	3	-	-	0	2.26	-	-
GREENOCK	9 9	61	-	-	-	-	-	-	-	-	-	-	152	133	35	2	19	16	-	-	-	-	-	-	-	-	-	-	2.36	114	-
HELENSBURGH	9 9	89	4.8	0.0	2.4	-0.5	8.0	2	-4.5	1.26	-	-	141	138	25	9	19	16	-	3	-	-	-	0	13	-	-	-	-	-	S
HUNTERSTON	9 9	8	6.3	1.9	4.1	-	8.5	2	-2.5	26	-	-	126	-	27	10	19	15	2	0	0	1	0	0	4	-	-	3	-	-	-
KILDONAN	9 9	18	6.5	2.1	4.3	-	8.2	19	-1.8	26	-	-	135	-	36	9	22	19	0	-	0	0	0	0	2	8	8	0	2.65	-	-
KNAPDALE FOREST ...	9 9	12	6.0	0.2	3.1	-	8.7	2	-6.5	26	-	-	117	-	22	2	18	17	0	0	0	0	0	1	11	18	-	0	-	-	-
LANARK	9 9	152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.55	-	-
LEADHILLS	9 9	388	3.7	-1.4	1.1	-	6.0	6	-7.6	26	-	-	164	151	59	2	24	16	17	5	0	2	0	3	16	20	-	2	-	-	-
MACHRIHANISH	21-9	10	6.4	2.2	4.3	-	8.6	2	-4.0	26	-	-	153	191	30	9	21	21	3	0	1	0	0	0	2	17	13	1	2.58	-	-
MILLPORT	9 9	5	6.3	1.7	4.0	-	8.9	3	-2.3)	26	-	-	110	145	23	17	16	15	2	-	0	0	0	0	3	-	-	2	-	-	-
PAISLEY	9 9	32	5.9	1.0	3.5	-0.2	8.4	2.3	-2.9	28	3.2	5.2	129	155	35	2	19	16	3	0	0	0	0	2	10	12	-	0	2.25	109	-
PRESTWICK	21-9	16	6.5	1.6	4.1	-	9.0	22	-5.0	26	-	-	70	129	19	2	19	13	5	0	0	0	0	0	7	12	12	0	2.57	-	S
RHUVAAL	21-9	20	6.1	2.4	4.3	-	8.7	2	-1.1	26	-	-	116	132	22	2	19	14	3	0	1	0	0	0	1	7	6	0	-	-	-
ROTHESAY	9 9	43	5.9	1.9	3.9	-	8.5	4.5	-2.0	26	3.1	4.1	132	141	30	9	18	16	3	0	0	0	0	0	2	17	-	0	-	-	-
SLOY	21-9	12	5.6	1.1	3.3	-	8.5	22	-5.6	26	-	-	201	-	35	2	19	17	6	-	0	1	0	0	9	-	-	0	-	-	-
STRONACHULLIN	9 9	2	6.2	1.6	3.9	-	9.4	2	-3.5	26	-	-	154	-	37	2	20	16	2	0	0	0	0	1	6	12	-	0	-	-	-
TIREE	21-9	9	6.2	2.4	4.3	-0.6	8.3	3	-2.3	25	-	-	80	108	11	2	18	16	5	0	0	2	0	0	2	13	12	0	2.35	93	-
CENTRAL																															
ARROCHYMORE	9 9	30	5.7	-0.5	2.6	-	8.1	3	-6.5	26	-	-	189	-	33	9	22	16	-	0	-	-	-	0	15	24	-	-	1.92	-	-
CALLANDER	9 9	107	4.6	-0.6	2.0	-	6.6	4	-7.0	1	-	-	161	143	38	9	18	15	8	3	0	1	0	1	10	24	-	0	-	-	-
EARLS HILL	21-9	335	2.7	-1.0	0.9	-	5.0	8	-4.2	12	-	-	185	-	42	2	19	15	13	-	0	1	0	9	21	24	24	1	2.13	-	-
FALKIRK	9 9	3	6.2	0.5	3.3	-	8.8	16	-4.9	28	-	-	113	-	29	9	17	13	-	-	-	-	-	-	10	-	-	-	2.16	-	-
GRANGEMOUTH	9 9	4	5.8	-	-	-	8.0	3.5.7	-	-	-	-	102	-	25	9	18	14	2	0	0	0	0	1	-	17	-	0	-	-	-
PARKHEAD	9 9	107	6.0	0.4	3.2	-	9.1	3	-6.6	1	1.5	-	118	-	32	9	16	12	-	1	-	-	-	1	10	-	-	-	-	-	-
STIRLING(BATTERFLATS)	9 9	38	5.9	0.0	2.9	-	8.7	26	-6.0	28	2.5	3.5	122	-	29	9	19	13	4	2	0	1	0	2	13	20	-	0	2.30	-	-
DUMFRIES & GALLOWAY																															
BARGRENNAN	9 9	110	5.9	0.7	3.3	-	8.2	22	-7.6	26	-	-	161	150	41	2	22	17	4	1	0	0	0	1	9	19	-	0	-	-	-
CLATTERINGSHAWS ...	9 9	178	5.0	0.0	2.5	-	7.7	22	-6.9	26	-	-	222	157	54	2	21	21	5	2	0	0	0	0	11	-	-	0	1.71	-	-
DUMFRIES	9 9	49	6.5	1.2	3.9	+0.8	9.0	14	-3.9	26.28	3.7	4.5	123	183	32	2	19	16	1	-	0	0	0	1	6	16	-	0	2.33	95	-
DUNDEUGH	9 9	119	5.6	-0.2	2.7	-	8.0	22	-9.1	26	3.2	-	158	154	40	2	21	20	2	2	0	0	0	5	10	-	-	0	-	-	-
ESKDALEMUIR	21-9	242																													
PSYCHROMETER			4.4	-0.5	1.9	-	6.9	22	-9.3	26	3.4	4.5	139	131	43	2	23	17	13	3	0	3	0	1	13	18	17	0	1.92	81	-
SCREEN			4.7	-0.4	2.1	+0.6	7.8	8	-9.3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-
GIRDSTINGWOOD	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.56	-	-
GLENLEE	9 9	55	6.2	0.7	3.5	+0.6	8.8	22	-7.5	26	-	-	181	165	47	2	21	20	-	1	-	-	-	1	8	20	-	-	-	-	-
GLENLOCHAR BARRAGE ...	9 9	47	6.2	0.9	3.5	-	8.3	22	-5.0	26	-	-	150	192	43	2	21	17	1	0	0	0	0	2	6	-	-	0	-	-	-
PALNURE	9 9	15	6.6	1.3	3.9	-	9.2	22	-4.7	26	-	-	147	175	29	2	21	17	1	0	0	0	0	0	8	18	-	0	-	-	-
PENWHIRN	9 9	166	5.5	0.2	2.9	-	8.5	22	-7.0	26	-	-	195	215	47	9	22	21	-	-	-	-	-	0	7	18	-	-	2.19	-	-
THREAVE	9 9	73	6.2	0.9	3.5	-	9.2	22	-5.6	26	3.2	-	151	191	39	2	20	15	5	0	0	1	0	2	8	21	-	0	-	-	-
2 ENGLAND E & NE																															
NORTHUMBERLAND																															
BOULMER	21-9	23	5.7	1.7	3.7	-	9.5	5	-2.1	1	3.2	4.2	76	-	16	9	17	12	6	0	0	6	0	0	8	14	12	0	2.38	-	-
COCKLE PARK	9 9	99	5.4	1.2	3.3	-	9.1	5	-2.7	1	2.8	-	79	-	18	9	20	15	1	2	0	3	0	1	7	20	-	0	2.12	-	-
HAYDON BRIDGE	9 9	79	6.5	0.8	3.7	-	9.8	5	-5.3	28	3.1	3.7	55	95	8	9	22	15	1	0	0	0	0	3	6	-	-	0	-	-	-
KIELDER CASTLE	9 9	201	4.6	-1.3	1.7	+0.5	7.1	8	-9.1	1	2.7	-	116	135	21	9	20	15	8	3	0	0	0	4	16	22	-	0	-	-	-
LETHAMHILL FARM ...	9 9	76	5.3	0.8	3.1	-	8.3	3.5	-2.4	1	-	-	77	-	22	10	15	11	-	-	-	-	-	-	7	19	-	-	-	-	-
REDESDALE	9 9	238	4.2	-1.0	1.6	-	7.1	5	-8.8	1	2.5	-	90	-	13	9	21	15	-	3	-	-	-	4	14	22	-	-	1.75	-	-
SEAHOUSES	21-9	11	5.9	2.0	3.9	-	9.8	5	-4.0	26	-	-	64	155	12	9	17	12	3	0	1	2	0	1	4	14	11	2	2.89	-	-
STONEHAUGH	9 9	201	5.1	-0.8	2.1	-	8.0	5	-7.8	28	-	-	86	-	16	9	21	14	4	4	0	0	0	4	13	19	24	0	-	-	-
TYNE & WEAR																															
CHOPWELLWOOD	9 9	136	5.6	1.1	3.3	+0.4	9.0	5.6	-4.0	26	-	-	70	122	13	8	19	15	1	0	0	0	0	2	6	12	-	0	-	-	-
NEWCASTLE WEATHER CENTRE (X)	21-9	75	6.4	2.6	4.5	-	10.1	5	-2.1	1	-	-	61	-	10	9	18	15	7	0	0	1	0	0	4	-	9	0	1.95	-	-
TYNEMOUTH	21-9	29	5.9	2.9	4.4	+0.3	9.5	5	-2.3	1	-	-	58	123	16	9	16	10	2	0	0	0	0	0	3	8	-	1	-	-	-
WASHINGTON	9 9	27	6.3	1.3	3.8	-	9.5	5.6	-3.0	1.27	3.5	4.5	61	-	14	9	19	16	1	0	0	1	0	0	6	-	-	0	2.00	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HEIGHT OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MINIMUM BELOW 0 DEG C	CONCRETE MINIMUM BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	BRIGHT SUNSHINE EXPOSURE
2 ENGLAND E & NE -CONTINUED																																
DURHAM																																
DURHAM	9 9	102	5.8	0.9	3.3	+0.4	9.1	5	-3.5	1	3.6	4.6	64	125	11	9	19	15	-	0	+	-	-	3	6	13	-	-	1.76	71	-
LOW ETHERLEY	9 9	155	4.9	0.4	2.7	-	8.8	5	-4.6	1.28	2.9	-	87	-	13	9	19	15	9	3	0	1	0	4	7	16	-	0	-	-	-
WIDDYBANK FELL	9 9	513	2.3	-2.4	-0.1	-	5.8	8	-10.9	1	1.4	-	162	-	27	2	24	20	-	14	-	-	-	10	22	26	-	-	1.40	-	-
CLEVELAND																																
HARTBURN GRANGE ...	9 9	31	6.5	0.8	3.7	-	10.3	5	-4.4	1	-	-	57	142	15	22	18	11	2	1	0	0	0	1	8	18	-	0	1.83	-	-
HARTLEPOOL	9 9	9	6.6	2.3	4.5	+0.4	10.2	5	-2.9	1	-	-	58	137	11	9	17	13	0	0	0	1	0	0	4	-	-	0	2.05	-	-
NORTH YORKSHIRE																																
ASKHAM BRYAN	9 9	34	6.6	0.6	3.6	-	10.4	5	-5.0	28	-	-	109	241	14	9	21	17	0	0	0	0	1	2	7	13	-	0	1.97	88	-
CAWOOD	9 9	6	6.5	1.8	4.1	-	10.5	5	-3.0	28	4.0	4.7	115	274	16	9	20	17	0	0	0	0	0	0	6	16	-	0	1.81	-	-
HIGH MOWTHORPE	9 9	175	5.2	1.2	3.2	-	9.0	5	-3.5	1	3.0	-	104	177	19	9	22	16	1	1	0	0	0	8	6	14	-	0	2.19	-	-
LEEMING	21-9	32	6.4	1.8	4.1	-	10.5	6	-4.5	28	3.5	4.6	84	168	18	22	21	16	3	0	0	0	0	2	7	13	11	1	2.14	-	-
MALHAM TARN	9 9	395	(3.6)	(-0.4)	1.6)	+0.5)	6.6	6.8	-6.7	26	2.4)	-	152	141	19	7	25	20	9	12	1	0	0	6	12	(25)	-	0	-	-	-
PICKERING	9 9	44	6.2	0.8	3.5	-	10.1	5	-5.0	1	-	-	79	153	14	22	23	14	2	2	0	0	0	2	9	14	-	0	-	-	-
SCARBOROUGH	9 9	53	6.4	2.1	4.3	-	10.3	5	-1.8	1	3.7	4.8	89	185	15	22	20	16	1	0	0	0	0	0	6	14	7	0	2.31	103	-
SILPHO MOOR	9 9	203	5.2	0.6	2.9	-	8.8	5	-2.7	28	2.9	-	143	216	27	9	23	19	2	2	0	0	0	7	9	20	-	0	2.20	-	-
SNAIZEHOLME	9 9	290	4.2	-0.9	1.7	-	7.2	8	-9.6	26	3.0	-	172	-	25	2	24	19	4	8	0	0	0	3	13	19	-	0	1.25	-	S
WHITBY	9 9	41	6.5	1.7	4.1	-	9.9	5	-2.5	1	-	-	84	-	16	9	18	14	2	1	0	2	0	0	7	17	-	1	2.46	-	-
WHITBY(COASTGUARD) ...	21-9	60	6.3	2.2	4.3	-	10.1	6	-2.5	1	-	-	79	-	17	9	21	14	2	0	0	0	0	1	9	11	9	2	-	-	-
YORK(HESLINGTON) ...	9 9	20	6.6	1.9	4.3	-	11.0	5	-3.6	28	4.1	4.6	96	224	15	22	22	16	0	0	0	0	0	2	5	8	-	0	2.02	-	-
HUMBERSIDE																																
BRIDLINGTON	9 9	48	6.3	1.8	4.1	-	9.8	5	-3.5	1	-	-	91	168	15	9	21	18	4	0	0	3	0	1	5	16	-	1	2.29	-	-
BRIGG	9 9	3	7.1	1.5	4.3	-	10.4	5.7	-4.9	28	-	-	101	210	16	18	22	17	2	1	0	0	1	0	8	11	-	0	-	-	-
CLEETHORPES	9 9	6	-	(2.3)	-	-	-	-	-2.0	28	-	-	94	205	14	23	17	15	-	1	-	-	-	1	3	-	-	-	-	-	-
HULL	9 9	2	7.3	2.3	4.8	+0.9	11.3	5	-2.5	28	4.2	5.3	91	189	15	9	23	15	0	0	0	0	0	1	5	14	-	0	2.17	104	-
LINCOLNSHIRE																																
BINBROOK	21-9	108	6.0	1.4	3.7	-	9.4	6	-7.1	2	-	-	109	209	19	18	20	15	9	2	0	0	0	5	5	11	10	0	2.18	-	-
CAISTOR	9 9	55	7.0	1.5	4.3	-	10.3	7	-4.9	28	-	-	92	-	11	23	20	18	-	-	-	-	-	-	6	-	-	-	-	-	-
CRANWELL	9 9	62	6.8	0.8	3.8	+0.7	10.3	22	-5.5	2	3.5	3.6	132	338	25	10	23	20	2	2	0	0	0	4	7	16	12	0	2.25	89	-
KIRTON	9 9	4	7.2	1.6	4.4	-	10.5	5	-5.4	2	4.7	5.7	124	-	24	10	22	17	3	2	0	0	1	4	5	13	-	0	2.40	-	-
LINCOLN	9 9	7	7.1	1.5	4.3	+1.0	10.5	5.22	-5.6	1	4.1	4.6	127	-	24	10	21	18	1	1	0	0	0	4	5	10	-	0	2.05	-	-
SKEGNESS	9 9	5	7.0	2.3	4.7	+1.2	10.5	5	-2.0	28	-	-	118	296	35	10	23	18	0	0	0	0	0	0	1	10	-	0	2.44	100	-
SUTTON BRIDGE	9 9	4	8.0	2.2	5.1	-	11.3	22	-3.7	2	-	-	103	246	19	10	23	20	1	-	0	0	0	-	4	11	-	0	-	-	-
WADDINGTON	21-9	68	6.7	1.8	4.3	+1.0	10.7	5	-6.9	2	-	-	133	308	26	10	22	20	6	2	0	0	0	3	7	13	9	0	2.23	87	-
3 EAST ANGLIA																																
NORFOLK																																
COLTISHALL	21-9	17	7.7	2.1	4.9	-	11.2	5	-2.4	2.9	-	-	93	206	17	10	24	19	6	2	2	0	0	3	7	16	9	0	-	-	-
CROMER	9 9	54	7.4	2.3	4.9	+1.3	11.1	22	-2.8	2	-	-	104	222	26	10	25	20	2	-	0	0	0	1	3	7	-	0	2.67	110	-
GORLESTON	9 9	4	7.8	3.2	5.5	+1.6	11.5	5	-2.2	2	4.9	6.2	67	160	10	9	19	14	0	0	0	0	0	0	2	-	-	1	2.77	117	-
MARHAM	21-9	23	7.8	2.5	5.1	-	11.5	22	-3.0	2	-	-	110	-	29	10	20	16	5	1	0	0	0	1	4	13	10	0	2.45	-	-
MORLEY ST BOTOLPH ...	9 9	48	7.5	2.1	4.8	-	10.6	5	-3.1	28	4.4	-	83	-	11	18	21	16	1	2	0	0	0	2	6	14	-	0	2.26	-	-
SANTON DOWNHAM	9 9	24	8.0	1.2	4.6	-	11.4	22	-7.9	28	4.4	5.0	75	174	11	9	19	14	-	0	-	-	-	1	9	19	-	-	1.94	-	-
SCOLE	9 9	27	8.2	2.1	5.1	-	11.3	7	-3.6	28	4.3	5.0	79	-	15	24	19	14	1	1	0	1	0	1	7	14	-	0	2.49	-	-
TERRINGTON ST CLEMENT	9 9	3	7.8	2.2	5.0	+1.7	11.0	22	-3.0	2	4.5	-	103	259	21	10	23	17	1	2	0	1	1	1	4	9	-	0	2.20	93	-
CAMBRIDGESHIRE																																
BOXWORTH	9 9	53	8.0	2.2	5.1	-	11.1	5	-3.5	27	-	-	79	221	10	19	22	18	1	2	0	1	0	4	6	10	-	0	2.20	-	-
CAMBRIDGE																																
BOTANIC GARDEN ...	9 9	12	9.0	2.2	5.6	+1.9	12.0	5	-4.6	28	4.9	5.8	75	214	12	19	22	17	1	1	0	0	0	2	6	14	-	0	-	-	-
NATIONAL INSTITUTE OF AGRICULTURAL BOTANY	9 9	26	(9.0)	2.5	5.7)	-	11.9	7	-3.8	28	-	-	65	190	10	19	18	16	0	1	0	0	0	2	3	10	-	0	2.33	93	-
MARCH	9 9	2	8.3	2.0	5.1	-	11.8	5	-5.0	28	-	-	81	218	13	10	21	16	-	2	-	-	-	-	5	-	-	-	-	-	-
MEPAL	9 9	-2	8.4	2.1	5.3	-	11.2	5.22	-3.2	28	5.5	7.3	86	-	15	9	23	16	1	1	0	1	0	2	5	15	-	0	2.09	-	-
WITTERING	9 9	73	7.1	2.1	4.6	-	10.9	5	-6.0	1	-	-	117	-	15	23	22	19	5	2	1	0	0	6	6	11	-	0	1.84	-	-
WYTON	21-9	40	8.0	2.9	5.5	-	11.2	5	-4.5	28	-	-	74	211	11	9	20	16	4	0	0	0	0	3	6	13	8	0	-	-	-
SUFFOLK																																
ALDEBURGH	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BROOMS BARN	9 9	75	7.7	2.3	5.0	-	11.1	5	-3.1	28	4.2	5.0	57	151	8	9	21	14	2	2	1	1	1	3	6	10	-	0	2.23	-	-
EAST BERGHOLT	9 9	4	8.7	2.3	5.5	-	11.9	5	-3.5	28	-	-	58	156	14	9	18	10	1	0	0	0	0	1	7	16	-	0	-	-	-
HAUGHLEY	9 9	58	7.8	2.1	4.9	-	10.7	5.23	-2.6	28	4.8	-	65	-	10	19	20	13	2	2	0	0	1	3	5	-	-	0	-	-	-
HONINGTON	21-9	50	7.9	2.6	5.3	-	12.4	7	-4.8	28	-	-	57	149	8	9	20	15	4	1	0	0	2	2	5	12	10	0	2.22	-	-
LOWESTOFT	9 9	25	7.6	2.9	5.3	+1.7	10.9	5	-2.6	2	4.5	5.2	67	160	12	9	16	13	0	0	0	1	1	0	3	6	8	0	2.51	106	S
WATTISHAM	21-9	89	7.5	2.6	5.1	-	10.6	23	-2.4	1	-	-	66	173	11	20	19	12	3	1	1	0	1	3	7	10	9	0	2.46	-	-
BEDFORDSHIRE																																
CARDINGTON	21-9	29	8.6	2.7	5.7	-	11.9	5	-4.4	28	5.0	5.4	92	264	13	19	20	17	1	1	0	1	1	4	6	12	12	0	2.29	-	-
LUTON	9 9	159	7.3	2.1	4.7	-	10.2	5	-2.6	27	4.9)(	5.8)	80	178	15	18	19	16	-	0	-	-	-	5	7	-	-	-	2.31	-	-
SILSOE	9 9	61	(8.3)	2.1	5.2)	+1.9)	11.4	5	-5.3	2	4.7	5.8	80	227	15	19	21	18	2	2	1	0	1	5	7	14	13	-	2.39	97	-
WOBURN	9 9	89	8.3	1.9	5.1	+1.8	11.1	5	-5.4	28	4.9	5.9	105	255	18	19	21	19	2	1	0	0	0	4	7	15	-	0	2.14	90	-
HERTFORDSHIRE																																
ALDENHAM SCHOOL ...	9 9	91	8.7	2.3	5.5	-	11.0	5	-5.0	28	4.9	-	124	276	17	9	23	21	0	1	0	0	4	1	7	15	12	0	-	-	-
GARSTON	9 9	78	8.9	2.6	5.7	-	11.7	5.20	-4.5	28	-	-	111	235	16	19	22	20	2	1	0	3	4	1	6	12	12	0	2.65	-	-
HODDESDON	9 9	43	9.2	2.5	5.9	-	11.8	5.7	-4.0	28	5.6	-	89	199	14	18.20	19	18	1	1	0	0	2	-	7	-	-	0	2.27	-	-
ROTHAMSTED	9 9	128	8.2	2.0	5.1	+2.1	10.8	5	-4.0	28	4.9	5.5	109	227	18	18	23	19	1	1	0	0	2	3	7	17	-	0	2.38	103	-
ST ALBANS	9 9	83	8.5	2.5	5.5	+2.2	11.3	5	-3.3	28	4.8	-	111	259	17	18	21	19	1	1	0	1	3	3	5	16	-	0	2.56	-	-
STANSTEAD ABBOTTS ...	9 9	30	9.1	(2.1)	5.6)	-	11.8	6	-4.0	28	-	6.4	85	203	16	20	20	16	-	1	-	-	-	1	(7)(	13)	-	-	-	-	-
ESSEX																																
CLACTON-ON-SEA	9 9	16	7.9	3.6	5.7	+2.0	10.4	6	-1.5	2	6.0	6.8	56	143	13	9	14	12	1	0	0	0	0	1	2	12	-	0	3.10	122	-
HALSTEAD	9 9	70	8.1	2.4	5.3	-	11.0	5.23	-3.3	2	4.6	5.4	70	-	13	20	24	14	2	2	0	0	0	2	6	15	-	0	-	-	-
HARLOW	9 9	79	8.7	2.5	5.6	-	11.3	22	-3.6	28	-	6.2	81	189	20	20	18	15	3	1	0	1	1	1	6	-	-	0	-	-	-
LITTLE PARNDON	9 9	54	8.7	2.7	5.7	-	11.4	5.22.23	-3.9	28	-	-	79	193	17	20	19	16	1	0	0	0	1	1	5	-	-	0	-	-	-
MALDON	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOEBURYNESS	21-9	2	8.7	3.8	6.3	+2.1	11.4	20	-5.5	2	-	-	52	148	7	9	19	12	2	0	0	1	0	1	3	13	9	0	3.16	127	-
STANFORD-LE-HOPE ...	9 9	6	9.2	2.5	5.9	-	12.0	5	-4.0	2	-	-	46	-	9	19	18	13	1	-	0	0	0	1	6	-	-	0	3.09	-	-
STANSTED	21-9	101	8.0	2.5	5.3	-	11.1	5	-4.2	2	-	-	81	184	12	19	21	18	2	1	0	0	1	2	5	13	11	0	-	-	-
WRITTLE	9 9	32	8.8	2.0	5.4	+1.8	11.6	5.22	-5.0	2	5.2	-	74	180	11	19	22	15	1	2	0	0	0	3	8	21	-	0	2.60	112	S

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

FEBRUARY 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (LIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM						MOST IN A DAY		PRECIP-ITATION												
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE	30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	AMOUNT (MM)	DATE	0.2 MM OR MORE	1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
4 MIDLAND COUNTIES																													
WEST YORKSHIRE																													
BRADFORD	9 9	134	5.8	1.0	3.4	+0.5	9.5	5	-4.6	28	3.1	4.1	168	233	29	22	23	21	8	0	1	0	0	2	6	17	-	0	1.86	94	S
BRAMHAM	9 9	54	6.3	1.3	3.8	-	10.3	5	-4.1	28	-	-	155	316	33	22	21	15	1	0	0	0	1	2	6	15	-	0	-	-	-
HUDDERSFIELD																													
OAKES	21-9	232	5.5	0.8	3.1	+0.5	9.3	5	-5.0	28	3.1	4.0	209	252	32	24	24	22	7	9	0	0	0	12	9	18	20	2	1.82	91	-
RAVENSKNOWLE	9 9	99	6.4	1.3	3.9	+0.7	10.4	5.6	-5.5	28	3.3	4.3	182	285	31	24	25	22	3	2	0	0	0	2	6	11	-	0	1.61	93	-
ILKLEY	9 9	83	6.1	1.7	3.9	+0.9	9.5	6	-5.5	28	-	-	155	224	24	22	22	18	4	0	0	0	0	5	5	5	-	0	1.52	71	-
TODMORDEN	9 9	160	5.6	0.8	3.2	-	9.0	6	-5.4	26.28	-	-	197	-	22	24	22	21	6	0	1	0	0	3	6	-	-	0	-	-	-
PONTEFRACT	9 9	78	6.7	1.7	4.2	+0.9	10.5	6	-2.8	28	-	-	117	292	22	22	22	18	3	0	0	0	0	7	6	-	-	0	-	-	-
WILSDEN	9 9	262	4.7	-0.1	2.3	-	8.5	6	-7.6	28	-	-	167	-	19	24	24	21	8	7	0	1	0	7	13	17	16	0	-	-	-
SOUTH YORKSHIRE																													
FINNINGLEY	21-9	10	7.0	1.8	4.4	-	11.3	5	-4.2	28	-	-	105	263	14	9	22	17	4	0	0	0	0	3	7	16	14	0	2.07	-	-
SHEFFIELD																													
DORE	9 9	206	5.5	0.9	3.2	-	9.4	6	-3.8	26	-	-	215	-	28	24	24	22	7	10	1	1	0	8	5	-	-	1	-	-	-
WESTON PARK	9 9	131	6.3	1.5	3.9	+0.4	10.1	6	-4.1	28	3.5	4.6	201	301	38	24	24	22	4	0	0	0	0	-	6	-	-	0	1.91	99	S
DERBYSHIRE																													
ASHOVER	9 9	178	5.7	0.9	3.3	-	9.1	5	-5.5	26	-	-	234	-	50	24	23	23	8	8	0	0	0	7	6	12	-	0	1.57	-	-
BUXTON	9 9	307	4.6	0.4	2.5	+0.8	8.5	6	-7.4	26	2.7	3.3	264	264	41	10	25	24	8	9	0	0	1	9	7	15	-	0	-	-	S
DERBY	9 9	48	7.2	1.9	4.5	-	10.6	6	-3.5	28	-	-	192	417	43	24	22	21	1	0	0	0	0	4	5	12	-	0	1.39	-	-
MORLEY	9 9	107	6.7	1.1	3.9	-	10.3	5	-5.1	1	-	-	232	474	45	24	23	22	3	0	0	0	0	7	8	16	-	0	1.43	-	-
WINGERWORTH	9 9	126	5.9	0.8	3.3	-	9.7	6	-6.3	26	3.2	-	209	-	36	24	24	23	4	4	0	0	1	9	6	20	-	0	1.53	-	S
NOTTINGHAMSHIRE																													
MANSFIELD	9 9	114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEWTHORPE	9 9	58	-	-0.7	-	-	-	-	-7.6	1	-	-	206	-	39	24	22	20	-	-	-	-	-	-	13	-	-	-	-	-	-
NOTTINGHAM	9 9	59	7.2	2.3	4.7	+1.0	11.0	6	-3.0	1	3.9	4.3	180	449	30	10	23	19	1	1	0	0	0	5	4	14	-	0	1.53	81	-
SUTTON BONINGTON ...	9 9	48	-	2.1	-	-	-	-	-3.1	28	4.5	5.1	177	420	40	24	23	20	1	1	0	0	1	0	5	14	10	0	1.64	73	-
WARSOP	9 9	46	6.6	1.4	4.0	-	9.9	5	-5.6	28	-	-	147	326	18	24	23	21	2	1	0	0	0	5	6	14	-	0	1.85	-	-
WATNALL	21-9	117	6.5	2.0	4.3	+1.0	10.5	5	-3.7	1	-	-	198	374	35	24	23	21	5	3	0	2	0	4	5	16	10	0	1.61	77	-
STAFFORDSHIRE																													
KEELE	9 9	179	6.0	1.5	3.7	-	9.8	5	-2.6	28	3.8	4.6	166	308	37	10	24	23	2	1	0	0	0	4	5	11	8	0	1.44	-	-
OAKEN	9 9	125	6.9	1.1	4.0	+1.1	11.1	5	-3.3	28	4.7	-	120	261	16	9	24	22	4	2	1	0	0	4	7	9	-	0	-	-	S
PENKRIDGE	9 9	101	(6.9)	1.1	4.0)	-	10.6	5	-4.3	1	-	-	123	268	16	10	24	21	3	1	0	0	0	7	7	10	-	0	-	-	S
STONE	9 9	107	6.4	1.8	4.1	-	10.0	6	-2.9	28	-	-	142	296	25	10	25	23	6	1	1	0	0	3	5	12	-	0	1.71	-	-
LEICESTERSHIRE																													
CALDECOTT	9 9	52	7.7	1.8	4.7	-	10.8	5	-7.9	2	-	-	117	292	16	24	22	19	1	2	0	0	0	4	5	13	-	0	1.75	-	-
NEWTOWN LINFORD ...	9 9	119	6.8	1.0	3.9	-	10.1	5.6	-5.5	1	-	-	167	356	26	24	24	22	2	2	1	0	1	4	5	13	-	0	1.44	-	-
SALOP																													
HAMPTON LOADE	9 9	64	7.7	2.7	5.2	-	11.4	8	-3.5	28	-	-	107	-	17	9	23	22	-	-	-	-	-	-	4	-	-	-	1.87	-	-
NEWPORT	9 9	64	7.3	2.3	4.8	+1.7	10.8	5	-3.1	26	-	-	102	242	13	9	25	23	2	0	0	0	0	5	5	11	-	0	2.13	98	S
OSWESTRY	9 9	174	6.5	1.4	3.9	+0.7	9.4	6	-2.5	28	-	-	158	239	22	9	24	22	6	2	0	2	0	5	6	13	-	0	1.67	68	S
PRESTON MONTFORD ...	9 9	67	(7.4)	2.1	4.7)	-	10.8	6	-2.6	28	4.5	4.9	114	-	15	9	24	22	1	1	0	0	0	0	5	(14)	-	0	1.95	-	-
SHAWBURY	21-9	72	7.2	2.5	4.9	+1.4	10.7	6	-3.4	1	-	-	111	258	15	9	24	22	3	0	0	0	0	0	5	15	9	0	1.84	80	-
SHREWSBURY	9 9	56	7.5	2.5	5.0	+1.3	11.2	6	-2.4	26	4.8	5.5	100	243	13	9	23	21	1	0	0	0	0	1	5	11	-	0	2.13	91	-
WEST MIDLANDS																													
BIRMINGHAM																													
EDGBASTON	21-9	163	6.8	2.7	4.7	+1.2	10.3	5	-2.0	28	5.3	-	138	255	17	9	23	21	5	2	1	0	1	6	4	9	7	0	1.75	86	-
ELMDON AIRPORT ...	21-9	96	7.2	2.2	4.7	+1.4	10.6	5	-5.3	28	-	-	139	-	17	24	24	21	4	1	1	0	1	3	7	12	11	0	1.84	83	-
KING EDWARD SCHOOL ...	9 9	137	7.1	1.4	4.3	-	10.7	5	-3.1	27.28	-	-	135	270	16	9	23	19	-	2	-	-	-	3	7	-	-	-	-	-	-
COVENTRY AIRPORT ...	9 9	81	7.5	1.3	4.4	-	10.5	5	-5.4	28	4.7	5.2	128	-	15	23	23	19	1	1	0	0	0	2	9	-	-	0	1.85	-	-
WARWICKSHIRE																													
LONG LAWFORD	9 9	87	7.6	1.8	4.7	-	10.8	5	-3.3	27	4.4	-	123	-	21	23	24	20	4	2	2	2	0	3	6	16	-	0	-	-	-
LUDDINGTON	9 9	56	8.1	2.2	5.1	-	11.0	5.8	-3.4	28	-	-	107	-	16	9	23	20	1	0	0	0	0	4	5	10	-	0	2.33	-	-
MORETON MORRELL ...	9 9	85	8.1	2.0	5.1	-	11.2	5	-5.5	28	-	-	107	269	14	23	23	19	1	2	0	0	0	0	6	11	-	0	1.96	-	-
RUGBY	9 9	117	7.4	1.6	4.5	+1.2	10.9	5	-3.2	28	4.0	5.1	108	245	16	23	21	16	2	3	1	0	0	4	8	16	8	0	-	-	-
SHIPSTON-ON-STOUR ...	9 9	111	8.2	2.3	5.3	+2.0	11.4	5	-3.0	28	4.8	-	119	285	17	9	22	20	1	0	0	1	1	3	5	14	-	1	2.33	94	-
STRATFORD-UPON-AVON ...	9 9	49	8.3	1.9	5.1	+1.6	11.5	8	-4.3	28	5.2	-	117	317	18	9	23	18	-	0	-	-	-	2	6	(19)	-	-	2.00	87	-
WELLESBOURNE	9 9	47	8.2	2.6	5.4	-	11.2	5.6	-3.0	28	4.8	5.3	109	288	15	23	22	18	-	0	-	-	-	2	5	13	12	-	2.08)	-	-
NORTHAMPTONSHIRE																													
BUGBROOKE MILLS ...	9 9	69	8.1	1.7	4.9	-	11.0	6	-4.0	27	4.8	-	108	270	16	23	23	19	1	3	0	0	0	4	7	-	-	0	2.15	-	-
MOULTON PARK	9 9	122	7.6	(1.8)	4.7)	-	10.6	11	-3.0	1.28	4.5	5.4	98	-	14	9	20	17	2	3	0	0	0	3	7	14	-	0	-	-	S
RAUNDS	9 9	59	8.0	1.7	4.9	+1.6	11.7	5	-4.5	2	4.5	5.4	101	253	12	18	24	18	2	2	0	0	2	4	6	15	-	0	1.67	74	S
HEREFORD & WORCESTER																													
ASTWOOD BANK	9 9	139	7.4	1.7	4.5	-	10.8	8	-4.5	1	-	-	131	-	20	9	25	19	2	2	0	0	0	5	6	9	-	0	-	-	-
HEREFORD	9 9	52	8.8	3.1	5.9	-	11.7	5	-3.8	1	5.3	6.1	101	234	18	9	21	16	0	0	0	0	0	5	5	9	-	0	2.79	-	-
LYONSHALL	9 9	155	7.1	2.3	4.7	+1.4	10.5	5	-2.8	28	-	-	139	240	20	9	25	22	-	0	-	-	-	-	5	17	-	-	-	-	-
MALVERN	9 9	62	8.5	3.1	5.8	-	11.3	5.6	-2.8	28	4.8	5.5	145	316	25	9	23	22	1	0	0	0	0	4	5	8	-	0	2.10	83	S
PERSHORE																													
COLLEGE OF HORT. ...	9 9	40	8.3	2.9	5.6	-	10.8	8	-2.6	28	-	-	101	265	14	19	23	19	1	0	1	0	0	0	5	7	-	0	2.46	-	-
ROYAL RADAR EST. ...	21-9	35	8.4	2.9	5.7	-	11.0	5	-3.3	28	-	-	103	294	16	9	24	17	3	1	0	0	0	1	4	9	9	0	2.31	-	-
PRESTON WYNNE	9 9	84	7.9	2.5	5.2	-	11.2	6	-2.3	1	-	-	95	217	19	9	21	17	3	0	0	0	0	2	5	12	-	0	2.41	-	-
GLOUCESTERSHIRE																													
CHELTENHAM	9 9	65	9.2	2.7	5.9	+1.9	12.0	5	-2.9	28	-	-	120	286	20	23	22	18	0	0	0	0	0	0	5	-	-	0	2.54	108	-
INNSWORTH	21-9	21	8.9	3.9	6.4	-	11.7	5	-2.3	28	-	-	103	-	15	2	20	16	2	0	4	0	1	0	4	5	6	0	2.60	-	-
OXFORDSHIRE																													
BENSON	21-9	67	8.9	3.4	6.1	-	11.5	7	-3.3	28	-	-	79	-	13	19	21	15	1	1	0	0	1	1	5	9	-	0	3.21	-	-
BRIZE NORTON	21-9	81	8.5	2.8	5.7	-	11.6	5	-4.6	1	-	-	121	-	16	19	21	19	1	1	0	2	1	3	5	13	7	0	2.97	-	-
LETCOMBE REGIS	9 9	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OXFORD	9 9	63	8.9	3.3	6.1	+2.1	11.7	5	-2.6	28	4.9	5.5	114	279	15	19	23	19	1	2	1	0	1	1	4	8	-	3	2.66	105	-
SHIRBURN(MODEL FARM) ...	9 9	108	8.8	2.8	5.8	-	11.5	5.20	-3.0	27	-	-	92	-	18	19	23	16	2	1	0	0	0	1	6	11	-	0	-	-	-
WALLINGFORD	9 9	48	9.1	3.1	6.1	-	11.7	5	-4.2	28	5.6	6.3	82	227	13	19	22	15	1	0	0	0	1	1	6	9	-	0	2.95	-	S
BUCKINGHAMSHIRE																													
AYLESBURY	9 9	96	8.5	(3.4)	5.9)	+2.6)	11.1	5	-4.2	28	-	-	92	219	13	19	21	18	1	1	2	0	1	4	6	11	-	0	2.58	111	S
GRENDON UNDERWOOD ...	9 9	67	8.6	1.7	5.1	-	11.7	5	-8.0	2	5.2	5.8	113	283	16	18	22	21	1	1	0	0	0	1	6	11	-	0	2.44	-	-
MEDMENHAM	9 9	30	9.2	2.0	5.6	-	11.6	5.21	-4.4	28	-	-	102	218	18	9	22	17	-	-	-	-	-	-	7	19	-	-	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	TERMINAL (LIGHT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	BRIGHT SUNSHINE EXPOSURE
S ENGLAND SE & CENTRAL S.																																
GREATER LONDON																																
BROMLEY	9 9	65	9.2	3.3	6.3	+2.2	12.0	5.20	-3.0	27.28	-	-	58	129	11	18	21	14	-	1	-	-	-	-	3	-	-	-	-	-	-
ENFIELD	9 9	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GREENWICH	9 9	7	9.7	3.7	6.7	-	12.3	5	-3.5	28	-	-	63	157	11	24	19	14	0	1	0	0	1	1	2	(9)	-	0	2.83	-	-
HAMPSTEAD	9 9	137	8.3	3.0	5.7	+2.2	11.2	5	-1.5	28	-	-	70	158	12	19	20	17	1	1	0	0	0	3	4	15	-	0	2.54	114	S
HAMPTON	9 9	12	9.2	(3.6)	6.4)	+2.1)	12.1	20	-2.1	28	-	-	67	172	11	9	20	17	1	1	0	0	1	1	4	11	-	0	3.14	135	-
HARROW WEALD	9 9	98	8.9	2.1	5.5	-	11.0	7.8.24	-3.5	2.28	5.5	6.4	124	-	22	24	22	19	-	-	-	-	-	-	7	9	-	-	-	-	-
HEATHROW AIRPORT	21-9	25	9.4	3.7	6.5	+2.2	13.0	20	-1.6	28	-	-	65	168	11	18	19	16	1	1	0	0	2	1	3	9	8	0	2.97	-	-
KENSINGTON PALACE	9 9	25	(9.5)	4.0	6.7)	+2.2)	12.1	20.23	-0.6	2	6.0	6.7	65	155	10	18	20	15	1	1	0	0	0	1	2	12	-	0	-	-	-
KEW	21-9	6																													
PSYCHROMETER			9.2	3.2	6.2	-	12.7	20	-5.3	28	5.5	6.3	62	163	10	9	19	15	2	1	0	0	3	1	6	12	10	0	3.22	141	-
NORTH WALL SCREEN			9.2	4.2	6.7	+2.2	12.7	20	-1.9	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LONDON																															
WEATHER CENTRE (X)	21-9	77	9.7	5.1	7.4	-	12.2	5	0.6	27	-	-	60	-	9	9	20	15	1	0	1	1	2	0	0	-	-	0	3.03	160	-
ST JAMES PARK	9 9	4	9.6	4.4	7.0	+2.3	12.5	20	-0.4	28	-	-	69	172	10	18	20	15	-	0	-	-	-	-	2	11	-	-	-	-	-
SOUTHGATE	9 9	67	9.1	(2.9)	6.0)	+2.1)	12.1	7	-2.4	28	5.3	-	81	180	14	19	20	17	1	1	0	0	1	2	(6)	(14)	-	0	2.96	142	-
WADDON	9 9	59	-	(3.7)	-	-	-	-	-4.0	28	-	-	67	143	14	18	20	14	-	-	-	-	-	-	(3)	-	-	-	-	-	-
WEALDSTONE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.48	-	-
WILTSHIRE																															
BOSCOMBE DOWN	21-9	126	8.5	2.8	5.7	+2.0	12.1	20	-2.2	28	-	-	125	272	19	9	24	19	1	0	0	0	0	3	7	11	10	1	2.66	104	-
LACOCK	9 9	49	9.1	2.9	6.0	-	11.4	5	-2.6	1	-	-	128	273	17	19	23	18	-	-	-	-	-	1	5	10	-	-	-	-	-
LARKHILL	9 9	132	9.0	2.5	5.7	+2.4	11.9	20	-2.6	27	-	-	135	276	19	18	23	21	2	0	2	0	0	4	7	12	9	0	-	-	-
LYNEHAM	21-9	145	8.2	2.7	5.5	+2.2	11.1	5	-3.5	1	-	-	140	298	18	5	21	18	3	1	0	1	0	2	5	13	10	0	3.02	-	-
PORTON	9 9	110	8.8	2.5	5.7	+2.3	11.5	20	-3.0	15.27	5.0	-	113	222	20	9	24	17	-	0	-	-	-	2	7	10	11	1	2.80	108	-
TROWBRIDGE	9 9	37	9.2	2.6	5.9	-	11.5	20	-2.4	1	5.4	-	131	-	15	18	22	19	0	1	2	4	3	1	7	13	-	1	-	-	-
UPAVON	21-9	179	8.3	2.5	5.4	-	12.6	20	-2.3	1.28	-	-	123	246	18	9	22	19	2	1	1	0	0	3	6	13	9	1	-	-	-
BERKSHIRE																															
EASTHAMPSTEAD	9 9	77	9.0	2.5	5.7	-	12.5	20	-6.0	28	5.4	5.9	86	-	16	9	23	17	3	1	1	0	2	1	7	12	10	0	2.87	-	-
HURLEY	9 9	43	9.0	2.7	5.9	-	11.6	5	-4.0	28	5.1	-	102	216	17	9	22	18	1	1	0	0	0	2	6	11	-	0	2.47	-	-
LAMBOURN(WARREN FARM)	9 9	192	(7.7)	(2.1)	4.9)	-	10.2	5	-3.3	1	4.8)	-	111	-	17	18	22	17	-	1	-	-	-	3	7	-	-	-	-	-	-
READING	9 9	66	8.9	2.9	5.9	-	12.3	20	-2.9	27	5.6	6.1	95	-	16	9	21	14	1	0	0	1	1	1	4	16	12	1	3.09	-	-
SHINFIELD(N.I.R.D.)	9 9	62	9.1	2.2	5.7	-	12.5	20	-3.5	28	-	-	91	-	16	9	21	13	1	0	0	1	1	3	7	12	-	0	3.18	-	-
SURREY																															
MERRIST WOOD	9 9	46	9.1	3.0	6.1	-	12.2	20	-5.1	27	5.3	-	73	-	14	9.18	22	16	1	1	0	0	0	1	5	12	-	0	2.98	-	-
MICKLEHAM	9 9	55	9.0	2.4	5.7	+2.2	12.5	20	-6.1	28	4.9	5.5	78	150	16	18	19	14	1	1	0	0	0	2	6	18	-	0	-	-	-
WISLEY	9 9	35	9.6	3.1	6.3	+2.3	12.6	20	-5.1	28	5.4	6.1	62	143	11	18	19	15	1	1	0	0	0	4	3	10	-	0	3.33	149	-
KENT																															
DOVER R.M.S.	9 9	123	7.8	3.2	5.5	-	10.9	20	-1.4	2	-	-	88	133	12	9	26	15	0	0	1	0	1	1	2	8	-	0	-	-	-
DUNGENESS	9 9	3	8.6	5.1	6.9	-	10.3	8	-0.5	2	-	-	74	148	9	19	23	17	0	0	3	0	1	3	1	-	-	0	-	-	-
EAST MALLING	9 9	32	9.1	3.0	6.1	+2.4	11.9	20	-3.6	2	5.1	5.7	69	147	10	9	22	19	2	1	0	1	1	1	4	14	10	1	2.79	120	-
ELMSTONE	9 9	5	9.4	2.8	6.1	-	12.7	20	-5.0	2	-	-	51	107	8	18	22	13	0	0	0	0	0	1	2	5	10	-	0	-	-
FAVERSHAM	9 9	48	8.9	3.1	6.0	-	11.7	20	-3.8	28	5.1	5.8	64	140	9	9	22	14	0	0	0	0	2	1	2	3	8	-	0	2.96	-	-
FOLKESTONE	9 9	31	8.4	3.7	6.1	-	11.9	20	-5.2	2	-	6.5	74	135	10	19	22	16	0	0	0	0	0	1	2	1	12	-	6	3.12	113	-
GILLINGHAM	9 9	4	9.2	2.8	6.0	-	11.8	5	-4.4	28	-	-	62	145	9	9	23	15	-	-	-	-	-	-	5	-	-	-	-	-	-
GOUDHURST	9 9	85	8.2	2.7	5.5	+2.2	10.7	6.20	-5.3	28	-	-	97	152	16	9	21	19	1	1	0	0	0	1	4	12	-	0	-	-	-
HADLOW COLLEGE	9 9	30	9.1	2.8	5.9	-	11.3	5	-4.2	28	5.4	6.3	76	-	11	9	22	18	1	0	0	0	0	1	5	(18)	-	0	3.06	-	-
HERNE BAY	9 9	31	8.8	3.1	5.9	-	11.5	5.20.24	-2.0	2.28	5.5	-	52	-	9	18	17	12	0	0	0	0	0	1	3	8	-	0	3.23	132	-
MANSTON	21-9	44	8.4	3.5	5.9	-	11.3	22	-2.6	2	-	-	43	97	7	19	19	10	2	0	0	1	0	3	2	9	5	1	3.11	-	-
MARGATE	9 9	16	9.0	4.3	6.7	+2.2	11.9	22	-0.8	2	5.5	5.7	43	103	8	19	17	13	1	0	0	0	0	1	1	5	-	1	2.45	96	-
ULCOMBE	21-9	47	8.9	3.2	6.1	-	12.2	20	-2.9	2	-	-	70	-	9	9	22	17	1	0	0	0	0	1	1	5	12	8	0	3.05	-	-
WYE	9 9	56	8.7	3.2	5.9	+2.2	11.7	20	-3.3	2	5.7	6.1	78	140	11	9	20	16	1	0	0	0	0	3	3	14	-	0	2.71	109	-
HAMPSHIRE																															
ALICE HOLT LODGE	9 9	115	8.4	2.3	5.3	+1.9	11.5	20	-5.1	28	-	-	97	173	21	9	24	17	1	1	0	0	0	2	5	11	-	0	3.15	-	-
EVERTON	9 9	16	9.1	4.3	6.7	-	11.3	20	-0.4	12	-	-	115	218	20	9	23	17	1	0	0	0	0	2	1	10	-	0	2.97	-	-
HAYLING ISLAND	9 9	4	8.7	4.2	6.5	-	10.2	14.20	0.2	26.28	-	-	104	216	15	9	22	21	0	0	0	0	0	1	0	-	-	2	3.07	-	-
LECKFORD	9 9	117	8.4	2.6	5.5	+2.0	11.2	20	-2.5	28	5.2	-	131	257	25	9	22	21	0	0	0	0	0	3	9	-	-	0	2.77	107	-
LONG SUTTON	9 9	145	8.4	(2.4)	5.4)	-	10.6	5	-2.8	27.28	-	-	106	197	24	9	22	17	1	1	0	0	0	2	(7)	11	9	0	3.34	142	-
MARTYR WORTHY	9 9	84	8.7	2.6	5.7	-	11.0	20	-3.4	1	-	-	122	226	26	9	23	19	0	0	2	0	0	2	7	14	-	1	2.82	-	-
SOUTHAMPTON																															
MAYFLOWER PARK	9 9	3	9.6	4.0	6.8	+1.9	12.0	20	0.0	28	6.9	8.5	123	-	25	9	23	18	0	0	0	1	0	1	0	11	10	0	2.92	112	-
WEATHER CENTRE (X)	21-9	19	9.5	4.9	7.2	-	12.7	20	0.1	28	-	-	127	-	26	9	24	19	0	-	0	1	0	1	0	-	6	0	-	-	-
SOUTHSEA	9 9	2	9.3	4.9	7.1	+2.2	10.9	3.6	0.8	28	6.3	7.1	100	204	15	9	23	19	0	0	0	0	0	0	0	10	-	0	-	-	-
SPARSHOLT	9 9	113	8.6	2.8	5.7	-	11.1	20	-2.1	28	-	-	130	-	26	9	24	20	0	0	0	0	0	3	8	12	-	2	2.95	-	-
ISLE OF WIGHT																															
RYDE	9 9	4	9.3	5.1	7.2	+2.3	11.1	3	1.0	1	-	-	114	208	14	9	23	19	0	0	1	0	0	0	0	-	-	0	2.89	104	-
ST CATHERINES POINT	9 9	16	8.6	4.9	6.7	+2.0	12.2	23	0.6	1	-	-	99	195	12	19	22	19	0	0	2	0	0	1	0	-	-	3	-	-	-
SANDOWN	9 9	4	9.0	4.7	6.9	+1.9	10.8	20	-1.0	2	-	-	128	237	19	9	21	18	0	-	0	0	0	1	1	-	-	0	3.23	111	-
SHANKLIN	9 9	55	8.6	5.2	6.9	+2.4	10.0	4.6.20	0.0	2	-	-	134	213	23	9	23	19	1	0	0	0	0	1	0	-	-	0	2.95	98	-
VENTNOR	9 9	135	9.0	4.7	6.9	+2.1	11.8	13	0.3	1	6.5	7.1	122	211	19	9	23	20	0	0	0	0	0	2	0	1	-	0	3.08	102	-
WEST SUSSEX																															
BOGNOR REGIS	9 9	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GATWICK AIRPORT	21-9	59	8.7	2.9	5.8	-	10.9	20	-5.2	27	-	-	81	146	14	9	20	16	1	1	1	0	0	2	4	13	8	0	3.02	-	-
HURSTPIERPOINT	9 9	30	9.2	3.2	6.2	-	11.8	6	-5.0	28	-	-	105	-	23	9	21	18	-	-	-	-	-	-	4	-	-	-	-	-	-
LITTLEHAMPTON	9 9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH HEATH	9 9	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROGATE	9 9	64	9.1	3.5	6.3	-	12.4	20	-2.5	27	6.1)	-	126	-	19	9	23	19	0	0	0	0	0	4	2	14	-	0	-	-	S
RUSTINGTON	9 9	8	9.0	3.9	6.5	-	11.0	20	-1.6	2	-	6.9	100	-	14	9	19	19	-	0	-	-	-	-	3	11	-	-	2.66	-	-
WORTHING	9 9	2	8.9	4.4	6.7	-	11.0	8	-1.4	2	6.6	-	89	-	13	9	20	16	0	0	0	0	0	1	3	8	-	0	3.12	-	-
EAST SUSSEX																															
BEXHILL	9 9	4	8.9	4.8	6.9	+2.6	10.9	8	-2.8	2	-	-	74	137	10	19	23	17	0	0	0	0	1	2	1	7	-	2	3.15	115	-
BRIGHTON	9 9	10	8.4	3.8	6.1	+1.6	10.5	22	-1.6	28	-	7.2	85	167	11	9	21	19	0	0	0	0	0	2	3	3	-	2	3.01	106	-
EASTBOURNE	9 9	7	9.1	4.9	7.0	+2.5	11.0	24	-0.4	2	6.6	7.3	82	141	12	9	21	16	0	0	0	0	1	0	3	1	4	-	1	3.40	119	-
EAST HORTHLY	9 9	38	8.9	3.3	6.1	-	10.8	8	-3.9	28	-	-	82	147	12	9	22	18	1	0	0	0	0	3	4	9	7	0	2.82	-	-
HASTINGS	9 9	45	8.5	4.6	6.5	+2.2	11.0	8	0.6	2	6.3	7.1	75	142	10	19	19	18	0	0	1	0	2	4	0	7	-	3	3.17	114	-
HERSTMONCEUX	21-9	17	8.7	3.9	6.3	-	10.9	24	-2.5	2	-	-	-	-	-	-	-	-	1	0	0	1	1	2	5	-	-	4	-	-	-
PLUMPTON	9 9	76	8.5	3.7	6.1	-	10.7	20	-3.6	28	-	-	121	168	15	9	22	20	-	0	-	-	-	5	2	9	-	-	2.67	-	S

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

FEBRUARY 1977

DISTRICT REGION/COUNTY AND PLACE	MAX.- TERMINAL (HGHT) MIN.- OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY		PRECIP-ITATION		SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. C BELOW 0 DEG C	CONCRETE MIN. C BELOW 0 DEG C	GALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE	0.2 MM OR MORE	1.0 MM OR MORE											EXPOSURE
7A ENGLAND NW & I.O.M.																													
CUMBRIA																													
CARLISLE	21-9	26	6.7	1.7	4.2	-	10.0	5	-5.1	26	4.1	5.0	65	127	14	6	16	12	5	0	0	0	0	1	8	17	8	0	2.29	-	-
CARTMEL	9 9	34	6.5	1.3	3.9	-	8.4	8	-5.6	1	-	-	120	-	17	2	17	14	0	0	0	0	0	1	5	-	-	0	-	-	-
GRIZEDALE	9 9	91	-	0.6	-	-	-	-	-5.7	26	3.4	-	163	119	24	1	22	18	5	2	2	0	0	1	9	21	-	0	-	-	-
MOOR HOUSE	9 9	556	1.7	-2.6	-0.5	-	5.0	6	-12.1	27	1.4	-	199	117	25	1	24	20	18	17	2	2	0	12	23	27	-	3	1.49	-	-
NEWTON RIGG	9 9	171	5.5	0.2	2.9	+0.4	9.2	5	-7.5	1	3.0	-	69	97	9	2	20	14	1	3	0	0	0	0	10	18	-	0	1.65	68	S
SELLAFIELD	9 9	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LANCASHIRE																													
HAZELRIGG	9 9	94	6.6	1.9	4.3	-	9.3	5	-3.4	1	-	-	97	-	12	10	20	15	4	1	0	2	0	1	5	8	-	1	2.27	-	-
HELMSHORE	9 9	260	(5.1)	0.6	2.9)	-	8.0	6.14	-5.5	1	3.6	-	193	182	21	9	24	21	9	6	0	1	0	4	7	18	-	0	1.50	-	-
KIRKHAM	9 9	24	6.7	1.9	4.3	-	9.4	5	-3.9	1	-	-	114	193	13	6	22	17	2	1	0	0	0	1	5	15	-	0	2.14	-	-
MORECAMBE	9 9	7	7.0	2.4	4.7	+1.0	9.6	5	-3.8	1	-	-	92	151	12	2	21	16	1	1	0	0	0	0	5	-	-	0	2.11	82	-
PRESTON	9 9	33	7.1	2.4	4.7	-	10.0	14	-3.9	1	-	-	120	194	20	24	22	18	3	2	0	0	0	0	5	15	-	0	-	-	-
SLAIDBURN	9 9	192	5.0	0.8	2.9	-	8.0	6	-6.4	26	-	-	174	158	18	17	24	20	10	5	0	0	0	3	7	13	-	0	1.24	-	-
SQUIRES GATE AIRPORT ...	21-9	10	7.2	2.1	4.7	+0.8	9.9	21	-4.6	1	-	-	125	232	15	24	21	20	6	0	0	0	0	0	6	11	9	0	2.21	84	-
STONYHURST	9 9	115	6.1	1.3	3.7	+0.6	8.8	6	-4.7	1	-	-	136	168	14	24	22	19	-	4	-	-	-	1	7	10	-	-	1.66	76	-
MERSEYSIDE																													
AIGBURTH	9 9	12	7.4	2.8	5.1	-	10.1	5	-1.1	26	-	-	140	-	26	10	24	20	1	0	0	1	0	0	3	-	-	0	-	-	-
BIDSTON	9 9	60	6.7	2.9	4.8	-	10.1	6	-0.5	28	-	-	115	-	20	10	22	19	1	-	0	0	0	3	3	7	-	0	2.30	-	-
ST HELENS	9 9	76	6.6	2.0	4.3	-	9.8	6	-3.1	1	3.8	-	149	-	18	10	25	22	-	-	-	-	-	-	5	-	-	-	1.61	-	S
SOUTHPORT	9 9	5	7.0	1.9	4.5	+0.8	10.0	5	-4.0	1	4.8	6.9	105	199	13	24	22	17	-	-	-	-	-	-	6	9	-	-	1.96	76	-
SPEKE AIRPORT	21-9	22	7.1	2.6	4.9	+0.6	10.4	7	-3.4	1	-	-	131	-	22	10	24	21	7	1	0	0	0	0	4	10	8	0	2.16	96	-
WEST KIRBY PARK ...	9 9	8	7.8	2.5	5.1	+1.0	10.8	5.7	-2.7	26	-	-	120	250	29	10	24	18	0	0	0	0	0	-	4	8	-	0	-	-	-
GREATER MANCHESTER																													
BOLTON	9 9	107	6.5	1.5	4.0	-	9.8	5	-4.2	1	4.0	4.7	129	-	19	24	21	20	1	1	0	0	0	2	6	9	-	2	1.43	72	-
MANCHESTER																													
RINGWAY AIRPORT ...	21-9	75	7.1	2.8	4.9	+1.2	10.6	6	-2.6	26	-	-	161	303	37	24	23	20	6	1	0	1	0	1	4	5	8	0	2.02	92	-
WEATHER CENTRE (X)	21-9	69	7.7	3.6	5.7	-	10.7	5	-1.8	1	-	-	148	-	26	24	22	19	-	-	-	-	-	0	3	-	-	0	1.61	-	-
CHESHIRE																													
KNUTSFORD	9 9	65	6.9	1.7	4.3	-	10.2	5.6	-3.1	26	3.9	4.3	160	296	29	24	22	22	3	4	0	0	0	0	5	15	-	0	-	-	-
MACCLESFIELD	9 9	152	6.2	1.8	4.0	+1.1	9.5	6	-3.5	26	-	-	167	265	34	10	24	20	2	1	2	1	0	2	4	-	-	0	-	-	-
NESS GARDENS	9 9	55	7.3	2.1	4.7	-	10.5	6	-2.6	28	4.7	-	131	279	23	10	23	19	1	0	0	1	0	0	4	15	-	2	2.04	-	S
ISLE OF MAN																													
DOUGLAS	9 9	87	6.5	2.9	4.7	+0.4	8.9	6	-0.7	26	-	-	185	237	33	9	23	20	0	0	0	0	0	1	2	9	-	0	2.30	82	-
POINT OF AYRE	21-9	9	7.1	3.5	5.3	+0.3	10.0	5	0.0	1	-	-	116	219	17	2	20	16	0	0	0	0	0	0	0	-	-	1	2.33	81	-
RONALDSWAY AIRPORT ...	21-9	16	7.1	3.5	5.3	+0.6	9.2	6	-2.1	1	-	-	139	232	20	10	23	18	0	0	0	0	0	0	2	8	4	1	2.19	78	-
7B WALES N																													
GWYNEDD																													
ABER	9 9	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALA	9 9	163	7.1	1.7	4.4	-	9.8	9	-5.4	1	4.2	4.8	177	175	20	10	23	21	4	1	1	0	1	0	6	12	12	0	1.80	-	-
BARDSEY ISLAND ...	21-9	16	7.8	5.2	6.5	-	9.5	6.7	2.0	28	-	-	160	276	22	9	20	18	0	0	0	0	0	0	0	0	0	2	-	-	-
BETWS-Y-COED	9 9	15	8.1	1.7	4.9	-	11.0	9	-4.3	27	4.3	-	239	-	35	11	24	22	1	1	0	0	0	3	10	15	-	0	-	-	-
BOTWNNOG	9 9	34	7.8	3.6	5.7	-	10.0	5	-0.3	1.17	5.8	6.9	204	283	30	10	20	19	0	0	0	0	0	0	2	7	-	0	2.21	-	-
CWMYSTRADLLYN	9 9	204	6.6	2.6	4.6	-	10.0	8	-2.0	1	-	-	309	-	55	10	24	21	-	-	-	-	-	-	4	-	-	-	1.43	-	-
LLYN ALAW	9 9	44	8.2	3.1	5.7	-	10.5	9	-2.5	1.28	-	-	201	-	57	10	23	22	-	-	-	-	-	-	4	-	-	-	2.20	-	-
PEN-Y-FFRIDD	9 9	84	8.0	3.0	5.5	-	11.2	9	-1.5	26.28	-	-	164	219	57	10	23	21	1	0	0	2	0	0	2	17	-	1	1.98	-	-
TRAWSFYNYDD	9 9	193	7.2	2.2	4.7	-	10.6	9	-2.2	26	-	-	258	206	49	10	24	19	-	1	-	-	-	0	5	9	12	-	-	-	-
VALLEY	21-9	10	8.2	4.1	6.1	+1.1	10.6	9	-2.5	28	-	-	161	269	42	10	23	19	2	0	0	0	1	0	4	7	6	3	2.29	78	-
CLWYD																													
ALWEN	9 9	335	5.1	0.3	2.7	-	8.2	6	-6.3	1	-	-	216	221	34	10	23	22	-	-	-	-	-	-	10	18	-	-	-	-	-
BWLCHGWYN	9 9	386	4.4	0.5	2.5	-	8.0	6	-4.5	26.28	3.4	-	185	213	21	10	26	23	6	10	0	0	0	9	6	9	-	0	-	-	-
COLWYN BAY	9 9	24	7.9	3.1	5.5	-	10.7	9	-1.9	28	4.6	-	167	298	55	10	22	21	1	0	0	0	0	0	3	-	-	0	2.70	109	-
CORWEN	9 9	144	7.3	1.5	4.4	-	10.4	6	-4.2	1	-	-	153	185	17	17	25	22	4	1	0	0	0	-	6	20	-	0	-	-	-
HAWARDEN BRIDGE ...	9 9	5	7.6	2.6	5.1	+0.8	10.8	5.6	-2.3	28	-	-	121	242	19	10	23	18	1	0	0	0	0	0	4	-	-	0	-	-	-
LOGGERHEADS	9 9	210	6.3	0.5	3.4	-	9.0	6	-5.7	26	3.8	4.6	192	299	39	10	24	22	6	5	0	0	0	6	11	16	-	0	2.08	-	S
PRESTATYN	9 9	4	7.9	3.0	5.5	+0.8	10.8	6	-1.0	26.27	-	-	127	276	34	10	22	17	0	0	0	0	0	0	3	-	-	0	2.53	109	-
RUTHIN	9 9	76	7.8	2.3	5.1	-	10.5	6	-2.7	26	-	-	118	204	23	10	24	20	0	0	0	0	0	0	5	-	-	0	2.20	-	-
POWYS(NORTH)																													
LAKE VYRNWY	9 9	303	5.2	1.0	3.1	+0.8	8.5	6	-5.1	1	3.3	-	260	194	32	17	25	21	8	4	1	0	0	6	6	16	-	0	-	-	-
MOEL CYNNEDD	9 9	358	5.6	0.9	3.3	-	8.3	9	-4.8	27	3.7	-	331	-	56	10	24	22	6	9	1	2	0	2	7	(19)	-	0	-	-	-
8A WALES S																													
DYFED																													
ABERPORTH	21-9	134	8.0	3.9	5.9	+1.3	10.5	8	-0.5	1	-	-	151	243	19	18	23	20	1	0	2	0	2	0	2	6	5	2	2.28	83	-
ABERYSTWYTH	9 9	4	-	-	-	-	-	-	-	-	-	-	145	239	21	10	20	17	0	0	0	0	0	0	-	-	-	0	-	-	-
BRAWDY	21-9	111	8.0	4.1	6.1	-	9.5	9	-0.5	27	-	-	176	-	34	9	22	21	2	0	0	6	0	3	1	8	6	0	2.08	-	-
BRYNAMMAN	21-9	183	7.7	3.4	5.5	-	10.6	8	-2.4	1	-	-	251	-	33	2	23	21	1	1	3	0	0	1	5	6	-	0	-	-	-
CARMARTHEN	9 9	15	9.2	2.4	5.8	-	10.8	8	-5.0	1	6.2	6.4	182	215	25	2	23	21	0	0	0	0	0	1	7	10	-	2	2.27	-	-
CWMYSTWYTH	9 9	301	6.6	1.6	4.1	-	9.5	9	-3.2	1	-	-	268	192	35	10	25	23	0	1	0	0	0	0	8	14	-	0	1.55	-	-
DALE FORT	9 9	33	9.0	5.2	7.1	+1.7	11.0	20	2.1	19	6.5	-	136	-	31	9	24	19	0	0	1	0	0	1	0	0	-	0	2.70	-	-
ESGAIRWEN-UCHAF ...	9 9	332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOGERDDAN	9 9	31	8.9	3.4	6.1	-	11.3	9	-1.8	1.2	-	-	153	242	19	18	22	19	0	0	2	1	0	1	4	12	-	0	1.87	-	S
LLETY-EVAN-HEN ...	9 9	290	6.5	2.5	4.5	-	9.6	9	-2.2	28	-	-	190	243	27	10	22	21	3	1	0	0	1	3	5	10	-	0	1.68	70	-
MILFORD HAVEN (CONSERVANCY BOARD)	21-9	37	8.6	4.8	6.7	-	10.2	11	0.8	1	-	-	168	255	35	9	25	19	0	0	1	0	2	1	0	5	1	2	-	-	-
ORIELTON	9 9	61	8.8	4.4	6.6	-	10.5	20	-0.3	1	6.2	-	187	257	35	9	25	23	4	0	3	0	2	2	1	10	-	2	-	-	-
SKOKHOLM ISLAND ...	9 9	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENBY	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.45	-	-
TRAWSCOED	9 9	61	8.4	(3.2)	5.8)	-	11.0	9	-2.5)	1	6.0	-	207	228	20	10	23	20	0	0	1	0	0	1	4	14	-	0	1.96	81	-
TREGARON	9 9	178	8.1	2.2	5.1	-	10.6	9	-3.4	1	-	-	186	-	23	18	22	19	1	1	0	1	1	0	8	14	-	0	1.83	-	S
WHITECHURCH	9 9	130	8.4	3.1	5.7	-	10.7	8	-1.4	1	-	-	246	-	33	2	22	21	1	0	0	2	2	0	2	10	-	1	-	-	-
POWYS(SOUTH)																													
CENARTH	21-9	308	(6.2)	(1.8)	4.0)	-	9.1	5.8	-2.7	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-
LLANGENNY	9 9	122	8.5	2.8	5.7	-	10.8	5	-2.0	27	-	-	163	-	22	9	23	19	1	0	0	0	0	-	5	-	-	0	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL MIN. HEIGHT OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		MEAN EARTH TEMPERATURE: 30 CM DEGREES C	100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
							MAX.	DATE	MIN.	DATE																					
8A WALES S CONTINUED																															
WEST GLAMORGAN																															
MUMBLES HEAD	21-9	36	7.9	4.8	6.3	-	9.3	20	0.0	1	-	-	-	-	-	-	-	-	0	0	2	0	1	1	0	2	2	6	-	-	-
NEATH	9 9	62	8.7	4.1	6.4	-	10.8	9	-1.5	1	-	-	201	239	30	9	23	20	0	0	1	0	0	0	2	7	-	1	-	-	-
PENMAEN	9 9	85	8.7	4.1	6.4	-	10.9	20	-0.1	1	5.8	6.2	193	241	29	9	24	22	0	0	1	0	0	2	1	11	6	1	2.51	-	-
PORT TALBOT	9 9	7	9.7	4.9	7.3	-	11.9	5	0.0	1	-	-	177	240	22	9	25	21	0	0	1	0	0	0	0	-	-	0	2.59	-	-
SWANSEA	9 9	8	8.9	4.6	6.7	+1.6	11.0	20	0.0	2	-	-	204	269	29	9	24	21	0	0	0	0	1	0	0	6	-	0	-	-	S
WHITEFORD BURROWS	9 9	6	9.2	4.4	6.8	-	11.0	23	-2.0	1	-	-	180	-	30	9	25	24	0	0	0	0	2	3	2	11	-	4	-	-	-
MID GLAMORGAN																															
ABERDARE	9 9	174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CILFYNYDD	21-9	194	7.5	3.3	5.4	-	10.0	5	-4.0	1	-	-	264	-	32	9	23	20	0	1	0	0	1	0	4	7	5	0	-	-	-
LLWYNON	9 9	242	7.0	2.0	4.5	-	9.8	8	-3.5	1	-	-	249	187	28	2	23	21	2	0	0	0	0	2	7	-	-	0	1.60	-	S
PORTHCAWL	9 9	6	9.7	4.5	7.1	-	12.5	5	0.0	28	-	-	154	233	18	9	22	20	0	-	0	0	0	0	0	-	-	4	-	-	S
SOUTH GLAMORGAN																															
BRIDGEND	9 9	43	9.2	(3.5)	6.3)	-	11.5	23	-2.0	1	6.2	6.6	197	-	22	9	24	21	-	-	-	-	-	-	6	10	-	-	-	-	-
RHOOSE AIRPORT	21-9	67	8.6	4.3	6.5	-	11.4	5	-1.2	1	-	-	136	-	17	19	22	20	0	0	7	0	2	1	1	7	5	0	2.60	-	-
GWENT																															
CRUMBLAND	9 9	245	7.5	2.2	4.9	-	10.4	5	-2.5	28	4.7	5.1	201	272	38	9	22	19	0	0	0	0	1	7	5	9	-	0	2.63	-	-
NEWPORT	9 9	23	9.3	-	-	-	11.6	6	-	-	-	-	187	256	31	9	23	20	0	0	1	0	1	1	-	-	-	0	2.75	-	-
USK	9 9	21	9.3	3.0	6.1	+2.2	13.0	8	-2.7	1	5.7	-	211	271	33	9	22	19	0	0	0	0	0	-	7	10	-	0	2.33	101	-
8B ENGLAND SW																															
AVON																															
BATH	9 9	118	8.7	3.5	6.1	-	11.0	5	-1.0	1,27,28	5.9	-	116	215	15	19	22	18	0	0	0	0	0	1	5	-	-	0	-	-	-
FILTON	21-9	59	9.1	3.9	6.5	+2.3	12.3	5	-1.8	28	-	-	131	257	21	9	22	19	1	0	1	0	0	0	4	6	6	0	2.87	128	-
LONG ASHTON	9 9	51	9.4	3.6	6.5	+2.2	12.5	5	-2.5	27	5.7	-	139	241	23	9	21	20	0	0	0	1	0	0	3	9	-	0	3.05	126	-
SOMERSET																															
CANNINGTON	9 9	23	9.7	3.8	6.7	+2.0	13.5	20	-1.0	28	6.0	-	140	286	16	22	23	17	0	0	1	0	0	0	2	18	-	1	2.91	109	-
CREWKERNE	9 9	101	9.1	4.0	6.5	-	12.0	20	-0.6	28	-	-	147	-	23	9	23	20	0	0	0	0	0	-	3	-	-	0	-	-	-
DOWNSIDE ABBEY	9 9	183	8.2	2.9	5.5	-	10.7	5	-3.3	1	-	-	187	249	25	9	23	21	1	0	0	0	2	1	4	-	-	0	-	-	-
EXTON	21-9	335	7.4	2.6	5.0	-	10.7	24	-2.1	1	-	-	194	-	21	9	24	22	10	0	5	0	0	5	5	11	9	0	-	-	-
HAWKRIDGE	9 9	314	7.2	2.6	4.9	-	10.0	20,21	-1.8	28	-	-	207	171	21	9	25	24	1	0	1	0	0	3	4	21	-	0	2.03	-	-
NETTLECOMBE	9 9	96	9.5	3.7	6.6	-	12.1	20	-1.4	28	6.1	-	167	-	18	5	23	22	0	0	0	0	0	2	9	-	-	1	-	-	-
NETTLECOMBE(BIRDS HILL)	9 9	290	7.9	2.7	5.3	-	10.7	10	-1.4	27	-	-	190	-	19	9	23	21	0	0	0	0	0	1	4	11	-	1	-	-	-
RODNEY STOKE	9 9	40	9.1	3.7	6.4	-	11.6	5	-0.7	1	5.9	6.5	141	231	19	9	23	21	0	0	0	0	0	2	1	8	-	0	-	-	-
WINCANTON	9 9	114	9.1	2.8	5.9	-	12.7	20	-1.8	1	-	-	134	210	17	9.18	24	22	0	0	1	0	0	0	4	13	-	1	2.79	-	-
YEOVILTON	21-9	18	9.5	3.5	6.5	-	12.5	20	-2.0	1	-	-	111	209	13	9	24	20	0	0	1	0	0	2	6	11	-	1	-	-	-
DORSET																															
BOURNEMOUTH																															
HURN AIRPORT	21-9	10	9.4	3.9	6.7	-	11.6	20	-2.1	12	-	-	131	238	25	9	25	20	1	0	0	3	0	2	6	10	10	0	3.02	-	-
MEYRICK PARK	9 9	40	9.1	4.2	6.7	+2.2	11.3	5,20	-0.5	26	5.8	6.4	131	247	24	9	24	19	0	0	0	0	0	1	2	9	-	1	3.15	110	-
CHRISTCHURCH	9 9	3	9.5	4.5	7.0	-	12.0	5	-0.2	12	-	-	113	218	22	9	22	18	0	0	1	0	0	1	1	9	-	0	-	-	-
POOLE	9 9	5	9.9	4.2	7.1	+2.6	12.1	20	-0.3	12,15,16	6.7	6.9	128	242	24	18	21	19	0	0	0	0	0	1	3	10	-	0	3.04	106	-
PORTLAND BILL (COASTGUARD)	21-9	53	8.9	5.4	7.1	+1.6	12.2	24	1.4	26	-	-	123	-	17	9	21	19	0	0	0	2	2	2	0	3	0	1	3.13	-	-
SWANAGE	9 9	11	9.3	5.3	7.3	+2.2	10.9	20	0.2	1	-	7.6	131	234	21	9	24	21	0	0	0	1	0	1	0	4	-	2	2.71	97	-
WEYMOUTH	9 9	23	9.7	5.0	7.3	-	11.1	24	0.2	1	-	-	127	-	18	18	23	21	0	0	0	0	0	1	0	-	-	0	3.10	105	-
WINFRITH	9 9	26	9.7	4.1	6.9	-	11.0	5,20	-0.5	28	-	-	147	242	27	9	22	21	0	0	0	0	0	1	4	10	-	0	-	-	-
DEVON																															
CHELDON BARTON	9 9	164	8.9	3.3	6.1	-	11.7	20	-1.9	1	6.1	-	169	-	17	9	26	23	1	0	0	1	0	0	2	12	-	0	2.17	-	-
EXETER AIRPORT	21-9	32	9.7	4.3	7.0	+2.1	13.3	20	-2.0	12	-	-	140	242	18	21	23	20	0	0	0	1	0	2	3	12	5	0	1.92	72	-
EXMOUTH	9 9	59	9.9	4.9	7.4	+2.7	12.8	20	0.4	1	-	-	151	261	20	18	23	21	0	0	0	0	1	0	-	-	-	1	2.74	93	-
HARTLAND POINT	21-9	91	8.5	5.2	6.9	+1.7	11.3	9	1.5	27	-	-	108	193	13	9	26	18	0	0	1	1	0	0	0	2	2	7	2.30	85	-
ILFRACOMBE	9 9	8	9.7	5.6	7.7	-	12.0	9	1.9	27	6.9	8.1	146	-	17	15	24	19	0	0	0	0	0	0	-	-	-	0	2.60	-	-
PLYMOUTH																															
MOUNT BATTEN	21-9	27	9.5	5.6	7.5	+2.0	11.0	5,24	-1.5	1	-	-	205	273	23	9	26	21	0	0	0	4	1	2	1	7	4	2	2.40	85	5
THE HOE	9 9	36	9.5	4.7	7.1	+1.5	10.7	20,24	-0.8	1	6.7	7.1	182	246	23	9	25	23	0	0	0	0	0	0	2	8	-	0	2.29	80	-
PRAWLE POINT	21-9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	-	-	-	10	2.76	-	-
PRINCETOWN	9 9	414	6.7	2.5	4.6	-	8.7	9	-0.7	1	-	-	359	-	66	9	27	25	4	2	0	3	0	13	2	8	-	0	-	-	-
SLAPTON	9 9	32	(10.0)	(4.7)	7.3)	-	12.1	12	-0.8	1	-	-	208	253	26	18	23	21	0	0	2	4	0	0	1	-	-	1	-	-	-
STARCROSS	9 9	9	10.1	4.3	7.2	+2.1	13.1	20	-1.1	12	6.4	-	162	266	21	18	24	20	0	0	1	0	0	2	2	7	-	1	2.66	91	-
TAVISTOCK	9 9	139	-	-	-	-	-	-	-	-	-	7.4)	213	234	39	9	19	19	-	-	-	-	-	-	-	-	-	-	-	-	-
TEIGNMOUTH	9 9	6	10.0	4.5	7.3	+1.6	12.2	6	0.0	1	-	-	158	239	19	18	26	23	0	0	0	0	1	0	4	-	-	0	2.50	89	-
TORBAY(TORQUAY)	9 9	8	10.3	4.8	7.5	+1.9	12.4	5	-1.0	1	-	7.1	168	234	21	9	24	23	0	0	1	0	0	1	1	6	-	3	2.79	96	-
CORNWALL																															
BASTREET	9 9	232	8.2	2.7	5.5	-	10.2	4,20	-4.0	1	-	-	243	197	33	9	26	24	0	0	0	0	0	2	3	8	-	0	1.72	-	-
BUDE	9 9	15	10.1	4.8	7.5	+2.2	12.5	9	-0.6	1	6.6	-	119	208	13	28	25	21	0	0	0	0	0	1	1	-	-	1	2.28	81	-
CULDROSE	9 9	81	9.5	5.3	7.4	-	11.1	22	-0.8	1	-	-	193	247	24	9	26	22	0	0	0	0	0	1	1	4	3	1	2.31	-	-
ELLBRIDGE	9 9	69	9.8	4.0	6.9	-	12.1	20	-1.3	1	-	-	210	250	30	9	25	23	0	0	0	1	0	4	4	-	-	0	2.28	80	-
FALMOUTH	9 9	51	9.8	4.7	7.3	+1.3	11.2	20	0.5	2	-	-	189	206	23	9	26	24	0	0	1	0	0	0	0	4	-	0	2.28	83	-
FOWEY	9 9	75	9.7	4.8	7.3	+1.4	12.0	20	-0.9	1	-	-	172	-	24	28	26	23	1	0	0	1	1	1	2	-	-	2	-	-	-
GULVAL	9 9	15	10.1	4.9	7.5	-	11.5	6,20	0.0	1	-	-	175	-	25	9	27	23	0	0	0	0	0	1	0	5	-	0	2.52	-	-
GWENNAP HEAD	21-9	66	9.3	6.9	8.1	-	10.5	6	3.5	1	-	-	118	-	14	28	26	22	0	0	1	0	0	1	0	0	0	6	-	-	-
LIZARD	9 9	73	9.8	6.3	8.1	+1.8	11.2	23	1.8	1	-	-	147	203	17	28	26	23	0	0	1	0	0	1	0	-	-	9	2.72	94	-
NEWQUAY	9 9	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENZANCE	9 9	19	10.4	5.0	7.7	+1.2	11.9	23	-1.0	1	-	-	195	216	24	9	27	24	0	0	0	0	0	1	1	-	-	2	2.86	98	-
ROSEWARNE	9 9	76	9.8	4.9	7.3	-	12.0	23	1.0	1	6.8	7.3	175	209	22	9	26	24	1	0	4	1	0	1	0	8	-	2	2.22	-	-
ST AUSTELL(BETHEL)	9 9	55	10.0	4.5	7.3	-	12.2	20	-0.4	1	-	-	180	-	23	28	26	22	0	0	0	0	1	1	1	4	-	2	2.51	-	-
ST JOHNS	9 9	128	9.5	3.6	6.5	-	11.7	20	-1.8	2	-	-	190	216	23	9	25	22	-	-	-	-	-	-	2	-	-	-	1.93	-	-
ST MAWGAN	21-9	103	9.5	5.3	7.4	-	11.5	20	0.9	1	-	-	134	177	17	9	23	20	1	0	0	4	0	1	0	5	4	1	2.45	-	-
SCILLY(ST MARYS)	21-9	48	10.1	7.1	8.6	+1.3	11.4	6	3.0	1	-	-	135	175	15	19	27	22	0	0	2	1	0	1	0	2	0	4	3.27	115	-
CHANNEL ISLANDS																															
ALDERNEY	9 9	88	9.2	5.5	7.3	-	10.9	20	1.2	27	7.3	-	95	-	10	4	22	20	0	0	2	0	1	1	0	2	-	3	2.86	-	-
GUERNSEY																															
AIRPORT	21-9	104	8.8	5.8	7.3	+1.5	10.2	5,6,20	1.8	27	6.7	7.4	123	171	17	4	25	20	0	0	0	2	1	2	0	2	1	0	3.04	110	-
L'ANCRESSE	9 9	5	10.3	6.0	8.1	-	12.0	5,9	2.1	1	-	-	118	171	16	19	24	20	0	-	0	0	1	-	0	-	-	0	3.64	-	-
JERSEY																															
AIRPORT	9 9	83	9.4	5.2	7.3	-	11.2	4,5,20	0.2	1	7.0	7.8	100	154	13	19	25	19	0	0	1	0	0	1	0	2	1	0	3.07	-	-
GOREY CASTLE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST HELIER	9 9	47	9.8	5.7	7.7	+1.6	12.0	23	-0.5	1	-	-	102	154	14	4	23	19	0	0	0	0	0	1	1	4	-	0	3.16	-	-
																													3.24	102	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (NIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		MEAN EARTH TEMPERATURE (TERMINAL H 09 GMT): 30 CM DEGREES C	100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
NORTHERN IRELAND																															
LONDONDERRY																															
AGHANLOO	9 9	18	6.9	1.2	4.1	-	9.4	9	-2.3	12	-	-	94	-	13	17	18	16	-	-	-	-	-	11	18	-	-	-	-	-	-
BANAGHER(CAUGH HILL)	9 9	216	5.6	0.1	2.9	-	8.0	6	-2.5	1	-	-	212	-	48	17	23	21	4	1	0	0	0	2	15	22	-	1	2.08	-	-
CARMONEY	9 9	73	6.3	1.0	3.7	-	9.3	9	-2.0	27	-	-	126	-	27	17	22	17	0	0	0	0	0	2	10	20	-	-	1.62	-	-
COLERAINE UNIVERSITY	9 9	23	6.4	0.5	3.5	-	9.1	19	-4.5	1.26	3.5	5.1	125	-	22	17	24	18	5	0	0	0	0	4	14	21	-	0	1.44	56	-
COOLKEERAGH	9 9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DERRYNOYD FOREST	9 9	88	5.9	0.2	3.1	-	9.2	19	-2.8	27	-	-	214	235	46	17	22	21	3	1	0	0	0	2	11	21	-	-	-	-	-
GARVAGH FOREST	9 9	88	6.0	0.1	3.1	-	8.7	19	-3.3	27	2.6	4.1	195	229	31	17	22	18	4	0	0	0	0	0	16	22	-	-	-	-	-
LOUGHERMORE FOREST	9 9	174	5.7	-0.7	2.5	-	8.8	19	-5.3	1	-	-	156	179	28	17	21	20	8	3	0	0	0	1	16	24	-	2	-	-	-
MONEYDIG	9 9	34	6.6	0.0	3.3	-0.4	10.1	19	-5.5	1	3.6	-	140	195	20	2	22	19	1	0	0	0	0	4	13	17	13	0	-	-	-
SOMERSET FOREST	9 9	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																															
ALDERGROVE AIRPORT	21-9	68	6.4	1.9	4.1	+0.3	9.0	6	-3.4	1	4.2	5.7	104	173	22	17	24	15	3	0	1	0	0	2	5	12	10	0	1.76	73	-
ALTNAHINCH	9 9	226	5.3	-0.1	2.6	-	7.4	9	-6.5	1	-	-	174	168	22	17	22	20	3	1	0	0	0	0	15	23	-	0	1.56	-	-
BALLYLUMFORD	9 9	24	7.0	2.2	4.6	-	9.2	19	-1.5	1	-	-	161	-	26	9	20	17	-	-	-	-	-	-	1	14	-	-	-	-	-
BALLYMONEY	9 9	55	6.6	0.5	3.5	-	8.6	9	-3.5	1	-	-	120	181	27	17	18	16	0	-	0	0	0	0	13	-	-	-	-	-	-
BALLYPATRICK FOREST	9 9	152	5.7	0.0	2.9	-	8.4	2	-6.8	26	-	-	183	212	24	9	22	19	0	-	0	0	0	0	12	20	-	0	2.32	-	-
CARNLOUGH	9 9	12	7.0	1.8	4.4	-	9.9	2	-3.2	26	-	-	143	-	29	9	22	20	1	-	1	0	0	0	5	12	-	-	-	-	-
DIVIS MOUNTAIN	9 9	363	4.5	-0.5	2.0	-	7.4	6	-4.2	1	-	-	165	204	22	9	21	21	-	-	-	-	-	-	19	-	-	-	-	-	-
GREENMOUNT	9 9	32	7.0	1.1	4.1	-	9.2	2	-2.8	1	4.0	-	105	183	27	17	20	15	0	0	0	0	0	-	9	15	-	-	-	-	-
HYDE PARK (MALLUSK)	9 9	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KILROOT POWER STATION	9 9	12	7.0	1.6	4.3	-	9.1	19	-1.6	1.15	-	-	137	-	21	17	21	15	-	0	-	-	-	-	8	15	-	-	-	-	-
LISNAFILLAN	9 9	38	6.6	-0.6	3.0	-	9.0	19	-5.0	1	-	-	127	187	24	17	20	18	0	0	0	0	0	3	17	18	-	-	1.50	-	-
LOWTOWN	9 9	271	4.8	0.3	2.5	-	7.7	6	-3.0	1	3.1	-	192	204	36	17	21	18	2	2	0	0	0	7	13	24	-	0	1.16	-	-
PARKMORE FOREST	9 9	235	4.9	0.1	2.5	-	7.9	2	-3.5	1	2.8	-	197	177	23	9	22	21	3	2	0	0	0	1	13	21	-	0	-	-	-
WOODBURN NORTH	9 9	217	5.4	0.2	2.8	-	8.0	6	-3.0	27	-	-	183	232	30	9	21	18	1	1	0	0	0	5	15	19	-	-	-	-	-
BELFAST																															
ANDERSONSTOWN	9 9	64	6.6	0.5	3.5	-	8.6	6.19	-3.8	1	-	-	145	-	17	9	22	22	1	0	0	0	1	0	9	16	-	-	-	-	-
MALONE	9 9	35	7.2	1.4	4.3	-	9.5	6	-3.7	1	4.2	-	123	-	16	9	24	20	-	-	-	-	-	6	8	16	-	-	1.96	-	-
MILLTOWN	9 9	37	7.1	1.4	4.3	-	9.3	18	-2.7	1	-	-	126	-	17	9	22	18	1	0	0	0	0	1	8	15	-	-	-	-	-
NEWTOWNABBEY	9 9	32	7.0	2.1	4.5	-	9.8	6	-1.8	1	4.4	-	140	200	20	17	22	16	2	0	1	0	0	4	2	16	14	0	1.76	-	S
ROSEBANK	9 9	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROSETTA	9 9	24	7.3	1.5	4.4	-	9.9	2	-2.9	2	-	-	120	190	20	9	16	13	1	0	0	0	0	0	6	-	-	-	-	-	-
STORMONT CASTLE	9 9	56	6.7	1.7	4.2	-	8.9	19	-2.1	1	4.0	5.2	143	226	27	9	22	19	0	0	0	0	0	3	3	18	-	-	2.11	-	-
DOWN																															
BANGOR SEACOURT	9 9	15	7.0	2.3	4.7	-	9.3	6	-1.8	2	4.4	5.8	140	-	28	9	22	17	1	0	0	1	0	0	2	14	13	-	2.13	-	-
BALLYWALTER PARK	- -	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.40	-	-
BALLYWATTICOCK	9 9	6	6.8	1.7	4.3	-	8.9	19	-1.8	1	-	-	119	225	27	9	20	19	1	0	0	0	0	0	6	16	-	0	2.33	-	-
CREIGHTONS GREEN	9 9	119	6.3	1.1	3.7	-	8.5	6	-2.0	1	-	-	135	202	29	9	17	17	-	-	-	-	-	-	7	19	-	-	-	-	-
DOWNPATRICK	9 9	26	7.3	1.9	4.6	-	9.5	19	-1.5	1	-	-	129	-	28	9	21	17	-	-	-	-	-	3	4	16	-	-	-	-	-
HELENS BAY	9 9	43	6.9	1.9	4.4	-	9.0	6	-2.4	1	-	-	142	250	26	9	20	15	2	0	0	0	0	1	3	15	-	0	2.24	-	-
HILLSBOROUGH	9 9	116	6.3	1.2	3.7	0.0	9.0	6	-4.0	1	4.0	5.3	108	189	17	10	22	19	2	0	0	0	0	1	7	18	-	1	2.08	89	-
MURLOUGH	9 9	9	7.3	1.1	4.2	-	9.9	6	-4.5	1	-	4.8	234	-	37	2	23	21	0	0	0	0	0	0	9	15	-	0	1.95	-	-
ARMAGH																															
ARMAGH	9 9	62	6.7	1.4	4.1	-0.2	9.2	9	-2.5	1	4.1	5.3	116	204	22	10	24	19	0	0	0	0	0	1	6	19	-	0	1.43	59	-
LOUGHGALL	9 9	25	7.0	1.2	4.1	-	9.5	2	-2.5	6	-	-	123	228	21	10	24	18	0	0	0	0	1	2	10	19	-	0	1.46	-	-
LURGAN	9 9	55	6.8	1.4	4.1	-	9.2	19	-3.5	1	4.0	5.1	111	205	22	17	21	18	0	-	0	0	0	-	8	19	-	-	1.34	-	-
TANDRAGEE	9 9	43	7.4	1.2	4.3	-	9.6	6.18	-2.5	1	-	-	133	-	23	10	22	18	-	-	-	-	-	-	8	-	-	-	-	-	-
TYRONE																															
ALTAVEEDAN	9 9	175	6.4	1.0	3.7	-	9.3	9.19	-4.5	1	-	-	201	-	39	10	23	22	-	-	-	-	-	-	7	15	-	-	-	-	-
CARRIGANS	21-9	113	6.1	1.4	3.7	-	9.3	19	-3.8	1	-	-	156	203	24	17	22	20	6	1	0	1	0	1	6	19	13	0	1.21	-	-
COOKSTOWN	9 9	77	6.2	0.1	3.1	-	8.9	2	-4.0	1	-	-	151	212	21	17	24	20	1	0	0	0	0	5	12	19	-	-	1.59	-	-
LOUGH BRADAN	9 9	169	5.7	-0.5	2.6	-	8.9	9	-4.7	1	-	-	198	206	33	10	23	21	-	0	-	-	-	3	14	22	-	-	1.11	-	-
POMEROY FOREST	9 9	174	5.6	0.1	2.9	-	8.3	2	-5.3	1	3.5	-	183	216	29	17	22	21	1	2	0	0	0	7	12	22	-	-	-	-	-
STRABANE CONVENT	9 9	44	6.9	1.3	4.1	-	9.9	9	-4.6	1	-	-	145	220	23	15	22	21	1	0	0	0	0	0	6	17	-	1	1.47	-	-
TIEVENNY	9 9	41	6.8	0.9	3.9	-	9.5	9	-5.0	1	-	-	147	-	24	15	22	21	-	-	-	-	-	-	9	17	-	-	-	-	-
FERMANAGH																															
CASTLE ARCHDALE FOREST	9 9	66	6.8	1.2	4.0	+0.1	9.9	9	-4.2	1	4.6	5.3	168	221	28	10	21	20	1	0	0	0	0	2	8	17	-	0	1.63	64	-
CORGARY	9 9	156	6.4	1.6	4.0	-	10.2	9	-1.3	1	-	-	141	-	16	15	21	21	2	-	2	1	0	1	2	11	11	-	-	-	-
KNOCKARAVAN	9 9	53	7.4	1.3	4.3	-	11.2	9	-3.2	1	-	-	141	-	17	17	22	19	0	0	0	0	0	1	7	15	9	-	-	-	-
LISNASKEA	9 9	49	7.3	1.5	4.4	-	10.4	9	-4.2	1	-	-	183	281	24	10	24	21	1	-	0	0	0	2	6	9	-	-	1.48	-	-
LOUGH NAVAR FOREST	9 9	148	6.0	0.8	3.4	-	9.0	9	-2.8	1	-	-	182	184	28	10	22	20	2	2	0	1	0	8	11	21	-	-	-	-	-
PUBBLE FOREST	9 9	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

FEBRUARY 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	CLOUD AMOUNT: OKTAS: MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE: 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT): 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																																		
0 SCOTLAND N SHETLAND																																										
FAIR ISLE	61	9	1003.1	-	3.6	1.2	6.4	80	6.4	0	2	3	15	8	0	0	0	0	1	0	0	0	4	13	10	4	8	7	8	1	2	3	9	4	6	2	0	1
		15	1003.6	-	4.3	1.5	6.3	75	6.0	0	3	5	15	5	0	0	0	0	0	1	0	1	5	15	6	2	8	10	7	1	0	5	9	3	6	2	1	1
		21	1004.4	-	3.4	1.3	6.2	79	4.9	1	8	4	8	7	0	0	0	0	0	0	1	2	14	11	4	5	11	7	1	1	2	4	8	4	5	1	2	1
LERWICK	83	3	1004.2	-	2.6	-	6.2	-	6.0	1	3	4	12	8	0	0	0	0	0	0	0	2	9	12	5	0	3	14	10	1	4	5	3	3	8	2	0	2
		9	1004.3	- 5.2	2.5	-	6.3	-	6.6	0	1	5	11	11	0	0	0	0	0	0	1	0	7	4	7	9	0	6	11	8	3	5	3	5	3	4	1	1
		15	1004.5	-	3.5	-	6.5	-	5.4	0	4	8	8	8	0	0	0	0	0	0	0	0	7	5	10	6	0	2	18	7	1	3	6	6	3	4	1	1
		21	1005.4	-	2.1	-	6.2	-	5.1	1	4	7	10	6	0	0	0	0	0	0	0	7	2	14	5	0	4	11	11	2	4	6	5	1	4	3	3	1
ORKNEY																																										
KIRKWALL	26	3	1002.6	-	2.7	0.8	6.5	86	5.9	0	4	6	7	11	0	0	0	0	0	0	0	3	5	14	6	0	5	12	11	0	2	5	7	5	5	3	0	1
		9	1002.9	- 7.3	2.9	0.7	6.6	87	5.9	0	2	7	12	7	0	0	0	0	1	0	0	0	6	8	9	0	4	13	10	1	0	5	7	4	6	3	1	2
		15	1003.4	-	4.6	1.3	6.8	79	5.4	0	5	7	10	6	0	0	0	0	0	0	0	2	6	11	9	0	3	15	8	2	1	6	6	3	6	3	1	0
		21	1003.9	-	2.6	0.8	6.3	85	5.1	0	5	10	6	7	0	0	0	0	0	0	0	3	6	10	9	0	3	14	10	1	3	3	6	4	9	1	1	0
WESTERN ISLES																																										
BENBECULA	7	3	999.8	-	3.4	0.6	7.0	90	4.9	2	6	5	7	8	0	0	0	0	0	0	0	1	3	13	11	0	1	11	15	1	3	3	6	4	7	1	1	2
		9	1000.5	-10.2	3.5	0.7	6.9	87	4.8	0	10	2	12	4	0	0	0	0	0	1	0	0	3	13	10	0	1	13	13	1	0	5	6	8	6	2	1	0
		15	1000.7	-	5.3	1.2	7.3	82	5.3	0	6	4	13	5	0	0	0	0	0	0	1	2	4	13	10	0	3	17	8	1	0	5	6	8	4	2	0	0
		21	1000.8	-	3.6	0.7	7.1	89	5.6	1	4	5	8	10	0	0	0	0	0	0	0	2	5	11	10	0	3	13	12	0	3	6	5	7	6	0	1	0
STORNOWAY	5	3	1000.5	-	3.5	0.8	6.8	86	5.6	0	4	7	7	10	0	0	0	0	0	0	0	3	6	15	4	0	4	11	10	3	0	1	8	7	5	2	0	4
		9	1001.3	- 9.2	3.7	0.9	6.8	85	5.5	0	3	5	18	2	0	0	0	0	0	0	0	3	6	17	8	0	2	11	15	0	0	2	10	3	5	3	1	0
		15	1001.7	-	5.4	1.5	7.0	77	5.4	0	5	5	15	3	0	0	0	0	0	0	0	2	4	16	8	0	2	16	10	0	0	3	9	4	8	3	1	2
		21	1001.7	-	3.8	0.8	6.9	86	5.3	2	4	5	8	9	0	0	0	0	0	0	0	2	5	14	7	0	4	13	11	0	1	3	11	6	4	1	2	0
HIGHLAND																																										
CAPE WRATH	113	3	1000.8	-	3.2	0.7	6.8	88	5.0	2	3	9	4	10	0	0	0	0	0	0	0	0	1	12	15	2	4	8	14	0	0	2	6	9	5	4	1	1
		9	1001.5	-	3.5	0.7	7.0	89	5.5	0	1	11	11	5	0	0	0	0	0	0	0	0	0	12	16	2	2	12	12	0	0	0	11	7	3	4	1	2
		15	1002.0	-	4.4	0.8	7.3	87	5.5	0	1	11	10	6	0	0	0	0	0	0	0	0	0	12	16	1	2	12	12	1	0	0	8	7	2	7	1	1
		21	1002.2	-	3.3	0.7	6.8	88	4.8	1	6	9	4	8	0	0	0	0	0	0	0	0	0	13	15	1	3	11	13	0	0	3	8	6	5	6	0	0
DALCROSS	12	9	1002.7	-	1.3	0.4	6.2	92	5.4	1	4	7	9	7	0	0	0	0	0	0	1	4	4	12	7	0	0	5	20	3	2	9	1	1	3	8	1	0
		15	1002.8	-	4.4	1.3	6.7	80	5.6	1	2	6	14	5	0	0	0	0	0	0	0	5	3	12	8	0	1	10	16	1	0	12	3	1	2	8	0	1
WICK	37	3	1002.1	-	2.9	0.9	6.4	84	5.7	0	6	3	11	8	0	0	0	0	0	0	0	1	3	12	10	5	0	3	13	11	1	0	4	6	6	2	4	2
		9	1002.5	- 8.1	2.9	0.9	6.4	84	5.5	0	4	6	14	4	0	0	0	0	0	0	0	3	8	10	7	0	2	14	12	0	0	3	6	4	9	1	2	2
		15	1002.9	-	4.3	1.3	6.6	79	5.7	0	4	4	14	6	0	0	0	0	0	0	0	4	3	12	9	0	3	12	13	0	1	3	9	5	6	1	1	0
		21	1003.3	-	3.2	1.0	6.4	82	5.3	1	6	5	9	7	0	0	0	0	0	0	0	1	10	11	6	0	2	13	12	1	0	6	4	7	9	0	1	0
1 SCOTLAND E GRAMPIAN																																										
DYCE	59	3	1002.2	-	1.3	0.5	6.3	91	5.7	0	6	4	7	11	0	0	0	0	1	0	5	11	3	5	3	0	0	9	15	4	8	0	4	3	6	1	0	2
		9	1002.5	- 9.4	1.6	0.5	6.3	90	6.0	1	2	5	10	10	0	0	0	0	0	1	3	11	6	3	4	0	0	5	19	4	7	2	3	1	5	2	1	3
		15	1002.8	-	4.3	1.3	6.5	78	6.1	1	2	4	12	9	0	0	0	0	0	1	2	6	7	6	6	0	0	8	19	3	3	5	3	4	6	1	1	4
		21	1003.5	-	1.8	0.6	6.3	89	5.9	0	7	1	8	12	0	0	0	0	0	1	3	12	6	5	1	0	0	6	17	5	5	1	3	3	6	0	1	4
FRASERBURGH	22	3	1002.5	-	3.5	0.6	7.0	89	5.8	1	3	5	9	10	0	0	0	0	0	0	0	0	20	8	0	1	2	12	13	0	2	5	8	4	5	8	2	3	0
		9	1002.6	- 8.6	3.5	0.6	7.1	90	5.8	0	0	10	10	8	0	0	0	0	0	0	0	0	11	17	0	1	2	11	14	0	2	3	8	1	10	1	3	2
		15	1003.2	-	4.6	1.1	7.0	83	5.8	0	4	6	7	11	0	0	0	0	0	0	0	0	12	16	0	1	2	9	16	0	2	5	5	7	6	1	3	2
		21	1003.7	-	3.8	0.9	6.9	85	5.4	0	5	8	5	10	0	0	0	0	0	0	0	0	15	13	0	1	3	9	15	0	0	7	5	7	6	0	2	1
KINLOSS	6	3	1001.6	-	1.5	0.6	6.1	89	5.6	1	6	2	10	9	0	0	0	0	0	0	1	3	10	10	4	0	1	9	14	4	3	1	9	0	3	6	1	1
		9	1002.2	- 9.2	1.8	0.7	6.1	87	5.4	1	5	4	12	6	0	0	0	0	2	0	3	9	6	8	0	0	0	5	21	2	1	3	8	3	2	6	2	1
		15	1002.5	-	4.5	1.4	6.5	78	5.7	0	4	6	14	4	0	0	0	0	0	0	3	9	5	9	0	0	0	14	13	1	2	2	7	6	4	3	0	1
		21	1002.8	-	1.9	0.8	6.0	86	5.2	1	7	4	7	9	0	0	0	0	0	0	0	10	7	5	6	0	0	9	19	0	2	3	9	3	9	1	1	0
LOSSIEMOUTH	6	3	1001.5	-	1.7	0.7	6.1	86	5.3	1	7	3	8	9	0	0	0	0	1	0	0	5	8	9	5	0	3	10	14	1	1	4	8	6	3	4	1	0
		9	1002.2	-	2.0	0.9	6.0	84	5.3	0	7	3	12	6	0	0	0	0	0	1	0	6	3	8	10	0	2	14	11	1	1	4	8	4	5	4	1	0
		15	1002.5	-	4.5	1.5	6.5	77	5.7	1	4	2	17	4	0	0	0	0	0	1	0	6	5	11	0	1	13	12	2	3	4	6	5	2	3	2	1	1
		21	1002.9	-	2.2	0.7	6.2	87	5.7	0	4	5	11	8	0	0	0	0	0	0	0	8	6	10	4	0	2	4	22	0	1	5	7	10	1	3	0	1
TAYSIDE																																										
USAN	35	9	1002.5	-	3.2	0.7	6.8	87	5.9	0	6	3	4	15	0	0	0	0	1	0	1	2	4	9	11	0	4	11	10	3	4	4	3	1	6	2	3	2
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1003.4	-	3.5	0.6	7.1	90	5.7	1	4	6	7	10	0	0	0	0	0	0	1	3	3	10	11	0	5	9	10	4	3	3	4	1	5	4	0	4
FIFE																																										
LEUCHARS	12	3	1001.4	-	1.9	0.6	6.3	89	5.4	1	5	7	5	10	0	0	0	0	0	0	0	1	1	9	7	0	2	12	9	5	6	5	4	1	2	4	1	0
		9	1001.9	-10.3	2.5	0.7	6.5	88	5.7	0	6	2	13	7	0	0	0	0	1	0	0	9	7	7	3	0	2	13	9	4	4	2	2	6	1	1	0	0
		15	1002.2	-	4.8	1.3	6.9	80	6.1	0	3	3	16	6	0	0	0	0	0	0	2	9	5	8	4	0	3	13	11	1	2	7	3	4	4	0	0	0
		21	1002.6	-	2.6	0.7	6.5	87	6.5	0	3	3	12	10	0	0	0	0	0	0	0	7	7	11	3	0	2	9	10	7	4	5	6	1	0	2	3	0
LOTHIAN																																										
TURNHOUSE	44	3	1001.0	-	2.7	0.5	6.8	91	6.4	0	2	4	13	9	0	0	0	0	0	0	2	4	13	8	1	0	2	9	14	3	0	5	9	2	2	3	4	0
		9	1001.8	-10.9	2.6	0.6	6.6	89	5.2	1	7	2	11	7	0	0	0	0	0	2	2	9	13	3	1	0	0	12	15	1	1	3	8	4	2	3	8	0
		15	1001.8	-	5.2	1.3	7.0	79	6.2	0	4	1	16	7	0	0	0	0	0	2	7	9	7	3	0	0	0	13	15	0	0	3	10	2	2	7	3	1
		21	1002.3	-	3.2	0.8	6.6	85	6.3	0	4	2	13	9	0	0	0	0	0	0	1	8	15	4	0	0	1	9	14	4	0	3	11	2	4	2	2	0
6 SCOTLAND W STRATHCLYDE																																										
ABBOTSINCH	9	3	1000.4	-	2.5	0.6	6.5	88	6.1	1	4	3	6	13	1	0	1	0	0	0	2	10	9	6	0	0	0	10	16	2	0	8	12	0	3	3	0	0
		9	1001.2	-11.7	2.5	0.6	6.7	90	5.6	1	5	3	10	9	0	0	1	1	0	1	2	8	10	3	2	0	1	8	14	5	0	6	9	0	1	3	2	2
		15	1001.2	-	5.3	1.5	6.9	78	6.6	0	1	4	12	10	1	0	0	1	0	1	1	3	10	7	5	0	0	13	15	0	0	4	12	1	4	2	1	0
		21	1001.4	-	3.4	0.9	6.7	85	6.5	0	2	3	12	10	1	0	1	0	0	1	1	12	9	5	0	0	0	10	14	4	0	5	13	2	1	2	1	0
GLASGOW WEATHER CENTRE	17 (X)	3	1000.6	-	-	-	-	-	6.2	2	4	1	6	14	1	0	1	0	0	0	0	11	9	6	1	0	0	2	23	3	1	11	7	2	5	1	1	0
		9	1001.4	-	3.3	0.9	6.6	84	5.7	0	5	5	9	9	0	0	0	0	0	0	2	8	14	9	4	0	0	3	24	1	0	14	4	2	5	1	1	0
		15	1001.3	-	5.5	1.8	6.5	73	6.7	0	1	3	14	10	0	0	0	0	1	0	1	4	10	9	3	0	0	5	22	1	0	9	5	3	5	1	2	0
		21	1001.6	-	4.1	1.3	6.5	79	6.6	0	3	0	13	12	0	0	0	0	1	0	0	13	10	4	0	0	0	4	24	0	0	8	12	3	3	1	1	0
MACHRIHANISH	14	3	999.2	-	4.1	0.8	7.2	86	5.8	2	3	5	5	13	0	0	0	0	0	0	0	4	10	12	2	0	2	15	10	1	0	1	14	4	2	3	2	2
		9	1000.1	-	3.7	0.8	6.9	86	5.3	0	8	3	9	8	0	0	0	0	0	0	2	5	2	18	1	0	4	14	10	0	1	0	17	4	2	2	2	0
		15	999.9	-	5.7	1.3	7.3	80	6.7	0	2	2	14	10	0	0	0	0	0	0	2	1	7	14	4	0	3	21	4	0	0	2	10	7	5	2	2	0
		21	999.9	-	4.6	0.9	7.3	85	6.3	1	1	8	2	16	0	0	0	0	0	0	0	5	10	12	1	0	5	15	7	1	0	2	11	8	2	0	3	1
PRESTWICK	21	3	1000.1	-	3.0	0.7	6.8	88	5.3	3	4	4	7	10	0	0	0	0	0	0	0	5	13	10	0	0	1	13	11	3	0	0	2	8	8	3	2	1
		9	1000.9	-12.0	3.0	0.7	6.7	88	5.7	0	5	3	16	4	0	0	0	0	1	0	0	4	14	9	0	0	1	9	18	0	0	1	10	7	5	2	1	1
		15	1000.9	-	5.5	1.5	6.9	76	6.5	0	2	4	11	10	1	0	0	0	0	0	0	1	11	14	1	0	1	16	11	0	0	1	10	5	7	2	4	0
		21	1001.0	-	3.7	0.9	6.9	85	6.2	1	2	4	10	11	0	0	0	0	0	0	0	4	17	7	0	0	2	12	13	1	0	1	9	8	6	1	2	0
RHUVAAL	19	3	999.8	-	4.6	1.3	6.8	79	5.0	4	5	3	3	13	0	0	0	0	0	0	0	0	1	14	10	0	1	7	18	2	0	0	9	6	5	5	0	1
		9	1000.5	-	4.3	1.3	6.6	79	5.2	2	5	6	3	12	0	0	0	0	0	0	1	0	4	14	12	0	2	10	15	1	0	1	8	6	5	2	2	1
		15	1000.3	-	5.6	1.6	6.8	75	6.5	0	1	7	8	12	0	0	0	0	0	0	0	0	4	14	10	0	2	12	14	0	0	1	7	5	6	2	2	1
		21	1000.4	-	4.9	1.4	6.8	77	6.0	2	5	2	1	18	0	0	0	0	0	0	0	0	4	14	10	0	4	10	12	2	0	0	8	8	6	3	0	1

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

FEBRUARY 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																																			
6 SCOTLAND W-CONTD.																																											
STRATHCLYDE -CONTD.																																											
SLOY	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	2.8	0.8	6.5	86	6.0	2	2	3	9	12	0	0	0	0	0	0	0	0	8	19	1	0	0	2	20	6	0	3	4	5	3	4	0	3
		15	-	-	4.9	1.5	6.5	76	6.7	0	1	3	11	13	0	0	0	0	0	0	0	0	8	20	0	0	0	0	24	4	1	5	4	6	4	3	1	0
		21	-	-	3.2	0.9	6.5	84	6.2	0	3	5	7	13	0	0	0	0	0	0	0	0	5	23	0	0	0	0	25	3	0	4	2	4	4	6	1	4
TIREE	10	3	999.4	-	3.9	0.8	7.1	86	4.7	1	9	3	7	8	0	0	0	0	0	0	0	3	8	6	11	0	3	18	6	1	1	3	7	5	4	5	2	0
		9	1000.1	-11.4	4.0	0.9	7.0	85	5.2	0	5	7	11	5	0	0	0	0	0	0	0	3	5	7	13	0	7	12	7	2	0	5	4	6	6	3	1	1
		15	999.9	-	5.4	1.3	7.3	81	6.6	0	1	6	12	9	0	0	0	0	0	0	0	9	8	11	0	0	8	14	6	0	0	4	7	7	8	1	1	0
		21	1000.0	-	4.3	0.9	7.1	85	6.4	0	3	2	12	11	0	0	0	0	0	0	1	2	11	6	8	0	11	12	5	0	0	5	7	8	4	2	1	1
DUMFRIES & GALLOWAY																																										
ESKDALEMUIR	237	3	1001.1	-	0.7	0.4	6.1	92	6.0	3	2	3	4	16	0	0	0	0	0	1	6	7	6	8	0	0	0	7	13	8	7	2	0	2	4	2	0	3
		9	1001.6	-11.6	1.1	0.4	6.2	92	6.1	3	0	4	8	13	0	0	1	0	0	0	4	6	9	6	2	0	0	10	15	3	10	5	0	2	2	4	2	0
		15	1001.3	-	3.6	1.2	6.6	82	6.6	0	1	4	13	10	0	0	0	0	0	0	7	8	8	5	0	0	0	9	17	2	2	8	1	5	6	3	1	0
		21	1002.1	-	1.6	0.5	6.3	91	6.6	2	1	2	7	16	0	0	0	0	0	0	1	7	12	6	2	0	0	5	19	4	4	5	0	4	7	3	0	1
2 ENGLAND E & NE																																										
NORTHUMBERLAND																																										
BOULMER	27	3	1001.5	-	2.9	0.5	7.0	91	5.8	2	3	4	7	12	0	0	1	0	0	0	8	6	2	8	3	0	1	10	16	1	1	4	3	3	5	4	4	3
		9	1001.9	-	3.3	0.5	7.1	91	5.9	1	4	3	9	11	0	0	0	0	0	2	4	7	5	7	3	0	1	11	16	0	2	4	3	4	6	5	3	1
		15	1002.1	-	5.0	0.9	7.5	85	6.4	0	4	1	12	11	0	0	0	0	0	1	4	6	9	6	2	0	1	9	18	0	4	2	6	4	5	3	1	3
		21	1002.6	-	3.3	0.5	7.1	91	5.6	1	6	4	1	16	0	0	0	0	0	1	6	10	4	6	1	0	1	9	17	1	2	3	3	5	7	1	3	3
SEAHOUSES	12	3	1001.3	-	-	-	-	-	4.9	3	6	5	3	11	0	0	0	0	0	0	3	11	8	6	0	0	3	10	12	3	1	4	2	1	9	2	3	3
		9	1001.7	-	-	-	-	-	5.7	0	4	7	8	9	0	0	0	0	1	0	4	9	4	10	0	0	0	4	7	16	1	2	3	4	1	10	1	6	0
		15	1002.0	-	-	-	-	-	6.0	0	3	7	7	11	0	0	0	0	0	1	10	8	8	1	1	2	9	15	1	3	5	4	1	8	2	3	1	0
		21	1002.5	-	-	-	-	-	5.6	0	5	7	4	12	0	0	0	0	0	0	1	14	6	6	1	0	2	9	16	1	1	5	4	3	10	0	4	0
TYNE & WEAR																																										
NEWCASTLE	72	3	1001.6	-	3.4	0.6	7.1	90	6.7	1	3	1	4	19	0	0	0	0	1	3	5	10	3	5	1	0	0	6	20	2	2	2	3	3	9	1	5	1
WEATHER CENTRE	(X)	9	1002.2	-	3.6	0.8	6.9	86	6.1	0	4	5	2	17	0	0	0	0	0	0	11	6	8	3	0	0	0	5	21	2	1	3	3	4	8	1	4	2
		15	1002.2	-	5.8	1.6	7.0	76	6.5	0	2	3	11	12	0	0	0	0	0	0	4	8	8	8	0	0	0	7	21	0	2	2	8	1	7	4	3	1
		21	1002.7	-	4.3	0.8	7.2	86	6.1	1	4	3	5	15	0	0	0	0	0	1	8	13	4	2	0	0	0	5	21	2	3	1	4	5	8	2	3	0
TYNEMOUTH	40	3	1002.0	-	3.9	0.7	7.2	88	5.9	4	3	1	5	15	0	0	0	0	0	0	2	5	17	4	0	0	6	9	12	1	2	4	0	3	10	1	6	1
		9	1002.4	-10.9	4.0	0.8	7.1	86	6.2	0	5	2	6	15	0	0	0	0	0	2	3	5	16	2	0	1	3	12	11	1	1	3	2	2	9	1	6	1
		15	1002.7	-	5.4	1.2	7.3	82	6.3	1	1	6	9	11	0	0	0	0	0	0	6	6	14	2	0	1	2	11	13	1	3	2	7	2	6	4	3	0
		21	1003.1	-	4.5	0.8	7.4	87	6.0	2	4	3	4	15	0	0	0	0	0	0	3	4	19	2	0	0	3	11	13	1	3	3	4	2	12	1	2	0
NORTH YORKSHIRE																																										
LEEMING	33	3	1001.7	-	3.2	0.5	7.1	91	6.4	2	3	1	5	15	2	0	1	0	1	2	6	6	4	4	4	0	1	5	21	1	4	1	2	5	7	0	4	4
		9	1002.5	-11.3	3.2	0.6	6.9	90	6.2	1	4	3	6	13	1	0	0	1	1	2	4	8	3	5	4	0	0	0	10	16	2	1	4	1	7	4	3	3
		15	1002.3	-	5.7	1.3	7.3	80	6.4	0	3	3	10	12	0	0	0	0	0	0	6	6	4	8	4	0	0	0	13	15	0	5	2	2	5	7	4	2	1
		21	1002.8	-	3.7	0.6	7.3	90	6.3	2	3	3	2	18	0	0	0	0	1	4	4	10	4	2	3	0	0	0	8	17	3	4	2	1	8	6	3	1	0
WHITBY C.G.	66	3	1002.1	-	3.7	0.5	7.3	91	6.2	1	3	4	3	17	0	0	0	0	0	0	2	8	10	5	3	2	5	9	12	0	0	2	2	2	14	3	3	2
		9	1002.6	-	3.8	0.6	7.2	89	6.3	0	3	5	6	14	0	0	0	0	1	0	3	5	8	7	4	0	6	11	10	1	2	2	3	7	5	5	2	1
		15	1002.8	-	5.6	1.1	7.6	83	6.5	0	2	5	9	12	0	0	0	0	0	2	2	6	3	11	4	0	2	2	13	11	2	0	3	1	6	5	4	2	5
		21	1003.3	-	4.1	0.6	7.4	89	6.0	2	3	4	5	14	0	0	0	0	0	0	0	14	7	5	2	0	4	4	18	2	1	3	3	5	7	4	1	2
HUMBERSIDE																																										
SPURN POINT	20	3	1002.7	-	4.2	0.5	7.6	91	5.4	3	4	6	2	13	0	0	0	0	0	1	2	4	11	10	0	0	2	13	11	2	1	2	1	6	9	2	5	0
		9	1003.2	-	4.4	0.6	7.6	90	6.0	0	6	3	4	15	0	0	0	0	1	1	4	9	9	4	0	0	3	18	5	2	0	3	3	4	6	5	2	3
		15	1003.4	-	5.9	1.1	7.8	83	6.3	0	5	2	8	13	0	0	1	0	0	0	3	7	13	4	0	0	2	16	10	0	3	3	1	6	7	4	1	0
		21	1003.8	-	4.8	0.7	7.7	89	5.9	2	3	3	5	15	0	0	0	0	0	1	5	15	7	0	0	0	1	16	9	2	1	2	3	6	8	2	3	1
LINCOLNSHIRE																																										
BINBROOK	112	3	1002.4	-	3.1	0.4	7.2	93	6.3	2	3	2	4	17	0	0	1	0	0	4	8	5	6	4	0	0	3	11	13	1	1	2	2	3	10	4	4	1
		9	1003.0	-	3.1	0.4	7.2	92	5.7	0	5	5	6	12	0	0	0	1	4	1	4	10	4	4	0	0	3	14	11	0	0	2	3	6	7	5	3	2
		15	1003.0	-	5.1	0.9	7.5	85	6.6	0	3	2	9	14	0	0	0	0	0	1	1	11	8	6	1	0	0	0	18	10	0	1	4	2	5	9	3	3	1
		21	1003.5	-	3.5	0.5	7.3	91	5.8	2	4	4	3	15	0	0	1	1	0	2	4	8	5	7	0	0	0	2	13	13	0	2	2	1	4	9	7	2	1
WADDINGTON	70	3	1002.5	-	3.3	0.4	7.3	93	6.4	4	0	1	7	16	0	0	0	0	4	3	6	3	6	4	2	0	1	14	13	0	1	4	4	6	4	6	2	1
		9	1003.1	-11.4	3.5	0.4	7.4	93	5.6	1	7	2	6	11	1	0	3	0	0	3	3	9	4	3	3	0	1	15	12	0	1	2	5	4	5	6	3	2
		15	1003.0	-	5.8	1.1	7.8	84	6.5	0	2	5	7	14	0	0	0	1	0	1	3	7	5	8	3	0	0	17	10	1	1	2	3	7	4	5	4	1
		21	1003.6	-	3.9	0.4	7.5	92	6.0	2	3	3	5	14	1	0	1	1	0	2	1	10	6	7	0	0	0	13	15	0	1	4	2	7	7	5	1	1
3 EAST ANGLIA																																										
NORFOLK																																										
COLTISHALL	17	3	1003.5	-	3.6	0.6	7.2	90	6.2	1	4	3	4	14	2	0	3	1	4	1	2	4	7	6	0	0	0	9	17	2	1	2	5	2	7	4	4	1
		9	1004.0	-	4.8	0.8	7.6	87	5.8	0	7	1	8	10	2	0	0	1	2	2	2	9	8	3	1	0	3	7	17	1	1	2	4	3	7	8	1	1
		15	1003.9	-	6.8	1.4	8.0	80	6.7	0	2	3	11	12	0	0	0	0	1	1	1	5	7	3	0	0	0	13	15	0	1	1	3	3	9	5	5	1
		21	1004.7	-	4.4	0.7	7.5	89	5.1	1	10	1	5	10	1	0	1	2	1	1	3	5	9	6	0	0	1	10	14	3	0	4	1	6	4	7	2	1
MARHAM	24	3	1003.4	-	3.7	0.3	7.6	95	6.3	1	4	2	4	15	2	0	1	1	0	2	5	7	4	8	0	0	0	11	17	0	1	4	5	5	6	5	2	0
		9	1003.9	-10.9	4.5	0.4	7.9	93	5.9	0	6	2	8	11	1	0	0	1	0	1	0	13	4	5	4	0	0	0	10	18	0	1	3	5	3	8	6	1	1
		15	1003.7	-	7.0	1.2	8.3	83	6.0	0	4	6	7	11	0	0	0	0	0	0	2	7	4	8	7	0	0	0	12	16	0	2	1	3	3	10	4	4	1
		21	1004.4	-	4.3	0.4	7.9	94	6.0	2	3	4	4	14	1	0	0	1	0	1	4	5	8	8	1	0	0	12	16	0	1	2	4	6	8	4	2	1
CAMBRIDGESHIRE																																										
WITTERING	76	3	1003.0	-	3.6	0.4	7.4	93	5.5	4	4	2	6	9	3	0	1	2	3	2	3	5	4	5	3	0	1	9	17	1	2	3	5	3	6	4	4	0
		9	1003.5	-11.3	3.8	0.4	7.6	93	6.0	1	6	0	7	11	3	0	3	1	2	1	3	7	3	7	1	0	0	13	15	0	3	1	3	4	7	6	4	0
		15	1003.3	-	6.2	1.0	8.1	85	6.6	0	0	5	13	9	1	0	0	1	0	0	3	7	4	11	2	0	0	15	13	0	1	3	2	3	8	4	6	1
		21	1003.9	-	4.1	0.5	7.7	92	5.8	3	1	4	8	11	1	0	1	0	1	5	3	2	8	7	1	0	0	14	14	0	3	2	4	4	9	3	3	0
WYTON	43	3	1003.2	-	4.1	0.5	7.6	92	5.8	3	2	4	5	12	2	0	2	1	1	1	4	7	4	8	0	0	0	8	19	1	3	2	3	5	5	9	0	0
		9	1003.8	-	4.5	0.6	7.7	91	6.2	1	4	1	10	10	2	0	3	0	0	0	4	5	11	5	0	0	0	0	10	18	0	1	3	4	1	9	6	2	2
		15	1003.6	-	7.2	1.4	8.2	80	7.0	0	0	2	16	9	1	0	0	0	1	0	2	7	5	10	3	0	0	0	14	14	0	1	4	1	4	7	10	1	0
		21	1004.2	-	4.7	0.6	7.9	91	5.7	1	2	7	9	8	1	0	0	0	1	3	2	7	7	8	0	0	0	9	18	1	2	2	4	7	6	5	1	0
SUFFOLK																																										
ALDEBURGH	9	9	1005.4	-	-	-	-	-	6.1	1	1	6	7	12	1	1	0	1	0	1	3	6	16	0	0	1	2	9	15	1	3	0	2	4	2	9	6	1
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1005.8	-	-	-	-	-	3.6	13	0	4	0	11	0	0	0	0	0	2	1	8	15	0	2	0	4	9	11	4	1	1	1	4	6	5	5	1
HONINGTON	51	3	1003.5	-	3.8	0.5	7.5	92	6.3	1	3	2	7	12	3	0	2	1	0	3	5	8	2	7	0	0	0	9	19	0	3	2	3	5	7	6	2	0
		9	1004.0	-	4.5	0.6	7.7	91	5.8	1	6	0	11	9	1	0	1	0	1	2	4	5	4	9	2	0	0	0	12	16	0	1	3	3	3	9	5	3	1
		15	1003.9	-	7.0	1.5	7.9	79	6.4	0	1	7	12	8	0	0	0	0	0	0	2	6	5	9	6	0	0	0	13	15	0	0	1	1	4	8	4	5	2
		21	1004.6	-	4.4	0.6	7.6	90	5.6	1	5	4	6	11	1	0	0	1	0	4	2	7	9	5	0	0	0	9	19	0	2	2	3	8	8	5	0	0
WATTISHAM	91	3	1003.9	-	3.8	0.3	7.7	94	5.4	4	4	3	2	13	2	0	1	2	2	2	3	5	6	7	0	0	1	12	15	0	3	2	4	5	8	5	3	0
		9	1004.4	-	4.5	0.5	7.7	91	5.8	0	6	3	10	8	1	0	1	1	1	1	4	4	8	8	0	0	2	13	13	0	1	3	4	2	7	8	3	0
		15	1004.2	-	6.8	1.3	8.1	82	6.3	0	3	6	10	9	0	0	0	0	0	1	0	7	11	7	2	0	1	16	11	0	0	1	3	2	10	2	7	3
		21	1005.0	-	4.2	0.5	7.6	91	4.8	4	4	6	6	7	1	0	0	0	3	1	3	7	9	4	1	0	1	13	14	0	1	2	3	5	8	7	1	1
BEDFORDSHIRE																																										
CARDINGTON	30	3	1003.5	-	4.3	0.3	8.0	94	5.7	1	5	4	5	12	1	0	1	0	1	0	1	8	8	9	0	0	0	11	16	1	3	1	2	5	6	9	1	0
		9	1004.0	-11.3	4.7	0.5	8.0	93	5.9	0	5	3	9	8	3	0	1	3	0	0	4	2	14	4	0	0	0	12	16	0	2	3	2	3	10	5	3	0
		15	1003.7	-	7.7	1.3	8.6	82	6.7	0	0	4	16	8	0	0	0	0	0	2	2	3	9	12	0	0	0	2	11	15	0	3	1	4	1	9	9	1	0
		21	1004.4	-	5.0	0.5	8.1	92	6.1	1	3	5	5	14	0	0	0	0	0	0	1	9	11	7	0	0	0	10	17	1	3	0	3	6	8	5	1	1

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

FEBRUARY 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT								VISIBILITY							WIND SPEED AND DIRECTION																	
									OKTAS															BEAUFORT FORCE																	
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 199M	200 - 399M	400 - 999M	1000 - 1999M	2000 - 3999M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																																			
3 EAST ANGLIA -CONTD.																																									
ESSEX																																									
SHOEBURYNESS	5	9	1004.7	-10.7	5.8	0.6	8.4	90	5.9	0	5	3	13	6	1	0	1	0	0	1	3	3	8	12	0	0	0	14	14	0	2	1	3	3	7	9	2	1
		15	1004.7	-	7.8	1.4	8.6	81	6.2	0	3	4	15	6	0	0	0	0	1	1	0	6	4	10	6	0	1	14	13	0	0	1	4	2	8	5	6	2
		21	1005.3	-	5.6	0.6	8.3	90	5.4	1	4	7	9	7	0	0	1	0	0	1	2	4	6	11	3	0	0	14	13	1	3	0	2	6	7	7	2	0
STANSTED	102	3	1003.7	-	3.9	0.4	7.7	94	6.0	3	1	5	7	9	3	0	1	2	1	0	2	11	4	7	0	0	0	8	20	0	2	1	2	6	7	9	1	0
		9	1004.3	-11.0	4.5	0.5	7.8	91	6.0	0	6	1	9	10	2	0	1	0	1	1	3	4	7	5	6	0	0	7	20	1	0	1	5	2	8	5	5	1
		15	1004.0	-	7.3	1.5	8.2	79	6.3	0	2	5	14	6	1	0	1	0	1	0	1	5	3	11	6	0	0	14	14	0	1	0	3	1	8	5	7	3
		21	1004.7	-	4.4	0.5	7.7	91	5.7	1	5	4	6	12	0	0	0	0	1	2	2	7	8	7	1	0	0	10	16	2	0	1	2	8	6	7	2	0
4 MIDLAND COUNTIES																																									
WEST YORKSHIRE																																									
HUDDERSFIELD	235	3	1001.9	-	1.4	0.3	6.5	95	7.0	2	0	1	5	17	3	2	1	0	2	2	4	2	8	7	0	2	3	2	17	4	2	4	1	3	3	4	6	1
OAKES		9	1002.6	-	2.1	0.2	6.9	95	6.2	2	3	2	5	14	2	1	6	1	4	1	2	4	7	2	0	1	1	4	12	10	2	2	1	0	3	8	2	0
		15	1002.5	-	4.4	0.9	7.1	85	6.7	0	1	4	8	15	0	0	1	2	1	2	2	6	9	5	0	0	1	7	18	2	2	6	3	1	8	3	3	0
		21	1003.0	-	2.8	0.4	7.0	92	6.3	1	2	6	2	17	0	0	0	1	0	2	2	5	12	6	0	0	3	4	16	5	0	4	5	1	7	3	3	0
WILSDEN	267	3	1002.0	-	1.8	0.3	6.7	94	6.5	3	1	2	2	15	5	0	2	3	0	3	4	6	10	0	0	0	3	8	13	4	1	3	2	6	5	4	3	0
		9	1002.6	-	1.7	0.3	6.7	95	6.5	2	2	2	3	13	6	0	4	1	2	7	0	5	8	1	0	0	2	6	18	2	1	5	6	2	3	5	4	0
		15	1002.4	-	3.8	0.8	7.0	87	6.6	0	2	4	6	12	4	0	2	1	3	2	2	6	10	2	0	0	0	7	20	1	1	3	6	6	4	4	3	0
		21	1003.0	-	2.4	0.4	6.8	93	6.7	0	2	5	3	15	3	0	1	2	0	3	5	9	8	0	0	0	1	8	17	2	1	4	3	7	5	4	2	0
SOUTH YORKSHIRE																																									
FINNINGLEY	15	3	1002.0	-	3.2	0.4	7.2	93	6.4	2	2	2	8	13	1	0	1	1	1	1	8	2	5	8	1	0	0	9	16	3	1	2	2	3	6	2	5	4
		9	1002.7	-11.7	3.5	0.4	7.4	93	5.7	2	5	3	2	13	3	0	1	2	0	1	4	13	4	3	1	0	0	7	19	2	1	3	2	6	6	4	2	2
		15	1002.6	-	5.9	1.1	7.7	83	6.7	0	1	4	11	12	0	0	0	0	0	1	2	4	14	6	1	0	1	9	17	1	4	2	2	6	6	4	3	0
		21	1003.1	-	3.8	0.5	7.4	91	5.8	3	2	5	4	14	0	0	0	0	1	2	5	11	5	4	0	0	0	8	18	2	3	1	3	5	6	2	4	2
NOTTINGHAMSHIRE																																									
WATNALL	119	3	1002.2	-	3.4	0.4	7.4	94	6.0	3	3	2	2	18	0	0	1	0	2	4	6	6	5	4	0	0	0	7	21	0	2	6	6	1	5	3	5	0
		9	1002.8	-11.7	3.4	0.4	7.4	94	6.0	0	7	1	4	14	2	0	2	2	0	3	3	14	3	1	0	0	0	10	18	0	3	5	3	2	7	5	3	0
		15	1002.5	-	5.7	0.8	8.0	87	7.0	0	2	2	11	13	0	0	0	0	0	2	9	6	7	3	1	0	0	10	18	0	2	2	4	4	8	3	1
		21	1003.1	-	3.9	0.4	7.6	93	6.4	2	2	3	3	17	1	1	0	0	2	2	6	9	6	2	0	0	0	9	18	1	6	2	5	4	6	3	1	0
SALOP																																									
SHAWBURY	76	3	1001.7	-	4.1	0.4	7.7	93	6.3	0	3	6	4	15	0	0	0	0	0	3	6	5	9	5	0	0	2	5	17	4	2	0	6	4	3	3	6	0
		9	1002.2	-12.6	4.2	0.4	7.8	93	6.0	1	3	4	8	12	0	0	0	0	0	5	4	8	2	9	0	0	0	6	21	1	1	2	4	7	6	5	2	0
		15	1001.8	-	6.5	0.9	8.4	86	7.0	0	1	0	16	11	0	0	0	0	0	1	3	8	5	11	0	0	2	6	20	0	2	3	4	5	9	1	4	0
		21	1002.5	-	4.8	0.5	7.9	92	6.2	0	4	4	6	14	0	0	0	0	1	1	3	9	5	9	0	0	0	7	21	0	1	0	7	7	7	3	3	0
WEST MIDLANDS																																									
EDGBASTON	165	9	1003.1	-12.0	3.6	0.5	7.3	91	6.4	1	2	3	9	9	4	0	0	4	2	0	4	11	5	2	0	0	0	6	20	2	1	1	4	2	9	4	5	0
		15	1002.7	-	5.9	1.3	7.5	80	7.3	0	0	1	15	12	0	0	0	0	0	0	4	10	10	4	0	0	0	8	18	2	0	3	2	3	8	6	4	0
		21	1003.4	-	4.7	0.8	7.6	88	6.6	1	2	2	9	14	0	0	0	0	3	1	1	6	16	1	0	0	0	7	20	1	0	3	2	7	8	3	3	1
ELMDON	100	3	1002.7	-	3.8	0.6	7.3	90	6.3	1	3	5	4	14	1	0	1	0	0	1	4	7	9	6	0	0	0	9	18	1	2	1	2	6	6	8	1	1
		9	1003.2	-11.8	3.9	0.5	7.5	91	6.2	0	5	1	10	10	2	0	0	0	2	1	4	3	6	10	2	0	0	1	8	18	1	3	2	2	6	6	6	2	0
		15	1002.8	-	6.4	1.3	7.7	80	7.3	0	0	1	15	12	0	0	0	0	0	0	3	8	12	4	1	0	0	11	17	0	0	5	3	2	8	7	3	0
		21	1003.6	-	4.4	0.7	7.6	89	6.3	1	4	2	7	14	0	0	0	0	0	2	4	7	11	4	0	0	0	7	19	2	1	3	1	8	7	4	1	1
HEREFORD & WORCESTER																																									
PERSHORE	36	3	1002.6	-	4.6	0.6	7.8	91	6.3	1	4	2	6	15	0	0	0	0	0	0	1	8	11	6	2	0	2	7	19	0	2	1	3	7	5	8	1	1
		9	1002.9	-	4.5	0.5	7.9	92	6.1	2	3	2	9	12	0	0	0	0	1	0	3	10	9	5	0	0	0	12	15	1	2	1	4	3	7	9	1	0
		15	1002.7	-	7.6	1.4	8.4	80	7.1	0	0	2	18	8	0	0	0	0	0	0	0	6	12	9	1	0	0	12	16	0	0	3	3	3	9	7	3	0
		21	1003.3	-	5.1	0.7	8.0	90	6.4	1	2	4	5	16	0	0	0	0	0	0	0	10	7	11	0	0	1	11	16	0	1	2	6	6	4	7	1	1
GLOUCESTER																																									
INNSWORTH	24	3	1002.5	-	5.4	0.7	8.1	89	5.5	3	2	6	5	12	0	0	0	0	0	0	2	8	7	10	1	0	0	3	24	1	2	0	4	5	6	9	0	1
		9	1003.1	-	5.4	0.7	8.1	89	5.9	0	6	1	13	8	0	0	0	0	0	0	2	14	10	1	1	0	0	4	20	4	3	1	3	2	9	5	1	0
		15	1002.7	-	8.2	1.6	8.5	78	6.6	0	3	0	16	9	0	0	0	0	0	0	1	9	12	4	2	0	0	0	10	18	0	1	3	1	6	6	11	0	0
		21	1003.2	-	6.1	0.8	8.3	87	5.8	2	3	3	8	12	0	0	0	0	0	0	1	11	10	6	0	0	0	0	8	16	4	1	1	2	5	10	4	0	1
OXFORDSHIRE																																									
BENSON	74	3	1003.6	-	4.8	0.7	7.8	89	5.8	3	3	4	3	14	1	0	1	0	0	2	1	6	7	8	3	0	1	12	14	1	1	3	1	6	5	10	1	0
		9	1004.1	-	4.9	0.7	7.7	88	5.9	1	4	4	9	9	1	0	1	0	0	0	4	7	7	6	3	0	0	10	15	3	1	0	3	2	13	4	1	1
		15	1003.7	-	8.0	1.9	8.0	74	6.6	0	0	0	5	14	9	0	0	0	0	0	1	1	3	3	14	6	0	1	16	10	1	1	3	0	5	7	8	2	1
		21	1004.3	-	5.4	0.9	7.8	86	6.1	0	4	4	7	13	0	0	0	0	0	1	1	3	8	12	3	0	1	14	12	1	1	0	4	7	8	3	3	1
BRIZE NORTON	92	3	1003.3	-	4.2	0.5	7.6	91	5.7	3	3	4	8	10	0	0	1	0	1	1	2	4	11	8	0	0	1	7	18	2	2	3	4	3	4	4	6	0
		9	1003.8	-	4.3	0.6	7.7	91	6.1	0	5	2	12	9	0	0	1	0	2	2	2	5	9	6	1	0	0	7	21	0	1	3	4	4	5	7	4	0
		15	1003.3	-	7.8	1.8	8.0	76	6.3	0	2	6	11	9	0	0	0	0	0	0	4	8	12	4	0	0	0	13	15	0	1	1	3	3	6	9	5	0
		21	1003.9	-	4.8	0.7	7.8	89	5.5	1	5	5	6	11	0	0	0	0	0	0	2	6	7	12	1	0	0	9	19	0	2	1	3	8	4	9	1	0
5 ENGLAND SE & CENT. S.																																									
GREATER LONDON																																									
HEATHROW	26	3	1004.1	-	5.1	0.6	8.1	91	5.5	2	4	4	6	11	1	0	1	0	0	2	1	7	8	9	0	0	0	7	21	0	3	1	3	4	5	7	3	2
		9	1004.6	-10.9	5.5	0.7	8.2	89	5.5	0	6	5	8	8	1	0	1	0	0	1	4	4	12	6	0	0	0	6	22	0	2	1	3	1	9	6	4	2
		15	1004.3	-	8.5	1.8	8.4	75	5.8	0	3	7	11	7	0	0	0	0	0	0	2	5	6	12	3	0	0	0	11	17	0	2	1	2	3	10	5	5	1
		21	1004.8	-	6.0	0.8	8.3	87	5.3	3	3	6	7	9	0	0	0	0	0	2	1	6	12	6	1	0	0	0	8	20	0	2	1	3	7	6	6	3	0
KEW	10	3	1004.1	-	5.0	0.9	7.7	86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1004.7	-10.8	5.7	1.1	7.9	85	5.7	0	7	2	9	9	1	0	1	0	0	1	3	5	12	6	0	0	0	9	17	2	1	2	2	1	10	8	1	1
		15	1004.4	-	8.5	2.4	7.9	70	6.1	0	1	10	8	9	0	0	0	0	0	0	3	3	7	12	3	0	0	0	13	14	1	0	1	2	4	7	8	3	2
		21	1004.9	-	5.9	1.3	7.8	83	5.4	3	4	3	10	8	0	0	0	0	0	1	1	6	12	8	0	0	0	0	8	18	2	1	2	4	5	7	6	1	0
LONDON	24	3	1003.9	-	6.1	1.2	7.8	82	5.5	3	4	3	6	12	0	0	0	0	1	1	1	5	11	9	0	0	0	11	17	0	2	3	1	4	7	6	5	0
WEATHER CENTRE (X)		9	1004.6	-	6.4	1.3	7.9	81	6.1	0	4	4	10	10	0	0	0	0	0	2	1	5	16	3	1	0	0	9	19	0	0	5	1	1	8	9	2	2
		15	1004.3	-	8.9	2.5	7.8	68	5.9	0	3	6	12	7	0	0	0	0	0	0	1	6	7	11	3	0	0	0	14	13	1	0	2	1	4	7	6	5	1
		21	1005.2	-	7.0	1.6	7.9	77	5.2	4	4	2	11	7	0	0	0	0	0	0	3	4	7	14	0	0	0	0	10	18	0	0	4	0	8	7	7	2	0
WILTSHIRE																																									
BOSCOMBE DOWN	128	3	1003.6	-	4.2	0.4	7.8	93	5.6	2	4	3	7	9	3	0	2	0	4	0	0	4	5	13	0	0	1	12	13	2	0	1	6	2	7	8	2	0
		9	1004.2	-11.7	4.5	0.5	7.9	92	5.7	1	5	3	9	9	1	0	1	1	1	0	2	5	9	8	1	0	0	13	15	0	2	0	5	3	9	5	3	1
		15	1003.7	-	7.7	1.5	8.4	79	6.5	0	1	4	17	6	0	0	0	0	0	1	3	6	16	2	0	1	18	9	0	2	0	3	2	10	6	5	0
		21	1004.4	-	4.9	0.5	8.0	91	5.4	3	4	6	1	14	0	0	0	0	1	0	1	2	11	10	3	0	1	13	14	0	2	0	4	6	9	3	4	0
LYNEHAM	149	3	1003.3	-	4.3	0.5	7.7	92	6.1	3	1	3	10	10	1	0	1	0	2	2	2	1	8	10	2	0	0	11	16	1	1	1	5	2	8	8	1	1
		9	1003.9	-11.7	4.3	0.5	7.7	91	6.2	1	4	1	11	10	1	0	1	1	0	2	1	9	8	5	1	0	0	10	18	0	1	2	3	2	11	8	1	0
		15	1003.4	-	7.3	1.5	8.1	79	6.3	0	2	6	12	8	0	0	0	0	0	1	3	7	13	4	0	2	17	9	0	1	1	2	5	9	8	2	0	0
		21	1004.0	-	4.7	0.6	7.9	91	6.3	1	4	2	7	14	0	0	0	1	0	2	0	5	11	7	2	0	1	10	16	1	1	1	3	5	11	4	2	0
UPAVON	183	9	1004.2	-	3.9	0.3	7.8	94	5.6	2	5	3	9	9	0	0	0	3	0	1	2	7	10	3	2	0	0	8	19	1	2	0	4	2	7	5	7	0
		15	1003.6	-	7.6	1.4	8.4	80	6.4	0	2	4	12	10	2	0	0	1	0	1	6	8	10	2	0	2	15	11	0	1	1	3	3	7	9	3	1	0
		21	1004.4	-	4.4	0.4	7.9	93	5.3	3	5	4	3	11	2	0	0	2	0	0	2	3	10	10	1	0	1	9	10	0	2	0	3	7	7	5	4	0

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

FEBRUARY 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT								VISIBILITY								WIND SPEED AND DIRECTION															
									OKTAS																BEAUFORT FORCE															
																									8 OR MORE	6-7	4-5	1-3	CALM											
																									SPEED (KT)															
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																																
5 ENGLAND SE & CENT. S. KENT		-CONTD.																																					
DUNGENESS	7	3	1005.0	-	-	-	-	-	5.7	2	3	6	4	12	1	0	1	0	1	0	0	3	7	16	0	0	5	13	10	0	2	1	2	2	5	7	9	0
		9	1005.5	-	6.6	0.8	8.7	88	6.1	0	3	6	9	9	1	0	1	0	2	1	1	5	9	9	0	0	5	18	5	0	2	1	0	5	4	7	9	1
		15	1005.6	-	-	-	-	-	6.4	0	1	7	10	10	0	0	0	0	0	0	0	8	11	9	0	0	3	17	8	0	1	0	3	2	8	6	7	1
		21	1005.9	-	-	-	-	-	4.9	2	3	9	6	7	1	0	0	0	1	1	0	5	4	16	1	0	2	17	9	0	1	2	1	5	7	7	5	0
MANSTON	45	3	1004.8	-	4.8	0.5	8.0	91	5.1	3	4	4	10	7	0	0	1	0	1	1	1	3	7	13	1	0	1	12	15	0	3	0	2	5	8	9	1	0
		9	1005.2	-	5.8	0.8	8.2	88	5.9	0	5	4	13	3	3	0	1	2	0	1	1	6	9	8	0	0	3	10	15	0	1	0	2	3	10	7	4	1
		15	1005.3	-	7.6	1.3	8.5	82	6.1	0	1	7	14	6	0	0	0	0	1	0	2	7	7	8	3	0	2	17	9	0	1	2	1	4	9	7	2	2
		21	1005.9	-	5.3	0.6	8.2	91	5.7	1	2	8	10	7	0	0	0	0	1	1	2	7	7	9	1	0	1	15	12	0	1	1	1	7	8	8	2	0
HAMPSHIRE																																							
SOUTHAMPTON	9	3	1004.0	-	6.0	0.7	8.5	89	5.2	2	6	3	7	10	0	0	0	0	0	1	2	4	7	14	0	0	0	5	21	2	1	3	2	3	6	2	9	0
WEATHER CENTRE (X)		9	1004.7	-	6.3	0.8	8.5	88	5.9	2	3	3	11	8	1	0	1	0	0	0	4	9	8	6	0	0	0	5	23	0	0	4	3	2	7	4	6	2
		15	1004.5	-	8.7	1.6	8.8	78	6.6	0	1	3	16	8	0	0	0	0	0	1	0	4	8	13	2	0	0	0	9	19	0	0	1	2	4	7	6	7	1
		21	1004.8	-	6.8	0.9	8.6	86	5.5	2	4	4	7	11	0	0	0	0	0	0	0	7	14	7	0	0	0	5	22	1	2	2	2	3	8	6	4	0
WEST SUSSEX																																							
GATWICK	60	3	1004.5	-	4.3	0.3	8.0	94	5.9	1	3	5	6	11	2	1	1	0	0	2	5	7	6	6	0	0	0	9	17	2	3	1	2	2	6	10	1	1
		9	1005.0	-10.8	5.2	0.5	8.2	91	6.1	0	3	5	9	9	2	0	1	1	0	2	4	5	6	9	0	0	1	8	18	1	1	2	4	0	7	10	2	1
		15	1004.8	-	7.9	1.5	8.5	80	6.1	0	2	6	12	8	0	0	0	0	0	0	3	8	6	9	2	0	0	17	11	0	0	0	2	5	4	11	4	2
		21	1005.3	-	5.4	0.6	8.3	90	5.4	2	4	6	6	10	0	0	0	0	1	2	0	9	11	4	1	0	0	8	17	3	0	2	5	3	5	8	2	0
EAST SUSSEX																																							
HERSTMONCEUX	28	3	1005.3	-	5.3	0.5	8.4	92	5.7	1	2	7	8	10	0	0	0	0	0	1	1	7	12	7	0	0	4	6	16	2	5	1	3	1	9	3	4	0
		9	1005.8	-	5.9	0.6	8.5	90	5.7	0	5	4	9	9	1	0	1	1	0	2	1	5	9	8	1	1	4	8	14	1	2	1	3	0	8	7	6	0
		15	1005.8	-	7.6	1.1	9.0	85	6.2	0	3	5	11	9	0	0	0	1	0	0	1	2	12	9	3	0	1	7	14	0	1	1	3	2	10	5	6	0
		21	1006.1	-	5.9	0.6	8.6	91	5.6	1	4	5	11	7	0	0	0	2	0	0	1	7	9	8	1	0	3	8	16	1	4	1	3	4	7	6	2	0
7A ENGLAND NW & I.O.M. CUMBRIA																																							
CARLISLE	28	3	1000.9	-	3.1	0.6	7.0	90	6.1	2	2	3	8	13	0	0	0	0	0	0	2	11	12	3	0	0	0	8	19	1	0	4	9	4	7	2	1	0
		9	1001.6	-12.0	3.2	0.6	6.9	89	6.4	1	2	2	16	7	0	0	0	1	0	0	0	3	16	8	0	0	0	9	19	0	0	2	12	5	4	1	4	0
		15	1001.5	-	6.1	1.5	7.3	77	6.3	0	3	3	15	7	0	0	0	0	0	0	1	0	4	9	14	1	0	0	11	17	0	0	1	11	5	5	4	2	0
		21	1001.9	-	3.8	0.8	7.0	87	6.4	1	4	0	10	13	0	0	0	0	0	0	0	10	16	2	0	0	0	8	19	1	0	3	10	3	5	4	2	0
LANCASHIRE																																							
SQUIRES GATE	11	3	1000.9	-	3.4	0.4	7.4	93	6.2	2	3	3	6	13	1	0	1	0	0	0	4	12	7	3	1	0	0	12	16	0	0	2	9	7	2	3	5	0
		9	1001.6	-12.5	3.8	0.3	7.7	94	6.1	0	4	3	11	10	0	0	0	0	0	1	7	9	10	1	0	0	1	9	18	0	0	1	1	11	6	2	4	2	1
		15	1001.3	-	6.3	1.0	8.1	85	6.6	0	1	4	15	8	0	0	0	0	0	0	3	7	11	7	0	0	0	15	13	0	0	0	3	6	5	7	4	2	1
		21	1001.7	-	4.3	0.5	7.7	91	6.4	2	1	3	8	14	0	0	0	0	0	1	3	10	11	3	0	0	0	15	13	0	0	0	3	7	11	1	3	2	1
MERSEYSIDE																																							
SPEKE	24	3	1001.6	-	3.9	0.4	7.6	93	5.7	2	3	5	7	11	0	0	0	1	0	0	2	8	11	3	3	0	0	9	19	0	0	2	8	5	3	3	6	1
		9	1002.2	-12.3	4.3	0.4	7.8	93	5.7	0	8	0	8	12	0	0	0	0	0	3	6	7	6	4	2	0	0	13	14	1	0	2	5	7	5	4	3	1
		15	1001.8	-	6.5	1.1	8.1	83	6.6	0	2	4	12	10	0	0	0	0	0	1	3	6	8	9	1	0	0	12	16	0	1	2	2	11	6	2	4	0
		21	1002.4	-	4.7	0.6	7.8	90	6.0	1	6	1	6	14	0	0	0	0	0	0	4	7	9	7	1	0	0	13	15	0	0	1	7	7	8	0	5	0
GREATER MANCHESTER																																							
MANCHESTER	42	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEATHER CENTRE (X)		9	1002.6	-	4.8	0.9	7.4	85	6.3	2	3	1	8	14	0	0	0	0	0	1	3	10	10	4	0	0	0	5	23	0	1	3	8	5	5	5	1	0
		15	1002.3	-	6.8	1.7	7.4	75	6.7	0	2	2	13	11	0	0	0	0	0	1	1	7	14	5	0	0	0	3	25	0	0	4	4	3	8	6	2	1
		21	1002.9	-	5.3	1.1	7.4	82	6.4	1	2	2	12	11	0	0	0	0	0	1	2	10	10	5	0	0	0	4	24	0	0	3	3	11	5	3	2	1
RINGWAY	84	3	1001.8	-	4.1	0.9	7.0	85	6.2	1	3	3	9	11	1	0	1	0	0	0	1	8	8	8	0	0	1	9	18	0	1	1	8	1	8	4	4	1
		9	1002.3	-12.0	4.4	1.0	7.0	83	6.3	1	3	2	10	12	0	0	0	0	1	0	2	12	9	4	0	0	0	8	20	0	0	2	7	5	10	2	2	0
		15	1002.1	-	6.4	1.7	7.3	75	7.1	0	1	0	15	12	0	0	0	0	0	1	2	8	11	4	2	0	0	13	15	0	0	2	2	4	15	2	3	0
		21	1002.6	-	4.6	1.1	7.1	82	5.8	3	2	3	8	12	0	0	0	0	0	0	1	17	4	6	0	0	0	9	19	0	0	3	6	7	7	3	1	1
ISLE OF MAN																																							
POINT OF AYRE	9	3	1000.0	-	4.8	0.6	7.9	91	6.0	1	3	5	5	14	0	0	0	0	0	1	0	1	6	6	14	0	3	18	6	1	0	3	2	10	3	4	4	1
		9	1000.7	-12.5	4.4	0.6	7.6	90	6.1	0	2	8	6	12	0	0	0	0	0	1	0	4	2	17	4	0	5	13	9	1	0	2	6	8	3	5	3	0
		15	1000.7	-	6.1	1.1	7.9	83	6.5	0	1	7	7	13	0	0	0	0	0	1	1	2	3	18	3	0	3	16	8	1	0	4	3	8	6	3	3	0
		21	1000.8	-	5.2	0.8	7.8	88	6.7	1	1	5	1	20	0	0	0	0	0	0	1	3	7	6	11	0	7	14	7	0	0	4	3	10	6	2	3	0
RONALDSWAY	21	3	999.9	-	5.0	0.7	7.8	88	6.5	0	2	3	13	10	0	0	0	0	0	0	2	4	5	16	1	0	3	14	9	2	1	4	4	5	3	1	8	0
		9	1000.8	-12.8	4.7	0.7	7.7	89	6.4	0	2	5	14	7	0	0	0	0	0	1	0	5	7	13	2	0	1	18	8	1	3	3	8	3	3	3	4	0
		15	1000.5	-	6.2	1.1	8.0	83	6.6	0	4	0	13	11	0	0	0	0	0	0	2	2	12	11	1	0	1	19	8	0	0	3	7	6	8	1	3	0
		21	1000.6	-	5.5	0.8	7.9	87	7.1	0	3	1	3	21	0	0	0	0	0	0	1	11	5	9	2	0	3	16	8	1	1	4	6	6	5	1	4	0
7B WALES N GWYNEDD																																							
BARDSEY ISLAND	19	3	1000.5	-	6.6	0.5	9.1	93	5.7	5	0	5	3	15	0	0	0	1	0	0	0	3	24	0	0	2	7	8	10	1	2	3	3	4	5	5	5	0
		9	1000.9	-	6.5	0.5	9.0	93	6.2	0	1	8	10	9	0	0	0	0	0	0	0	1	20	6	1	0	5	13	9	1	0	3	5	2	6	6	5	0
		15	1000.6	-	7.2	0.6	9.4	92	6.6	1	0	4	10	13	0	0	0	0	0	0	0	1	18	7	2	0	4	11	11	2	1	2	2	6	8	5	2	0
		21	1001.0	-	6.9	0.5	9.3	93	5.1	6	1	6	3	12	0	0	0	0	0	0	0	3	25	0	0	0	5	12	11	0	0	3	2	3	9	5	6	0
VALLEY	11	3	1000.3	-	5.3	0.9	7.8	86	5.3	4	5	2	7	10	0	0	0	0	0	0	1	8	10	9	0	1	3	14	10	0	0	3	7	4	3	4	7	0
		9	1000.9	-13.1	5.7	0.9	7.9	85	6.3	0	3	4	13	8	0	0	0	0	0	1	1	2	8	16	0	0	4	14	10	0	0	3	5	3	7	6	4	0
		15	1000.5	-	7.4	1.5	8.1	78	6.5	0	2	3	15	8	0	0	0	0	0	0	2	2	12	11	1	0	1	19	8	0	0	3	2	3	13	5	3	1
		21	1000.8	-	5.9	0.9	8.2	87	6.2	1	2	5	7	13	0	0	0	0	0	0	1	7	6	14	0	0	0	11	9	0	1	2	5	5	6	5	4	0
8A WALES S DYFED																																							
ABERPORTH	134	3	1000.8	-	5.2	0.7	8.0	89	5.6	2	5	3	9	9	0	0	0	0	0	0	0	4	13	8	3	0	4	16	8	0	0	0	4	4	10	5	4	1
		9	1001.3	-13.8	5.1	0.6	8.1	91	5.9	0	3	7	14	4	0	0	0	0	0	0	1	6	16	3	2	0	3	16	6	0	0	0	1	1	5	13	3	0
		15	1000.6	-	7.0	1.2	8.3	82	6.5	0	3	3	15	7	0	0	0	0	1	0	1	1	16	7	2	0	6	16	6	0	0	0	3	1	6	9	3	0
		21	1001.4	-	5.5	0.7	8.2	89	5.4	3	3	6	4	12	0	0	0	0	0	0	0	6	8	12	2	0	4	13	11	0	0	0	2	2	6	11	4	1
BRAWDY	116	3	1000.9	-	5.3	0.5	8.3	92	5.7	0	4	9	5	10	0	0	0	1	1	2	1	2	16	5	0	0	3	13	12	0	0	0	4	6	6	4	7	1
		9	1001.5	-	5.4	0.5	8.4	92	6.7	0	1	2	17	8	0	0	1	0	2	0	1	7	12	4	1	0	1	11	16	0	1	0	2	9	5	4	7	0
		15	1000.8	-	7.0	1.0	8.7	86	6.8	0	1	3	14	10	0	0	0	1	1	0	2	5	8	9	2	0	4	16	8	0	0	2	1	5	9	5	6	0
		21	1001.6	-	5.8	0.6	8.5	91	5.4	2	4	5	8	9	0	0	0	1	0	2	2	2	11	10	0	0	2	16	10	0	1	1	2	8	5	4	6	1
BRYNAMMAN	-	9	-	-	4.7	0.4	8.1	94	6.3	1	1	6	6	14	0	1	0	0	0	2	4	13	8	0	0	0	0	3	16	9	0	0	2	4	2	3	8	0
		15	-	-	6.9	1.1	8.4	84	6.6	0	2	2	15	9	0	0	0	0	0	2	3	5	18	0	0	0	0	2	5	19	2	0	1	1	4	7	6	7	0
		21	-	-	5.1	0.5	8.2	92	6.5	2	1	1	10	14	0	0	0	0	0	2	0	23	3	0	0	0	0	1	2	20	5	0	0	1	8	5	4	5	0
MILFORD HAVEN C.B.	39	3	1001.1	-	6.6	0.5	9.1	93	4.9	6	4	2	3	13	0	0	0	0	0	0	1	12	13	2	0	0	3	11	13	1	0	2	3	6	4	5	6	1
		9	1001.6	-13.6	6.7	0.5	9.1	93	6.1	0	3	5	12	8	0	0	0	1	0	0	0	15	9	3	0	0	2	11	13	2	1	1	3	6	4	5	6	0
		15	1001.1	-	8.0	0.9	9.5	88	6.4	0	1	7	8	11	1	1	1	0	0	0	0	9	4	0	0	0	4	13	11	0	1	0	1	6	6	5	5	0
		21	1001.8	-	7.0	0.6	9.3	92	4.5	7	3	5	3	10	0	0	0	0	0	0	1	10	15	2	0	0	3	15	8	2	0	0	4	6	4	9	5	1
WEST GLAMORGAN																																							
MUMBLES HEAD	37	3	1002.1	-	6.0	0.4	8.9	94	5.7	3	4	3	2	16	0	0	0	0	0	0	1	4	10	11	2	1	6	13	7	1	1	1	7	3	6	3	6	0
		9	1002.6	-	6.1	0.4	8.9	94	6.8	0	1	5	12	10	0	0	0	0	1	0	0	15	6	5	1	0	7	11	10	2	1	2	5	6	4	3	7	0
		15	1002.2	-	7.3	0.6	9.4	92	6.7	0	1	3	12	12	0	0	0	0	0	0	2	9	9	7	1	0	2	11	6	2	0	4	6	6	6	2	5	0
		21	1002.7	-	6.4	0.4	9.0	93	5.6	3	3	3	7	11	1	0	0	0	1	0	0	5	8	11	3	1	3	18	5	1	0	1	8	3	5	4	6	0

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

FEBRUARY 1977

DISTRICT. REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT								VISIBILITY								WIND SPEED AND DIRECTION									
									OKTAS																BEAUFORT FORCE									
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
																									SPEED (KT)									
									NUMBER OF OBSERVATIONS																											
8A WALES S -CONTD. MID GLAMORGAN																																		
CILFYNYDD	195	3	-	-	-	-	-	-	-	1	1	3	6	17	0	0	0	0	0	0	1	23	4	0	0	-	-	7	-	-	-	-	-	-	-	-
		9	1003.0	-	4.3	0.5	7.7	91	6.7	1	1	3	6	17	0	0	0	0	0	0	1	23	4	0	0	0	2	7	13	6	0	3	4	1	5	6	3	0
		15	1002.5	-	6.7	1.3	8.0	81	7.1	0	0	4	7	17	0	0	0	0	0	0	0	20	8	0	0	0	2	9	17	0	0	0	5	1	8	7	7	0
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH GLAMORGAN																																				
RHOOSE	69	3	1002.4	-	5.3	0.6	8.2	91	5.7	0	5	5	7	10	1	0	0	1	0	1	0	9	9	8	0	0	0	15	13	0	0	2	8	2	5	3	6	2
		9	1003.0	-12.6	5.6	0.6	8.3	90	6.3	0	3	4	11	9	1	0	1	0	0	0	1	11	13	3	0	0	0	11	16	1	0	2	6	3	4	3	8	1
		15	1002.5	-	7.7	1.3	8.6	81	6.8	0	2	0	19	7	0	0	0	0	0	1	0	6	11	9	1	0	1	12	15	0	0	1	5	5	5	5	7	0
		21	1003.2	-	5.8	0.8	8.2	88	5.8	1	4	2	9	11	1	0	0	0	1	1	0	5	10	11	0	0	1	11	16	0	0	0	2	8	4	4	3	7
8B ENGLAND SW AVON																																				
FILTON	61	3	1002.8	-	5.1	0.7	8.0	89	5.7	3	2	3	12	8	0	0	0	0	0	1	1	9	12	5	0	0	0	13	15	0	1	2	5	4	6	3	7	0
		9	1003.4	-12.2	5.3	0.7	8.1	89	6.1	1	3	4	10	10	0	0	0	0	0	0	1	3	8	12	5	0	0	0	9	18	1	0	2	4	4	6	5	6	0
		15	1002.9	-	8.0	1.7	8.3	76	6.5	0	2	3	16	7	0	0	0	0	0	0	1	4	11	9	3	0	0	1	16	11	0	0	2	3	3	6	4	10	0
		21	1003.6	-	5.6	0.7	8.1	89	5.8	2	3	4	7	12	0	0	0	0	0	0	3	12	9	4	0	0	0	5	23	0	1	3	4	5	5	4	6	0
SOMERSET																																				
EXTON	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	3.9	0.2	7.9	96	6.5	0	2	5	7	9	5	0	4	1	0	0	2	12	5	4	0	0	0	6	20	2	1	1	2	2	7	4	9	0
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	4.0	0.3	7.9	95	5.4	1	6	4	3	10	4	0	4	0	0	0	0	9	5	9	1	0	0	8	20	0	1	0	3	0	13	4	7	0
YEOVILTON	23	3	1003.7	-	5.5	0.6	8.4	91	5.1	5	2	6	3	12	0	0	0	0	1	0	0	12	10	5	0	0	1	11	12	4	0	1	7	1	4	6	4	1
		9	1004.3	-	5.8	0.5	8.6	91	5.9	0	4	6	9	9	0	0	1	1	0	0	1	13	5	7	0	0	1	10	13	4	0	3	2	3	7	7	2	0
		15	1003.9	-	8.8	1.3	9.4	82	6.4	0	0	9	10	9	0	0	0	0	0	1	0	8	13	6	0	1	2	14	11	0	2	0	2	3	8	8	5	0
		21	1004.5	-	6.1	0.6	8.6	91	5.6	2	5	1	9	11	0	0	0	0	0	0	1	7	16	4	0	0	1	6	18	3	1	0	2	5	7	5	4	1
DORSET																																				
HURN	11	3	1004.0	-	5.6	0.6	8.4	91	5.1	4	3	5	6	10	0	0	0	0	0	1	2	8	8	9	0	0	0	10	16	2	1	2	3	2	7	8	2	1
		9	1004.7	-	6.0	0.6	8.7	91	5.8	0	6	2	12	8	0	0	0	0	2	1	1	5	10	9	0	0	0	10	18	0	1	3	4	1	9	6	3	1
		15	1004.4	-	8.5	1.5	8.9	79	6.5	0	1	6	12	9	0	0	0	0	1	0	1	5	8	13	0	0	1	14	13	0	1	1	3	1	10	10	2	0
		21	1004.9	-	6.3	0.7	8.6	90	5.3	1	6	5	5	10	1	0	0	0	1	0	0	9	9	9	0	0	1	7	19	1	0	1	1	4	7	7	4	3
PORTLAND	54	3	1004.0	-	6.9	0.4	9.5	94	4.4	7	4	4	5	7	1	0	1	0	0	0	0	8	10	9	0	0	11	8	8	1	0	1	2	3	5	5	10	1
BILL.C.G.		9	1004.7	-	7.0	0.3	9.7	95	6.2	0	4	3	9	10	2	0	0	0	2	1	0	5	14	6	0	1	5	14	9	0	0	1	3	2	5	8	8	1
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEVON																																				
EXETER	38	3	1003.0	-	5.9	0.7	8.4	89	5.4	1	5	5	9	8	0	0	0	0	1	0	1	3	6	16	1	0	0	8	19	1	0	2	3	6	4	7	3	2
		9	1003.7	-12.2	6.1	0.7	8.6	90	6.5	0	3	2	13	10	0	0	1	0	0	0	2	3	6	10	5	0	0	8	20	0	2	3	2	5	10	2	3	1
		15	1003.2	-	8.7	1.5	9.0	79	6.9	0	2	1	15	10	0	0	0	0	1	0	0	4	8	12	3	0	0	2	16	10	0	0	0	1	6	9	4	5	3
		21	1003.8	-	6.8	0.8	8.8	89	5.7	1	5	4	5	13	0	0	0	0	0	0	0	9	8	9	2	0	0	11	16	1	0	0	4	7	7	4	4	1
HARTLAND POINT	93	3	1001.6	-	6.6	0.5	9.1	92	5.5	0	5	7	5	11	0	0	0	0	0	0	0	1	9	10	8	0	0	9	14	3	2	1	0	0	6	0	6	4	9	0
		9	1002.3	-	6.6	0.6	9.0	91	6.6	0	0	6	13	9	0	0	0	0	0	0	0	4	13	6	5	1	8	13	5	1	0	0	3	3	6	4	11	0
		15	1001.6	-	7.9	0.9	9.3	87	6.6	1	0	3	15	9	0	0	0	0	0	1	1	9	8	9	1	1	10	8	8	1	1	1	2	2	6	3	12	0
		21	1002.3	-	7.0	0.6	9.1	90	5.8	0	2	9	5	11	1	0	1	0	0	0	0	1	8	8	10	2	7	13	6	0	1	1	1	6	1	4	5	8	2
MOUNT BATTEN	28	3	1002.7	-	7.0	0.8	8.9	89	5.7	2	2	5	11	8	0	0	0	0	0	2	0	0	8	12	6	0	0	4	11	12	1	1	0	0	5	1	6	4	9	1
		9	1003.4	-12.4	6.9	0.7	9.0	90	6.6	0	1	4	14	9	0	0	0	0	2	1	3	11	7	4	0	0	2	14	11	1	0	0	0	5	3	5	8	1
		15	1003.0	-	8.7	1.2	9.5	84	6.6	0	2	3	12	11	0	0	0	0	1	0	0	9	10	7	1	0	2	17	9	0	0	0	0	2	7	9	8	0
		21	1003.6	-	7.6	0.9	9.2	87	5.9	2	3	4	8	11	0	0	0	0	0	0	2	7	13	6	0	0	3	14	11	0	1	0	3	5	5	4	9	1
PRAWLE POINT	-	3	-	-	-	-	-	-	5.1	4	2	7	4	10	1	0	1	0	0	1	1	3	16	6	0	3	13	4	6	2	0	0	2	2	2	3	15	2
		9	-	-	-	-	-	-	6.4	0	1	7	11	8	1	0	0	0	1	0	0	8	9	10	0	5	9	9	4	1	0	0	2	3	1	4	16	1
		15	-	-	-	-	-	-	6.5	0	1	6	9	10	2	2	0	0	0	0	2	7	10	7	0	4	7	13	4	0	0	0	2	2	6	4	14	0
		21	-	-	-	-	-	-	5.5	3	5	3	3	14	0	0	0	0	1	1	0	7	9	10	0	5	10	8	4	1	1	0	2	1	7	2	14	0
CORNWALL																																				
GWENNAP HEAD	70	3	1002.2	-	8.0	1.0	9.3	86	4.9	2	5	7	5	8	1	0	0	1	0	0	0	4	9	12	2	1	8	13	6	0	2	0	1	2	1	11	9	2
		9	1002.3	-	7.9	0.8	9.5	89	6.3	0	0	7	10	10	1	0	0	1	0	0	0	8	6	12	0	2	8	11	7	0	2	0	0	5	0	13	7	1
		15	1001.8	-	8.7	1.0	9.7	86	6.3	0	1	7	9	8	3	0	2	1	0	0	0	6	8	9	2	3	6	16	3	0	1	0	0	3	3	14	7	0
		21	1002.6	-	8.1	1.0	9.4	86	5.0	1	7	5	5	8	2	0	1	1	0	0	0	4	5	15	2	1	10	12	4	1	1	0	0	3	3	9	8	3
ST MAWGAN	107	3	1002.3	-	6.5	0.7	8.7	89	5.3	1	4	8	7	8	0	0	0	0	1	0	1	6	7	11	2	0	3	11	13	1	1	0	1	3	9	5	6	2
		9	1002.8	-12.7	6.7	0.7	8.9	89	6.9	0	0	3	16	9	0	0	0	0	1	0	0	8	10	8	1	0	3	14	11	0	0	0	0	2	4	10	5	7	0
		15	1002.2	-	8.2	1.3	9.0	82	6.6	0	0	5	15	8	0	0	0	0	0	2	0	7	6	10	3	0	0	8	17	3	0	1	0	0	4	8	3	11	1
		21	1003.1	-	7.2	0.9	9.0	87	6.2	0	1	8	8	11	0	0	0	0	0	1	3	3	8	10	3	0	5	15	7	1	0	0	0	2	4	6	5	6	4
SCILLY	61	3	1002.8	-	8.0	1.0	9.3	86	4.9	2	5	7	4	9	1	0	0	0	1	0	0	2	9	10	6	0	0	7	14	7	0	2	0	0	2	4	6	12	2
		9	1002.9	-12.3	8.3	0.9	9.6	87	6.0	0	3	7	8	9	1	0	0	0	1	0	0	1	6	5	12	3	0	4	15	9	0	1	0	0	0	5	5	7	9	2
		15	1002.4	-	9.4	1.5	9.6	81	5.8	0	0	13	7	5	3	0	0	0	3	0	0	5	8	11	1	0	12	13	2	1	1	0	0	0	4	4	7	9	2
		21	1003.3	-	8.3	1.0	9.5	86	4.8	0	8	8	1	10	1	0	0	1	0	1	0	1	8	14	3	1	5	17	5	0	0	0	0	0	5	2	7	9	5
CHANNEL ISLANDS																																				
GUERNSEY AIRPORT	105	3	1005.6	-	6.8	0.7	9.0	90	5.3	1	6	5	7	9	0	0	1	0	0	0	2	4	5	13	3	0	3	17	8	0	1	0	3	0	7	11	4	2
		9	1006.3	-	6.9	0.6	9.1	91	6.1	0	3	4	13	8	0	0	1	1	0	0	2	4	8	10	3	0	2	20	6	0	0	2	2	1	9	8	5	1
		15	1006.1	-	8.0	1.1	9.1	84	6.4	0	2	5	11	10	0	0	1	0	0	0	2	4	6	11	5	0	3	18	7	0	1	1	2	1	11	10	4	0
		21	1006.5	-	7.1	0.9	8.9	87	5.6	1	4	4	11	8	0	0	2	0	0	1	0	3	5	14	3	0	3	18	7	0	1	0	2	1	5	6	6	8	0
JERSEY AIRPORT	83	9	1006.4	-	6.8	0.6	9.1	91	6.1	0	1	7	12	8	0	0	1	0	0	0	1	5	8	10	3	0	0	20	8	0	0	2	2	2	8	9	4	1
		15	1006.1	-	8.2	1.2	9.1	83	6.1	0	2	5	15	6	0	0	0	1	0	0	0	5	5	15	2	0	0	20	8	0	1	0	2	2	2	11	6	6	0
NORTHERN IRELAND LONDONDERRY																																				
MONEYDIG	35	9	999.4	-	2.3	0.5	6.7	91	5.4	2	3	7	5	9	2	3	2	0	0	0	3	2	6	12	0	0	1	1	26	0	1	1	9	2	10	2	2	1
		15	999.6	-	5.2	1.1	7.4	83	6.7	0	1	6	6	15	0	0	1	0	0	0	4	4	7	12	0	0	2	10	16	0	0	1	10	1	11	1	3	1
ANTRIM																																				
ALDERGROVE	73	3	999.5	-	3.7	0.7	7.0	87	6.2	1	2	4	9	12	0	0	0	0	0	0	4	5	12	5	2	0	0	9	18	1	0	3	8	4	6	6	0	0
		9	1000.2	-13.1	3.3	0.8	6.8	86	6.3	1	1	3	14	9	0	0	1	1	0	0	1	7	6	10	0	0	0	9	18	1	0	4	9	7	4	1	2	0
		15	999.8	-	5.6	1.4	7.2	78	6.7	0	1	4	12	11	0	0	0	0	0	2	1	7	6	10	0	0	0	9	18	1	0	4	9	7	4	1	2	0
		21	999.9	-	4.3	0.9	7.2	86	6.4	1	3	1	12	11	0	0	0	0	0	1	0	9	9	9	0	0	0	20	8	0	0	3	7	8	3	5	2	0
TYRONE																																				
CARRIGANS	112	9	999.6	-	2.9	0.5	6.9	90	6.4	0	1	6	11	9	1	0	0	1	0	0	1	10	12	2	2	0	0	7	17	4	2	4	4	10	2	0	2	0
		15	999.0	-	5.5	1.0	7.7	84	6.6	0	1	5	10	12	0	0	0	0	0	0	0	10	12	5	1	0	0	8	19	2	1	3	5	10	3	3	2	0
		21	999.2	-	4.0	0.6	7.4	90	6.3	1	3	4	3	17	0	0	0	0	0	0	0	9	16	3	0	0	0	6	20	2	2	5	6	8	2	2	1	0

TABLE 5 NUMBER OF DAYS WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS

FEBRUARY 1977

STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
LERWICK (PSYCHROMETER)	0	23	5	0	0	0	0	0	0	0	0	8	20	0	0	0
LERWICK (SCREEN)	0	23	5	0	0	0	0	0	0	0	0	8	20	0	0	0
STORNOWAY	0	6	22	0	0	0	0	0	0	0	0	4	24	0	0	0
CRAIBSTONE	1	18	9	0	0	0	0	0	0	0	2	14	12	0	0	0
ROTHESAY	0	7	21	0	0	0	0	0	0	0	0	5	22	1	0	0
ABBOTSINCH	0	7	21	0	0	0	0	0	0	0	2	7	18	1	0	0
ESKDALEMUIR (PSYCHROMETER)	0	16	12	0	0	0	0	0	0	0	3	11	14	0	0	0
ESKDALEMUIR (SCREEN)	0	14	14	0	0	0	0	0	0	0	3	10	15	0	0	0
DOUGLAS	0	7	21	0	0	0	0	0	0	0	0	2	23	3	0	0
BOULMER	0	10	18	0	0	0	0	0	0	0	0	7	21	0	0	0
HULL	0	4	21	3	0	0	0	0	0	0	0	5	21	2	0	0
GORLESTON	0	3	19	6	0	0	0	0	0	0	0	2	23	3	0	0
CAMBRIDGE BOTANIC GARDENS	0	1	16	11	0	0	0	0	0	0	0	6	15	7	0	0
EDGBASTON	0	8	19	1	0	0	0	0	0	0	0	4	19	5	0	0
KEW (PSYCHROMETER)	0	1	14	13	0	0	0	0	0	0	1	5	10	12	0	0
KEW (NORTH-WALL SCREEN)	0	1	13	14	0	0	0	0	0	0	0	4	12	12	0	0
HASTINGS	0	1	23	4	0	0	0	0	0	0	0	0	13	15	0	0
SOUTHAMPTON	0	0	16	12	0	0	0	0	0	0	0	1	15	12	0	0
STONYHURST	0	8	20	0	0	0	0	0	0	0	0	7	21	0	0	0
VALLEY	0	1	24	3	0	0	0	0	0	0	0	4	12	12	0	0
RHOOSE	0	0	23	5	0	0	0	0	0	0	0	2	13	13	0	0
FALMOUTH	0	0	12	16	0	0	0	0	0	0	0	0	15	13	0	0
ALDERGROVE	0	7	21	0	0	0	0	0	0	0	0	6	20	2	0	0
ARMAGH	0	5	23	0	0	0	0	0	0	0	0	6	21	1	0	0

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

FEBRUARY 1977

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED							MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT	HOURS OF NO RECORD		HOURLY WIND			GUST				
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS						VEER FROM N	SPEED-KT	DAY	HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY	TIME
0 SCOTLAND N																					
SHETLAND	LERWICK	93	10	10		0	8	79	345	170	78	0	12.9	110	30	18	22	120	45	18	0842
ORKNEY	KIRKWALL AIRPORT	41	15	10	18	1	11	79	316	225	51	0	12.8	110	34	18	05	110	49	18	0548
WESTERN ISLES	BENBECULA	16	10	10		0	9	54	351	209	58	0	12.3	290	31	3	21	290	49	3	2154
	STORNOWAY	12	10	10		0	9	61	324	246	41	0	12.5	310	30	4	00	300	45	4	0018
HIGHLAND	DALCROSS	19	10	10		0	1	3	178	287	204	0	7.4	240	23	4	02	230	36	4	0024
	DOUNREAY	34	12	9		0	8	50	208	240	136	38	10.2	130	30	18	05	320	47	4	0606
	DUIRINISH	38	20	17	DEFECTIVE RECORD																
	FORT AUGUSTUS	58	16	16		0	0	0	81	279	312	0	4.8	050	19	10	05	040	36	10	0454
	WICK	45	10	10		0	9	73	312	224	63	0	12.3	120	30	18	04	120	46	18	0524
1 SCOTLAND E																					
GRAMPIAN	ABERDEEN DYCE AIRPORT	68	10	10		0	1	4	173	315	180	0	7.4	160	27	3	03	160	39	3	0336
	FRASERBURGH	29	13	11	4 10 11	11	8	61	223	313	51	13	11.7	270	36	4	05	270	50	4	0500
	KINLOSS	18	13	13		0	4	9	204	314	145	0	8.4	240	26	4	02	140	40	17	1200
	LOSSIEMOUTH	17	10			0	5	44	213	277	138	0	9.6	080	29	11	00	080	45	11	0154
TAYSIDE	BELL ROCK	39	40	38	2 10 11	23	19	190	337	109	13	0	17.9	070	38	10	18	090	50	10	0848
	MYLNEFIELD	40	10			0	0	0	104	312	256	0	6.3	060	20	10	23	060	36	10	2154
	TUMMEL BRIDGE	161	16	16		0	0	0	36	288	346	2	4.5	090	15	10	03	090	32	10	0330
FIFE	LEUCHARS	25	13	13		0	5	56	267	239	110	0	10.9	060	31	10	17	060	43	10	1936
LOTHIAN	EDINBURGH TURNHOUSE AIRPORT	43	13	10		0	4	16	265	299	92	0	9.7	200	30	3	03	200	49	3	0142
	ROYAL OBSERVATORY. BLACKFORD HILL	159	10	10	2 3	10	7	59	378	211	14	0	13.7	190	42	3	04	200	67	3	0400
	FORTH ROAD BRIDGE	72		72	10	8	7	49	279	244	92	0	11.5	060	35	10	17	180	49	3	0230
6 SCOTLAND W																					
STRATHCLYDE	ABBOTSINCH AIRPORT	16	10	10		0	2	5	238	288	141	0	8.7	070	22	10	08	070	36	10	0805
	ARDROSSAN	24	20			0	7	43	427	164	38	0	13.0	240	30	3	20	270	45	3	2042
	DUNSTAFFNAGE	13	10	10		0	5	38	334	231	69	0	11.2	060	27	10	09	260	47	3	2300
	GREENOCK PORT	51	49			0	7	41	329	231	71	0	11.5	080	28	10	09	210	50	3	0242
	INCHTERF	40	12			0	2	22	214	271	159	6	8.7	050	26	11	01	040	41	11	0054
	LOWTHER HILL	754	27		2-4 7 10 17 22-24	46	22	213	275	112	9	17	19.2	200	52	2	23	200	75	3	0106
	MACHRIHANISH	22	12	12	3	1	14	82	404	163	22	0	14.7	160	34	3	00	230	49	3	1906
	PAISLEY	57	25	9		0	1	3	114	373	170	12	6.8	190	23	3	01	190	42	3	0306
	PRESTWICK AIRPORT	21	10	10		0	5	18	333	253	68	0	10.8	070	27	10	22	240	42	3	2018
	TIREE	24	16	12		0	16	150	363	131	28	0	15.6	140	32	4	21	160	44	1	2136
DUMFRIES AND GALLOWAY	ESKDALEMUIR	259	10	10		0	2	5	190	315	162	0	7.7	180	24	2	22	180	50	3	0636
	WEST FREUGH	25	10	10		0	2	6	250	325	56	35	9.7	190	26	3	01	190	40	3	0054
2 ENGLAND E & NE																					
NORTHUMBERLAND	BLYTH	19	10	10		0	7	49	228	276	77	42	10.8	090	31	10	11	240	46	3	2312
	BOULMER	33	10	10		0	4	20	235	309	108	0	9.6	090	30	10	10	090	43	10	1042
TYNE AND WEAR	SOUTH SHIELDS	22	17	13		0	4	26	246	282	118	0	9.6	110	29	10	11	110	38	10	1154
CLEVELAND	SOUTH GARE	22	14	15	10	4	14	118	288	201	61	0	13.8	100	34	10	12	190	51	3	0654
DURHAM	DURHAM	119	16	10		0	1	1	130	294	219	28	6.5	240	25	3	22	240	49	3	2242
NORTH YORKSHIRE	LEEMING	42	10	10		0	3	6	216	334	116	0	8.5	250	30	4	00	250	50	3	2230
	LINTON-ON-OUSE	23	9	10		0	3	7	154	394	117	0	7.8	250	26	4	01	250	43	4	0136
	SILPHO MOOR	207	15	9		0	1	8	57	316	282	9	5.4	170	24	3	04	170	49	3	0448
LINCOLNSHIRE	BINBROOK	118	10	10		0	8	54	325	248	45	0	12.0	190	30	3	08	190	43	3	0612
	CONINGSBY	16	10	10		0	2	4	259	319	90	0	9.4	230	24	10	18	240	39	7	1400
	CRANWELL	68	13	13		0	7	36	283	322	31	0	11.0	240	27	10	18	240	40	10	2230
	SCAMPTON	68	10	10		0	1	1	300	332	39	0	10.0	230	22	7	13	230	36	7	1342
	WADDINGTON	80	10	10		0	5	19	312	291	50	0	10.7	250	25	10	23	250	41	10	2342
3 EAST ANGLIA																					
NORFOLK	COLTISHALL	27	10	10		0	4	16	254	267	135	0	9.2	230	26	11	09	250	55	7	1636
	GORLESTON	16	13	13	3 18	11	10	52	269	242	93	5	11.5	190	37	3	07	200	51	3	1054

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES ABOVE MSL	ABOVE GROUND	EFFECTIVE	DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED: 34 KT OR MORE (GALE FORCE) DATES OF OCCURRENCE	NUMBER OF HOURS	22-33 KT NUMBER OF DAYS	22-33 KT NUMBER OF HOURS	11-21 KT NUMBER OF HOURS	4-10 KT NUMBER OF HOURS	LESS THAN 4 KT NUMBER OF HOURS	HOURS OF NO RECORD	MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES: HOURLY WIND YEAR FROM N	HOURLY WIND SPEED-KT	HOURLY WIND DAY	HOURLY WIND HOUR BEGINNING	GUST YEAR FROM N	GUST SPEED-KT	GUST DAY	GUST TIME
3 EAST ANGLIA	- CONTINUED																					
	MARHAM	29	10	10		0	4	7	259	317	89	0	9.6	230	24	7	04	230	40	7	1554
CAMBRIDGESHIRE	WITTERING	83	10	10		0	6	26	300	279	67	0	10.7	200	28	18	17	200	43	18	1730
	WYTON	45	10	10		0	3	10	228	368	66	0	9.3	230	23	7	15	220	41	10	1754
SUFFOLK	HONINGTON	60	13	13		0	2	3	246	310	113	0	9.1	260	26	19	00	280	40	19	0006
	WATTISHAM	105	17	10		0	3	17	330	311	14	0	11.8	280	29	19	00	270	43	19	0030
BEDFORDSHIRE	BEDFORD	94	13	9		0	4	12	217	378	65	0	9.2	200	24	18	15	250	39	7	1500
	CARDINGTON	70	41	41		0	8	79	266	282	45	0	11.9	180	30	18	16	180	47	18	1648
HERTFORDSHIRE	GARSTON	94	15	10		0	0	0	91	428	153	0	6.3	270	17	18	23	270	45	18	2254
	ROTHAMSTED	141	13	10																	
ESSEX	SHOEBURYNESS	17	14	12		0	3	12	317	307	36	0	10.6	200	29	18	18	260	47	18	2342
	STANSTED	108	10	10		0	1	1	242	380	49	0	9.4	280	26	18	23	280	43	18	2324
4 MIDLAND COUNTIES																					
SOUTH YORKSHIRE	FINNINGLEY	19	10	10		0	0	0	171	341	160	0	7.4	230	20	7	14	230	35	7	1448
	SHEFFIELD UNIVERSITY	146	29	15		0	4	6	167	288	211	0	7.2	260	25	19	11	260	44	3	2218
NOTTINGHAMSHIRE	WATNALL	130	13	10		0	1	1	207	364	100	0	8.4	190	22	3	02	240	43	10	2130
STAFFORDSHIRE	KEELE	215	15	10		0	0	0	75	398	199	0	5.7	190	18	3	04	280	40	7	1142
SALOP	SHAWBURY	84	12	10		0	4	7	163	366	136	0	7.9	180	24	3	03	250	44	7	1436
WEST MIDLANDS	BIRMINGHAM EDGBASTON	196	36	22		0	1	4	138	335	195	0	7.1	180	23	3	00	180	41	3	0112
	ELMDON AIRPORT	104	10	10		0	1	2	216	351	103	0	8.7	180	22	3	02	210	40	5	0842
HEREFORD & WORCS	PERSHORE	47	10	10		0	3	11	256	350	55	0	9.9	230	24	7	13	250	41	7	1236
OXFORDSHIRE	BENSON	60	10	10		0	2	14	315	281	62	0	10.6	190	25	18	14	270	46	18	2154
	BRIZE NORTON	91	13	10		0	1	1	230	362	79	0	8.9	280	23	18	21	310	41	18	2124
	OXFORD					0	6	42	266	293	43	28	11.3	220	28	18	21	160	58	18	1436
5 ENGLAND SE & CENTRAL S																					
GREATER LONDON	HEATHROW AIRPORT	34	10	10		0	1	4	196	386	86	0	8.2	260	26	18	22	260	45	18	2218
	KEW	28	23	15		0	1	4	233	296	139	0	8.3	230	24	18	21	230	44	18	2118
	LONDON WEATHER CENTRE	93	70	38		0	1	2	267	375	28	0	9.5	220	22	18	21	230	40	18	2142
	POST OFFICE TOWER		174		7 18 20	11	16	190	342	97	0	32	17.7	270	40	18	22	250	56	18	1806
WILTSHIRE	BOSCOMBE DOWN	130	17	17		0	5	21	348	274	29	0	11.3	270	31	18	20	270	51	18	2030
	LARKHILL	145	13	10		0	1	4	221	376	71	0	8.8	260	25	18	20	250	46	18	2006
	LYNEHAM	159	14	11		0	3	13	281	352	26	0	10.0	240	25	7	15	240	48	7	1524
	PORTON	120	10	10	18	1	7	23	294	302	52	0	11.0	200	34	18	14	260	53	18	2042
KENT	DUNGENESS	16	10	10		0	13	111	385	159	17	0	15.2	230	33	18	21	250	54	18	2318
	ISLE OF GRAIN	15	12	10		0	7	29	295	269	79	0	10.6	230	31	18	22	230	52	18	2230
	DOVER	27	21	18	5 7 10 17 18 20	24	14	180	281	150	33	4	16.8	250	46	18	22	250	62	18	2218
	MANSTON	62	18	18	18	3	13	69	359	225	16	0	13.4	220	37	18	22	220	56	18	2236
HAMPSHIRE	CALSHOT	15	13	10	18	3	12	36	379	217	37	0	12.7	200	35	18	16	210	52	18	1212
	FARNBOROUGH	75	10	10		0	1	5	186	342	139	0	8.1	260	22	18	21	210	43	18	1712
	MIDDLE WALLOP	94	10	10		0	4	13	302	280	76	1	10.3	270	31	18	21	260	56	18	2048
WEST SUSSEX	GATWICK AIRPORT	69	10	10		0	2	12	253	290	117	0	9.4	260	30	18	22	260	53	18	2212
	THORNEY ISLAND	16	10	10	DEFECTIVE RECORD																
7A ENGLAND NW & I O M																					
CUMBRIA	CARLISLE	41	13	9		0	0	0	237	360	75	0	8.9	180	20	3	01	220	39	5	1230
	GREAT DUN FELL	857	10	10	2 3 5 7 17 18 23 24	50	20	234	268	100	20	0	19.7	220	47	2	20	210	67	3	0148
	MOOR HOUSE	595	13	12	DEFECTIVE RECORD																
	SELLAFIELD	25	12	11		0	1	6	157	375	127	7	7.8	150	22	3	00	150	36	3	0000
LANCASHIRE	FLEETWOOD	34	15	9		0	3	4	318	318	32	0	10.6	150	23	3	04	220	41	18	0554
	SQUIRES GATE AIRPORT	22	12	11		0	2	5	305	332	30	0	10.2	240	26	18	06	230	36	18	0530
MERSEYSIDE	AIGBURTH	38	23	11		0	1	3	263	336	70	0	9.3	220	26	7	01	220	36	7	0112
	SPEKE AIRPORT	30	10	10		0	1	2	258	361	51	0	9.6	170	22	3	03	280	35	10	2130
GREATER MANCHESTER	MANCHESTER RINGWAY AIRPORT	80	10	10		0	1	8	242	345	77	0	9.2	190	25	3	02	190	40	3	0212
	WEATHER CENTRE	82	45	17		0	0	0	156	442	74	0	7.7	200	20	3	04	190	39	3	0424
ISLE OF MAN	POINT OF AYRE	20	10	10		0	12	106	391	158	17	0	14.8	140	30	15	21	150	43	15	2206
	RONALDSWAY	25	10	10		0	12	44	399	192	37	0	13.0	170	33	2	22	180	46	2	2212
7B WALES N																					
GWYNEDD	VALLEY	26	16	12	2 3 18	7	16	128	313	204	20	0	14.8	170	38	3	02	170	53	3	0200
8A WALES SOUTH																					
DYFED	ABERPORTH	144	10	10		0	11	85	375	197	15	0	14.0	170	33	2	23	180	50	2	2312
	BRAWDY	121	10	10		0	11	46	330	258	38	0	11.9	200	26	3	01	200	43	15	1442
	MILFORD HAVEN	47	10	10		0	9	45	351	221	46	9	12.1	230	27	6	20	260	50	7	1306
WEST GLAMORGAN	PORT TALBOT	28	12	11		0	6	15	267	275	115	0	9.7	100	28	20	03	100	45	20	0348
MID GLAMORGAN	CILFYNYDD	210	16	16		0	6	34	239	290	77	32	10.0	230	30	6	21	240	51	6	2136
SOUTH GLAMORGAN	RHOOSE AIRPORT	74	10	10		0	5	21	299	328	24	0	11.0	290	28	18	19	290	45	18	1854
8B ENGLAND SW																					
AVON	AVONMOUTH	28	19	10		0	5	30	252	359	31	0	10.6	290	28	18	20	290	46	18	1936
SOMERSET	YEOVILTON	22	12	10		0	5	18	275	320	58	1	10.2	210	28	18	14	220	50	18	1442
DORSET	HURN AIRPORT	23	13	11		0	3	13	269	315	75	0	9.7	240	26	18	19	210	45	5	1918
	PORTLAND BILL CG	60	13	13	18	3	17	140	291	196	32	10	15.0	290	38	18	19	280	55	18	1912
DEVON	MOUNT BATTEN	64	13	13	18	1	10	66	340	203	62	0	12.7	220	37	18	11	220	56	18	1124
CORNWALL	CULDROSE			18		3	12	88	368	181	32	0	14.1	210	36	18	11	230	60	18	1654
	LIZARD	96	23	18	2 3 6 7 17 18 27	45	22	280	282	56	1	8	20.9	220	44	18	10	220	63	18	1448
	ST MAWGAN	120	13	13		0	12	109	364	170	29	0	14.3	300	32	18	16	280	49	18	1612
	SCILLY(ST MARYS)	70	20	17	17 18 27	11	18	184	343	121	13	0	17.3	270	40	17	22	270	60	17	2242
CHANNEL ISLANDS																					
	GUERNSEY AIRPORT	111	11	10		0	10	68	452	152	0	0	14.6	240	28	18	17	260	50	18	0006
	JERSEY AIRPORT	94	12	10		0	4	14	460	186	12	0	12.7	240	27	17	22	260	49	17	2318
NORTHERN IRELAND																					
LONDONDERRY	COLERAINE UNIVERSITY	33	10	10		0	0	0	139	388	145	0	7.3	230	21	3	18	230	33	3	1624
ANTRIM	ALDERGROVE	80	10	10		0	2	3	338	289	42	0	10.2	170	23	3	00	170	35	3	0100
	BALLYPATRICK FOREST	166	13	13		0	8	33	346	212	25	56	12.7	210	26	3	01		46	3	1648
	BELFAST HARBOUR	21	18	18		0	6	42	291	260	79	0	10.7	260	26	3	20	260	42	3	2048
DOWN	KILKEEL	36	19	14		0	2	3	290	282	92	5	9.4	150	23	2	22	150	37	2	2154
	ORLOCK HEAD	51	16	12	3	3	19	171	363	109	12	14	16.6	250	38	3	19	250	53	3	1912
TYRONE	CARRIGANS	129	10	10		0	0	0	136	368	163	5	7.0	130	20	4	18	270	42	18	0248
FERMANAGH	CASTLE ARCHDALE FOREST	80	13	13		0	0	0	183	403	79	7	8.2	120	18	27	14	130	35	27	1206

TABLE 3 ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)											BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY		PRECIP-ITATION		SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE	0.2 MM OR MORE	1.0 MM OR MORE													
1975	AUGUST	EAST DEREHAM		11.9	19.2																									
1975	SEPTEMBER	KINROSS															22	16												
	OCTOBER	BALTASOUND											60	50	7	1	23	17												
1976	JULY	NEWTON RIGG	22.0	(11.4)	(16.7)	(+2.4)	29.8	2	5.0	31	17.7		30	56	7	12,15	11	9	0	0	0	0	1	0	0	0		0	7.54	155	
1976	AUGUST	DALL	21.3	5.7	13.5		27.1	25	0.2	13			5	6	3	12	6	1	0	0	0	0	0	1	0	7		1			
		YORK HESLINGTON		10.6									10	14			4	4												
		GORLESTON											66	106			5	5												
1976	SEPTEMBER	BALLYMONEY	15.9	8.4	12.1																									
		CARRIGANS																			0	1								
		STRABANE CONVENT															15	10												
1976	OCTOBER	BLAIRGOWRIE																										1.98		
		GLENTRESS	12.1		8.7								125				24	22										2.42		
		CUMNOCK																												
		GRANGEMOUTH BP REFINERY											128				23	20												
1976	OCTOBER	WORTHING											141				22	19												
		BRIGHTON	15.0																											
		GRIZEDALE											185	95			25	22												
		AIGBURTH																21												
		BOLTON											119		18	12	21	19												
		ABER	14.1	8.5	11.3		20.0	10,11	3.5	31		11.7	128		26	14	23	18	0	0	0	0	1	0	0	0		0	2.17		
		BWLCHGWYN																23												
		ORIELTON	13.7	8.0	10.9		16.8	2,10	3.2	26	12.3		267	245	44	14	26	25	0	0	0	0	1	1	0			3			
		TRAWSCOED	13.4	6.4	9.9		18.7	11	0.0	13	12.3		155	138	25	14	23	20	0	0	0	1	0	2	0	10		0	2.31	76	
		PORTHCAWL											178	184			29	24												
		USK				-0.8																							1.87	65	
		POOLE	14.6	8.3	11.5	-0.2	17.9	11	0.8	16	13.5	15.0	157	189	24	5	24	21	0	0	0	0	0	4	0	1		0	2.35	64	
		PORTLAND BILL (CG)											(143)				(24)	(20)												
		HARTLAND POINT	12.9		11.3	-0.7																								
		FALMOUTH	13.9	8.5	11.2	-1.1	17.5	1	3.2	16			160	167	16	5	25	23	0	0	0	0	0	0	0			2	3.42	102	
		PENZANCE	14.5		11.7	-0.9																								
		DERRYNOYD FOREST					15.8	8																						
		MALLUSK (HYDE PARK)													42	22														
	NOVEMBER	STORNOWAY		4.2																										
		GLENMORE LODGE	6.8	0.1	3.5		10.0	25	-4.3	17			67	64	24	27	17	12	4	3	0	0	0	0	19	26	23	0	1.76		S
		MANNOFIELD																											3.02	158	
		DALL	6.5	-0.1	3.2																				16					
		MYLNEFIELD																								25				
		CUPAR (ELMWOOD)	7.9	0.8	4.3		11.1	24	-5.1	14	5.3		53		18	26	13	9	0	0	0	1	0		12	24		0	2.24		S
		ST ANDREWS											(41)	(61)	(20)	26	(10)	(8)												
		ROTHESAY	9.1	4.9	7.0		11.0	8,26,27	1.0	13,23	7.3	8.8	160	120	26	15	23	21	2	0	1	0	0	0	0	13		0			
		CHOPWELLWOOD																						1						
		WIDDYBANK FELL	-	-	-		-	-	-	-	-		-	-	-	-	-	-			-			-	-	-			-		
		EAST BERGHOLT																								15				
		LUTON											85	122			19	14												
		STANSTEAD ABBOTTS									8.9						17	13												
		ILKLEY																						4						
		MORLEY	7.6	1.7	4.7		10.6	5	-3.0	14,22			42	60	8	6	11	8	0	0	0	0	0		7	13		0			
		COVENTRY AIRPORT											42					9												
		LETCOMBE REGIS		3.2	6.1																					(18)				
		SHIRBURN (MODEL FARM)																												
		AYLESBURY		2.4	5.7	-0.6																								
		MEDMENHAM	9.6	0.8	5.2																				14	23				
		GREENWICH											30	151	19	30														
		DUNGENESS											184	210																
		LONG SUTTON	9.1	3.3	6.2				-2.3	3			113	130				17							4					
		LITTLEHAMPTON		4.3	7.4	-0.4																								
		ROGATE							-	-																				
		RUSTINGTON											161																	
		NEWTON RIGG																			1									
		DALE FORT											(91)		(14)	17	(20)	(17)												
		WHITECHURCH	(9.8)	(3.8)	(6.8)		11.8	27	-1.6	12,13															2					
		SWANSEA		5.5	7.9	-0.5																								
		USK											84					14										1		
		BATH											79	92				11												
		HAWKRIDGE											(147)	(86)	27	30	(22)	(17)												
		PORTLAND BILL CG											(111)					15												
		TAVISTOCK													(20)		20	(16)												
		ALDERNEY											110									2	1							
1977	JANUARY	DALE FORT							(-5.0)																					

Averages for 1941-70 were brought into use on 1-1-1974. Additions or corrections for months prior to this date refer to the averages in use at the time.

(x) Urban rooftop site.

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THE METEOROLOGICAL OFFICE

MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

MET.0.908 UDC 551.506.1(41-4)

MARCH 1977

VOLUME 94 NUMBER 3

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Mostly mild, but cold in the last week, with some snow.

Pressure was low to the west of the British Isles until the 18th and a succession of fronts crossed all areas. A depression from the north-west then moved south-south-east across the United Kingdom to reach northern France on the 20th. High pressure developed between Iceland and Scandinavia from the 20th to the 23rd, while troughs of low pressure from the east mainly affected southern England. An occlusion from the Atlantic moved north-eastwards into western districts, but returned southwards on the 27th, followed by a cold front from the north. An anticyclone centred over Iceland then moved southwards to Biscay during the next few days and fronts from the west crossed all districts at the end of the month.

Weather

The weather was mostly mild until the 19th, with periods of rain and drizzle, some thunder and hail, and fairly frequent gales on exposed northern and western coasts. Hill and coastal fog developed at times, mainly during the first week. Colder conditions gradually reached all areas after the 19th and there were showers or outbreaks of rain in many districts. Hail, sleet and snow fell at times in the north and spread southwards on the 27th. Wintry showers occurred widely on the 28th. Milder weather, with rain or showers, reached most districts at the end of the month and there were further gales on exposed coasts.

Wind

Winds blew mainly from points between south-east and south-west until the 18th and were frequently fresh or strong on western and northern coasts during this period, reaching gale force in exposed places on a number of days. The gales were severe at times, and on the 15th the wind gusted to 97 kt at the high-level station at Snaefell (Isle of Man). Directions began to change on the 19th and were mainly between east and north from the 20th to the 28th. Winds were still fresh or strong in places, with occasional gales. Between the 29th and the 31st southerly or south-westerly winds gradually reached all districts and speeds increased to gale force in places. The gales were severe in exposed places on the 31st.

Temperature

Monthly mean temperatures were above average everywhere, the difference from normal ranging from about +0.5°C in some western parts to around +1.5°C in many other districts. Values were about 2.0 °C above the normal in some places along the coasts of south-east England and East Anglia. The month started with a cold night in Scotland and northern England, with temperatures falling to around -7 °C at a few places. Mild weather spread to all areas by the 2nd, however, and maximum temperatures for the month south of a line from the Wash to Cardigan Bay were widely recorded on this date, when temperatures exceeded 18 °C at many places in East Anglia and southern England: Exeter Airport, with a maximum of 20.2 °C, had its warmest March day since at least 1944. The mild conditions lasted until about the 19th, after which the weather became colder. Most districts had a cold spell from the 27th, but milder weather reached western and northern areas on the 30th and spread to most districts on the 31st.

Rainfall (including melted snow)

Although monthly rainfall totals were below average in parts of northern Scotland, in a few places in eastern Scotland and northern England, along the west coast of Wales, and in parts of North Wales, the north Midlands, Lincolnshire and East Anglia, rainfall was above average almost everywhere else. Values were between 150 and 200 per cent of the normal over high ground in Wales, on the North Yorkshire Moors and in parts of southern England, and more than twice the normal amount of rain fell at Cheltenham (Gloucestershire). In Scotland, where rainfall exceeded 150 per cent of average over large areas away from the east coast and northernmost parts, some places in the Western Isles and in the Grampians and Southern Uplands had more than twice their normal rainfall for March. On the 'rainfall day' of the 30th (the 24 hours from 09 GMT) falls exceeding 70 mm were recorded at several places in western Scotland and 94.0 mm fell at Fasnacloich (Strathclyde). Thunderstorms occurred mainly around mid-month and in the third week.

Snow

A little snow or sleet fell during the first week, mostly in northern areas, and also around mid-month in Wales and south-west England. Sleet was occasionally reported in Scotland from about the 22nd, but most areas had showers of snow or sleet from the 27th onwards, and sleet was reported as far south as Guernsey on the 28th. Snow depths were minimal in southern areas throughout the month, but undrifted depths of about 8 cm were recorded in Scotland during the last few days. Snow lay throughout the month on the slopes of the higher Scottish mountains and in places in the northern Pennines.

Sunshine

Except in a few places on the coasts of south-east England and East Anglia, in the Isles of Scilly, and in one or two isolated spots elsewhere, monthly sunshine totals were below average in all areas. Values were broadly between 75 and 100 per cent of the normal over most of eastern England, much of eastern and parts of central and northern Scotland, and also in Northern Ireland, Cornwall and in most of the islands to the north and west of Great Britain. Totals were between 55 and 75 per cent of average in remaining areas, and at Eskdalemuir (Dumfries and Galloway Region) and at Llety-Evan-Hen (Dyfed), both with only 56 per cent of their normal sunshine for the month, it was the dullest March since 1936 and 1947 respectively. Long sunny periods occasionally occurred, however, particularly in coastal districts.

Fog

Widespread fog developed on coasts and hills at times during the first week, and sea and coastal fog affected parts of eastern Scotland and north-east England on the 19th and 20th. Overnight fog patches occurred in inland areas from time to time during the month, mostly in the first and fourth weeks. The fog was occasionally dense, but generally cleared fairly quickly.

Miscellaneous Phenomena

In Scotland the aurora was observed on 6 nights.

Table 1 District values

District	air temperature °C					mean 30-cm earth temp °C	rain-days	rainfall	sunshine
	Highest Max.*	Lowest Min.*	max.	min.	mean				
			difference from average					% of average	
0 Scotland N	16.3	-5.6	+0.6	+0.9	+0.8	+0.5	+3	135	81
1 Scotland E	16.0	-7.3	+0.7	+1.4	+1.0	+0.8	+7	146	78
2 England E & NE	16.5	-4.1	+1.1	+1.4	+1.3	+1.3	+4	125	88
3 East Anglia	17.7	-5.1	+1.2	+1.9	+1.6	+1.5	+5	110	91
4 Midland Counties	17.5	-4.9	+0.7	+1.7	+1.2	+1.1	+6	120	75
5 England SE & Central S	18.9	-4.2	+0.9	+1.9	+1.4	+1.6	+6	152	91
6 Scotland W	13.4	-7.3	+0.5	+1.2	+0.9	+0.5	+7	149	68
7 England NW & Wales N	17.2	-3.8	+0.6	+1.6	+1.1	+0.8	+5	121	69
8 England SW & Wales S	18.1	-2.7	+0.7	+1.6	+1.1	+1.3	+7	140	74
N Ireland	14.4	-3.6	+0.4	+1.3	+0.8	+0.7	+4	129	83
Scotland	16.3	-7.3	+0.6	+1.2	+0.9	+0.6	+6	143	76
England & Wales	18.9	-5.1	+0.9	+1.7	+1.3	+1.2	+5	128	81

*Highest maximum and lowest minimum of District Value Stations.

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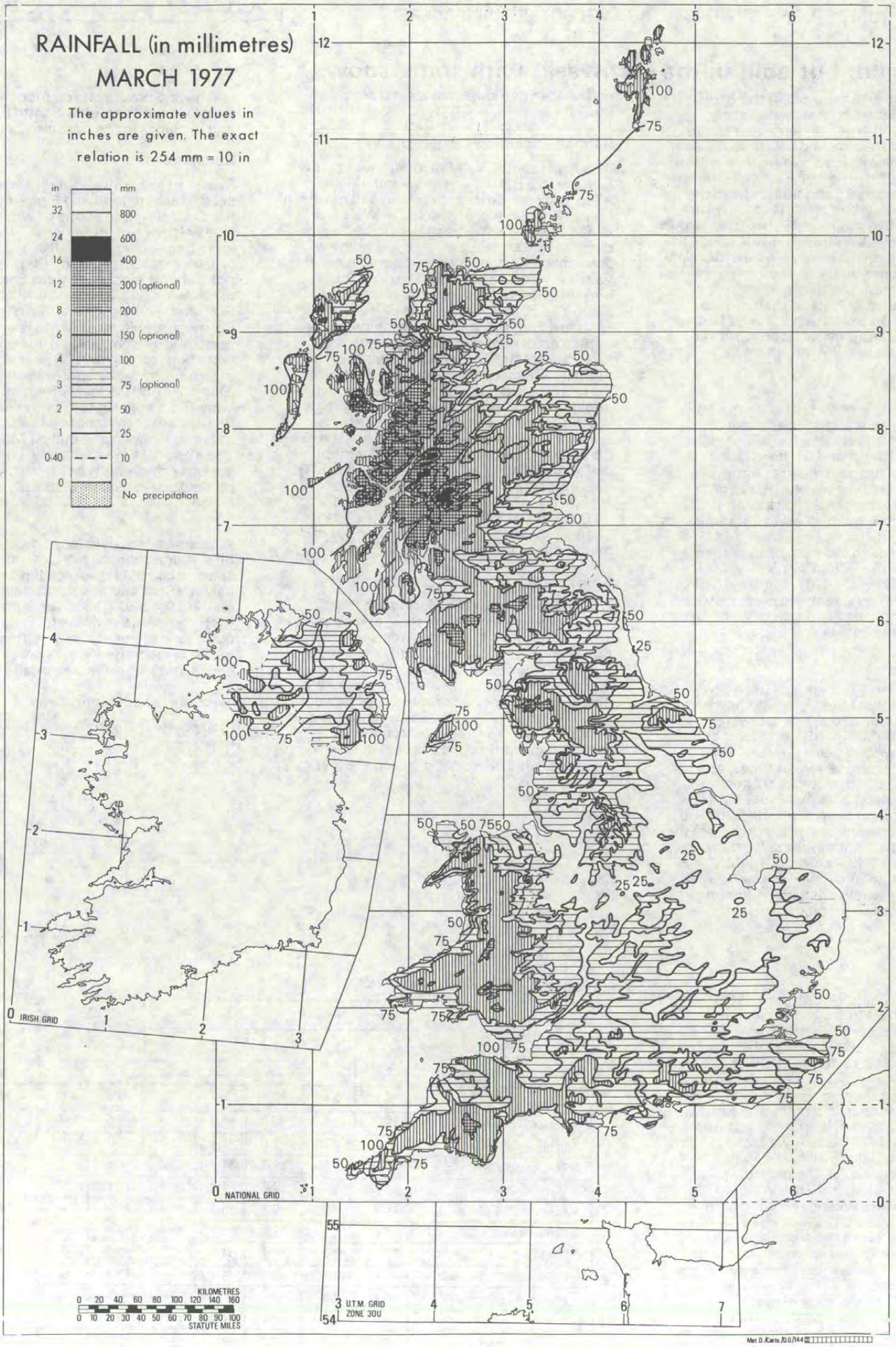
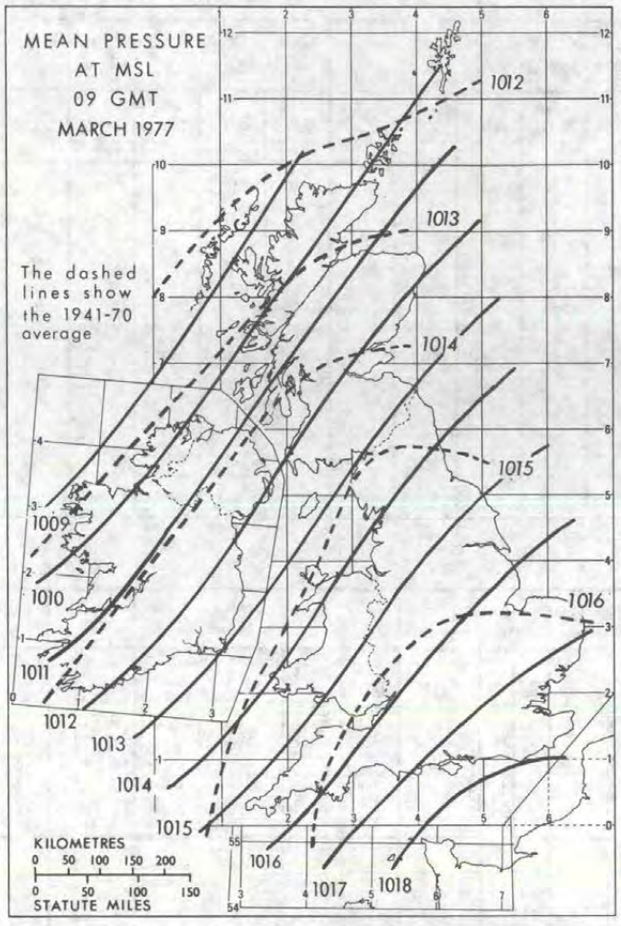
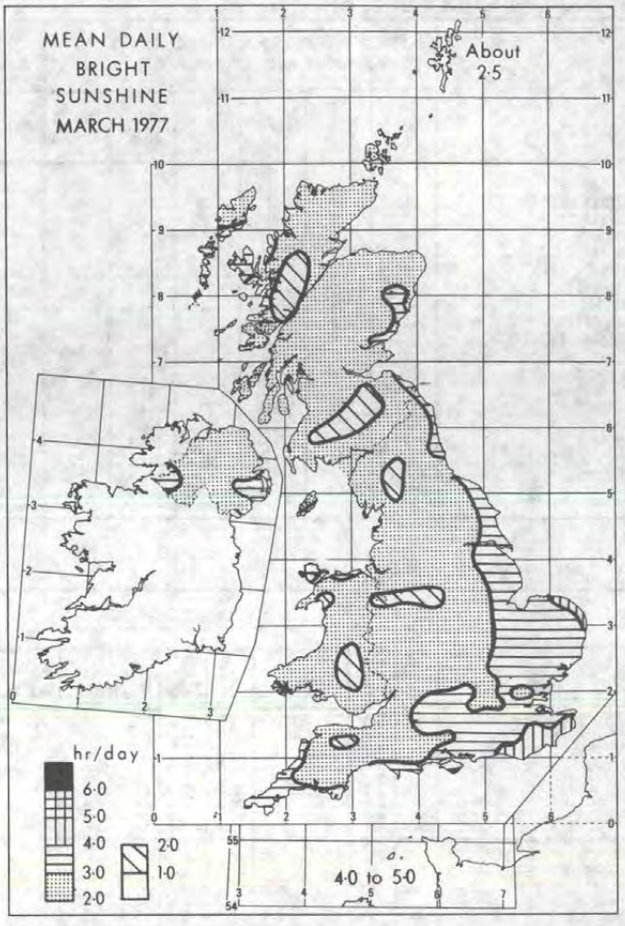
Additional to Monthly Parts, each Annual Volume of the Weather Report includes an explanatory Introduction and a Summary for the Year.

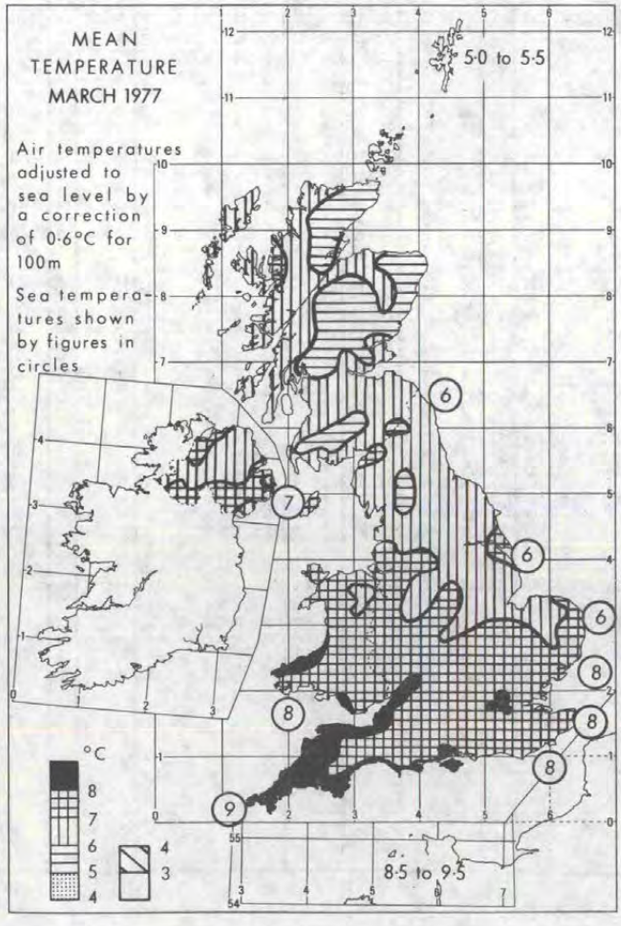
RAINFALL (in millimetres) MARCH 1977

The approximate values in inches are given. The exact relation is 254 mm = 10 in




MEAN PRESSURE
AT MSL
09 GMT
MARCH 1977
The dashed lines show the 1941-70 average
1012
1013
1014
1015
1016
1009
1010
1011
1017
1018
KILOMETRES
0 50 100 150 200
0 50 100 150
STATUTE MILES


MEAN DAILY
BRIGHT
SUNSHINE
MARCH 1977
About 2·5
hr/day
6·0
5·0
4·0
3·0
2·0
2·0
1·0
4·0 to 5·0


MEAN
TEMPERATURE
MARCH 1977
5·0 to 5·5
Air temperatures adjusted to sea level by a correction of 0·6°C for 100m
Sea temperatures shown by figures in circles
6
7
6
6
8
8
8
8
9
°C
8
7
6
5
4
4
3
8·5 to 9·5

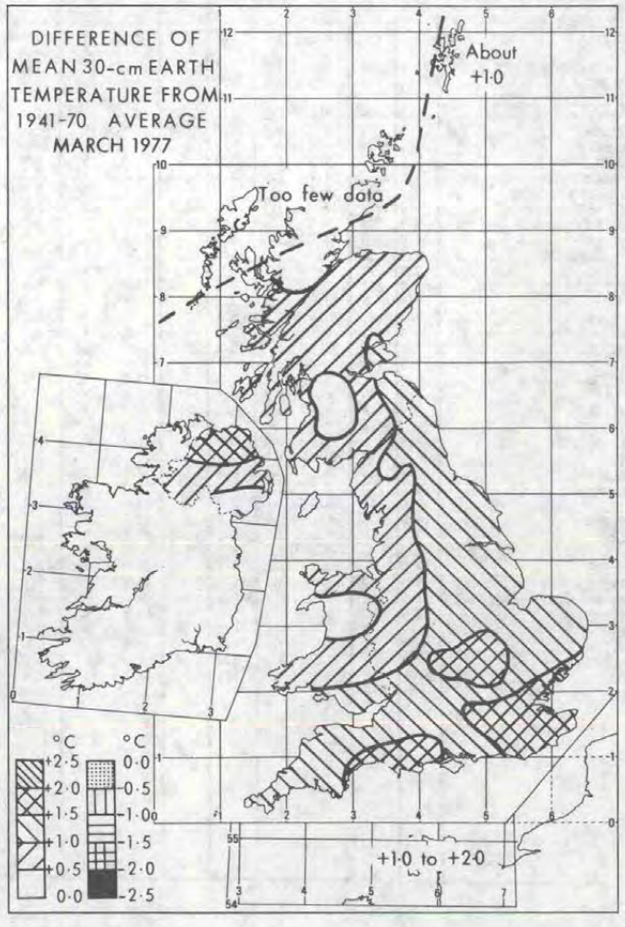

DIFFERENCE OF
MEAN 30-cm EARTH
TEMPERATURE FROM
1941-70 AVERAGE
MARCH 1977
About +1·0
Too few data
°C
+2·5
+2·0
+1·5
+1·0
+0·5
0·0
°C
0·0
0·5
1·0
1·5
2·0
2·5
+1·0 to +2·0

TABLE 2 SOLAR RADIATION AND ILLUMINATION

MARCH 1977

STATION	GLOBAL RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						DIFFUSE RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						GLOBAL ILLUMINATION ON A HORIZONTAL SURFACE (KILOLUX-HOURS)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	361	28	16	14	187.5	25	220	29	16	14	119.6	25	408	28	27	14	219.9	25
ABERDEEN UNIVERSITY	368	27	55	2	178.6	31												
ESKDALEMUIR	430	28	31	2	157.0	31	213	25	31	2	110.3	31	476	27	41	2	173.6	31
ABERPORTH	485	28	74	1	218.7	26	227	23	73	1	150.6	26						
CARDINGTON																		
SILSOE	363	11.29	44	21	217.7	31	243	25	44	21	144.0	31						
ROTHAMSTED	408	29	46	21	203.5	31												
GARSTON	405	28	56	21	199.7	31												
WALLINGFORD	407	30	57	27	204.5	31												
LONDON WEATHER CENTRE																		
KEW	401	28	52	21	215.3	30	246	30	52	21	141.5	30	464	28	68	21	262.1	30
EASTHAMPSTEAD																		
EAST MALLING	459	30	22	22	209.5	31												
RUSTINGTON	485	29	59	22	259.9	31												
EVERTON	382	28	71	1	224.5	31												
WAREHAM	429	28	87	1	240.4	31												
JERSEY AIRPORT	550	29	67	31	283.1	31	239	25	67	31	153.7	31	670	29	104	31	384.0	31
ALDERGROVE																		

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MARCH 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY		PRECIPITATION	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE	0.2 MM OR MORE / 1.0 MM OR MORE												
0 SCOTLAND N																													
SHETLAND																													
BALTASOUND	9 9	24	7.2	2.5	4.9	+0.7	9.8	13	-3.9	27	4.7	-	122	135	22	2	23 / 19	4	3	0	0	0	0	6	-	-	6	2.30	89	-
FAIR ISLE	9 9	57	6.6	4.0	5.3	-	9.4	9	-2.7	27	5.0	5.2	72	-	15	30	20 / 10	5	1	2	3	0	1	1	10	-	15	3.03	-	-
LERWICK	21-9	82																											
PSYCHROMETER			6.5	3.0	4.7	-	9.3	9	-3.1	27	-	-	115	-	19	30	19 / 15	5	2	2	3	0	1	5	8	8	4	2.37	85	-
SCREEN			6.6	3.1	4.9	+1.1	9.6	9	-3.5	27	-	-	-	-	-	-	- / -	-	-	-	-	-	-	-	-	-	-	-	-	-
ORKNEY																													
KIRKWALL AIRPORT	21-9	26	7.5	3.0	5.3	+0.6	10.3	12	-2.6	1	-	-	82	111	14	30	22 / 19	6	0	1	5	0	0	3	7	7	3	2.48	78	-
WEYLAND	9 9	24	7.5	3.5	5.5	-	9.8	16	-1.6	1.27	4.9	-	89	-	15	24	23 / 16	3	0	1	1	0	0	3	9	-	4	-	-	-
WESTERN ISLES																													
BENBECULA	21-9	6	8.6	4.2	6.4	+0.5	10.9	9.19	-1.4	28	-	-	112	-	30	30	22 / 20	2	0	0	3	0	0	3	8	8	6	3.31	90	-
STORNOWAY	21-9	3	8.4	4.0	6.2	+0.6	11.9	18	-1.7	27	-	-	78	-	12	30	25 / 18	2	0	0	3	0	0	2	5	5	6	2.85	82	-
HIGHLAND																													
ACHANY	9 9	107	8.5	1.5	5.0	-	13.9	9	-5.7	1	4.0	-	53	-	7	14	21 / 16	4	2	0	0	0	0	6	17	-	4	2.23	-	-
ACHNASHELLACH	9 9	67	9.9	2.8	6.3	+1.3	16.3	7	-2.7	1	-	-	198	124	34	2	24 / 18	3	0	2	0	0	0	6	-	-	0	-	-	-
BALMACARA	9 9	4	9.8	4.3	7.1	-	13.8	7	-2.2	28	-	-	159	149	24	30	22 / 17	0	0	0	0	0	1	4	-	-	4	-	-	-
CAPE WRATH	21-9	112	7.8	3.3	5.5	+0.4	14.4	7	-2.5	27	-	-	87	112	17	2	22 / 18	4	0	1	1	0	1	4	3	3	2	2.25	-	-
CASSLEY	9 9	99	8.7	1.5	5.1	-	14.0	9	-5.0	1	-	-	110	-	29	2	26 / 21	-	-	-	-	-	-	7	15	-	-	-	-	-
CORPACH	9 9	8	9.6	3.1	6.3	-	13.8	7	-2.0	28.29	-	-	216	-	31	2	23 / 22	1	0	0	0	0	0	5	9	-	0	-	-	-
CRAIGDARROCH	9 9	38	9.8	1.2	5.5	-	14.6	7	-5.3	1	-	-	50	-	9	2	18 / 13	3	1	1	0	0	0	11	17	-	0	-	-	-
DALCROSS	9 9	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- / -	-	-	-	-	-	-	-	-	-	-	-	-	-
DALWHINNIE	9 9	351	6.5	0.2	3.3	-	10.2	7	-5.0	28	-	-	167	-	25	15	23 / 20	6	2	0	0	0	3	12	12	-	7	2.29	-	S
DIABAIG	9 9	46	10.1	4.0	7.1	-	16.6	7	-2.7	28	-	-	95	-	14	30	24 / 16	2	-	0	2	0	-	2	-	-	1	-	-	S
DOUNREAY	9 9	21	9.1	2.7	5.9	-	14.5	9	-3.0	1	-	-	64	103	(10)	24	22 / 15	1	0	0	0	0	2	3	8	-	2	2.77	-	-
FORT AUGUSTUS	9 9	21	9.2	2.7	5.9	+0.8	14.9	7	-4.5	1	-	-	97	-	17	31	21 / 18	2	0	0	0	1	0	7	-	-	2	2.08	72	-
FORTROSE	9 9	5	8.5	3.8	6.1	+0.8	12.5	7.9	-1.0	28	-	-	37	101	4	19	19 / 14	-	0	-	-	-	0	2	-	-	-	2.88	86	-
GLENMORE LODGE	9 9	341	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- / -	-	-	-	-	-	-	-	-	-	-	-	-	-
GRANTOWN-ON-SPEY	9 9	229	8.4	0.7	4.5	-	13.8	9	-6.3	1	-	-	39	-	6	9	21 / 14	6	2	0	2	0	0	11	18	-	0	2.67	-	-
HEASTE	9 9	109	8.9	3.2	6.1	-	12.6	7	-2.3	29	-	-	179	-	34	30	24 / 20	4	0	0	2	0	0	2	7	-	4	-	-	-
INVERNESS	9 9	4	9.8	3.1	6.5	-	14.4	7	-2.5	1	-	-	45	123	7	15	18 / 13	0	0	0	0	0	0	5	11	-	0	2.94	-	-
INVERPOLLY	9 9	14	-	-	-	-	-	-	-	-	-	-	59	-	11	2	19 / 15	-	-	-	-	-	-	-	-	-	-	-	-	-
ISLE OF RHUM	9 9	5	9.3	4.0	6.7	-	11.8	2	-1.7	28	6.0	6.1	291	182	89	30	25 / 21	3	0	0	4	0	0	3	9	-	4	-	-	-
KEISS	9 9	30	8.0	2.9	5.5	-	10.7	3	-3.2	1	4.7	4.8	50	-	7	24	19 / 14	5	0	1	1	0	0	3	11	-	2	2.85	-	-
KNOCKANROCK	9 9	244	7.8	2.0	4.9	-	12.9	7	-4.2	27	-	-	87	58	20	2	22 / 17	3	2	0	2	0	0	4	17	-	3	-	-	-
LAGGANLIA	9 9	250	7.9	0.9	4.4	-	14.0	7	-7.0	1	-	-	63	-	9	15	23 / 16	8	3	0	1	1	0	9	16	-	5	-	-	-
LAIRG	9 9	107	8.8	1.1	4.9	-	13.9	7	-6.9	1	3.9	4.2	64	-	12	2	21 / 15	6	2	3	0	0	0	9	14	-	0	-	-	-
LENTRAN	9 9	146	8.5	1.6	5.1	-	13.3	7	-4.5	1	-	-	61	-	15	19	19 / 14	5	2	0	1	0	0	8	17	-	9	-	-	-
NAIRN	9 9	6	9.4	2.7	6.1	+0.9	15.8	9	-4.3	1	-	-	22	67	4	14	18 / 7	5	0	1	1	0	0	3	12	-	1	2.93	81	-
ONICH	9 9	15	9.7	2.7	6.2	+0.7	12.5	9	-4.0	1.29	-	-	223	157	(35)	2	22 / 21	-	0	-	-	-	3	6	-	-	-	2.04	68	S
POOLEWE	9 9	6	10.2	3.6	6.9	-	15.8	7	-2.5	27	-	-	90	-	14	3	25 / 19	2	1	0	2	0	0	3	7	-	6	3.17	-	-
PRABOST	9 9	67	9.0	3.1	6.1	-	12.9	7	-1.7	28	-	-	123	99	16	30	25 / 21	2	2	0	4	0	0	3	10	-	10	3.17	-	-
RUBH RE	21-9	16	8.5	4.7	6.6	-	14.7	7	-0.8	27	-	-	66	-	13	2	22 / 15	2	0	1	0	0	0	1	3	3	7	-	-	-
STRATHCONON	9 9	107	9.1	1.7	5.4	-	13.8	7	-5.5	1	-	-	98	-	15	2	24 / 15	4	0	0	0	0	-	5	18	-	0	-	-	-
TARBATNESS	21-9	18	8.4	4.3	6.3	+1.2	12.0	9	-0.9	27	-	-	23	-	10	14	13 / 5	3	0	0	0	0	0	1	-	-	0	-	-	-
TOMATIN	9 9	311	7.2	0.9	4.1	-	11.5	7.9	-4.5	1	-	-	54	-	8	20	25 / 15	5	-	0	5	0	0	9	-	-	0	-	-	-
TORRISDALE	9 9	27	9.0	2.7	5.9	-	14.4	9	-5.0	1	-	-	55	-	9	24	21 / 16	2	1	0	1	0	0	4	10	-	5	2.68	-	-
WICK	21-9	36	7.7	3.3	5.5	+0.8	11.2	3	-5.6	1	-	-	46	87	8	30	18 / 12	4	0	0	1	0	0	3	10	7	3	2.85	81	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — MARCH 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
1 SCOTLAND E																															
GRAMPIAN																															
ABERDEEN																															
DYCE AIRPORT	21-9	58	8.3	2.3	5.3	+0.8	13.6	3	-3.4	1	-	-	52	104	9	13	23	14	6	2	0	3	0	1	7	13	10	2	2.91	85	-
MANNOFIELD	9 9	16	7.9	2.8	5.3	+0.8	12.6	3	-1.6	27	-	-	55	112	9	13	23	16	2	2	0	1	0	1	4	14	-	0	2.89	83	-
BALMORAL	9 9	283	7.4	1.0	4.2	+1.3	12.7	9	-4.9	1	-	-	105	215	17	15	24	18	4	3	0	0	0	-	9	16	-	0	-	-	-
BANCHORY	8 8	77	8.5	2.2	5.3	-	12.5	3	-3.0	1	-	-	86	-	15	15	22	17	7	2	0	2	0	0	8	15	10	4	3.08	-	-
BANFF	9 9	24	8.3	3.3	5.8	-	12.2	31	-1.6	1	-	-	40	91	6	14	19	11	2	0	0	2	0	0	4	-	-	3	2.35	-	-
BRAEMAR	9 9	339	6.8	1.0	3.9	+1.2	12.2	7	-5.2	1	-	-	118	227	21	30	26	19	-	4	-	-	-	0	7	27	-	-	2.00	67	-
CLASHNOIR	9 9	338	6.8	0.5	3.7	-	13.6	9	-6.0	1	2.2	-	54	-	8	15	23	14	7	4	0	2	0	1	10	16	-	6	2.42	-	-
CRAIBSTONE	9 9	91	7.8	1.8	4.8	+0.4	12.2	3	-2.7	1	4.2	4.2	46	91	6	23.26	23	13	2	2	0	0	0	2	6	17	-	2	3.09	88	-
CULTERTY	9 9	3	7.9	2.5	5.2	-	12.2	3	-2.1	1	-	-	48	116	10	14	22	12	2	-	0	0	0	1	6	13	-	1	-	-	-
ELGIN	9 9	15	9.6	3.0	6.3	-	16.0	9	-3.5	1	-	-	27	66	5	24	18	8	-	-	-	-	-	0	4	3	-	-	2.96	-	-
FOREHILL	9 9	40	7.7	2.7	5.2	-	13.6	3	-1.6	27	-	-	55	-	14	14	18	13	-	-	-	-	-	-	4	6	-	-	-	-	-
FORRES	9 9	5	9.8	3.0	6.4	+1.3	15.8	9	-2.5	1	4.5	4.7	28	-	6	14.19	16	8	4	0	0	1	0	0	4	15	-	0	2.61	73	-
FRASERBURGH	21-9	19	7.9	3.4	5.7	-	11.0	16	-1.5	27	-	-	63	149	12	30	17	15	3	0	0	0	0	0	3	12	-	1	2.37	-	-
FYVIE CASTLE	9 9	55	8.2	1.6	4.9	-	11.5	9	-5.0	1	-	-	73	130	11	13	25	17	3	-	0	0	0	-	11	14	-	5	-	-	S
GARTLY	9 9	146	8.2	2.0	5.1	-	12.2	7	-3.9	1	-	-	56	-	10	13	21	14	-	-	-	-	-	-	6	15	-	-	-	-	-
GLENLIVET	21-9	215	8.1	1.9	5.0	-	13.3	9	-7.1	1	-	-	57	108	8	20	24	15	8	2	1	0	0	0	7	14	13	0	2.72	-	-
INVERURIE	9 9	54	8.4	1.8	5.1	-	12.0	3	-3.8	1	-	-	54	-	11	13	21	11	3	2	0	0	0	1	7	14	-	0	2.78	-	-
KEITH	9 9	106	8.7	1.9	5.3	-	14.5	9	-5.4	1	-	-	54	-	8	14	19	13	3	-	0	1	0	-	6	17	-	2	2.44	-	-
KINLOSS	21-9	5	9.4	3.1	6.3	+1.2	15.6	9	-4.0	1	4.9	-	27	80	8	14	19	6	4	0	0	5	0	0	4	13	10	2	2.81	-	-
LOSSIEMOUTH	21-9	6	9.5	3.0	6.3	-	15.2	9	-4.5	1	-	-	29	81	6	14	20	8	5	0	0	2	0	0	2	14	13	1	-	-	-
TAYSIDE																															
ARBROATH	9 9	28	8.0	3.0	5.5	-	10.6	16	-1.0	28	-	-	50	128	7	13	19	13	2	0	0	0	0	0	2	6	-	2	3.39	91	-
ARDTALNAIG	9 9	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DRUMMOND CASTLE	9 9	113	8.5	2.0	5.3	-	11.4	31	-2.5	1	4.3	-	138	-	25	30	24	22	0	0	0	0	1	-	6	16	-	0	2.75	-	-
DUNDEE	9 9	45	9.2	3.2	6.2	+1.2	11.6	15	-0.9	1	5.2	-	60	132	13	30	18	14	1	0	0	0	1	1	2	3	13	-	1	2.96	90	-
FASKALLY	9 9	94	8.6	1.4	5.0	-	12.7	31	-4.0	1	4.1	4.4	112	229	22	15	26	18	2	0	0	1	0	0	10	14	-	0	-	-	-
KINDROGAN	9 9	259	7.4	0.4	3.9	-	10.5	7	-6.5	1	-	-	123	-	25	15	26	19	10	6	0	2	0	0	11	18	-	0	-	-	-
KINROSS	9 9	116	8.5	0.8	4.7	-	12.7	9	-4.2	1	4.8	-	76	-	15	30	24	19	-	0	-	-	-	-	11	9	-	-	2.46	-	-
MONTROSE	9 9	57	8.1	2.4	5.3	-	12.0	5	-1.5	13	-	-	54	124	13	13	18	15	3	1	1	0	0	1	5	11	-	0	-	-	-
MYLNEFIELD	9 9	30	8.8	3.0	5.9	-	12.6	9	-1.1	1	5.1	5.0	56	128	10	30	21	14	0	0	0	0	0	1	2	15	-	0	3.07	-	-
PERTH	9 9	23	9.1	2.8	5.9	+0.9	12.9	9	(-2.5)	1	-	-	49	106	7	2	19	15	-	0	-	-	-	2	4	18	-	-	2.68	84	-
STRATHALLAN	9 9	41	9.4	2.9	6.1	-	13.3	9	-2.3	1	-	-	66	-	17	30	21	17	1	0	0	2	0	1	3	14	-	2	-	-	-
USAN	21-9	30	7.9	3.1	5.5	-	11.4	3,5	-1.5	28	-	-	52	-	9	13	18	13	2	1	0	0	0	1	4	7	6	3	3.33	-	-
WHITEHILLOCKS	9 9	258	7.6	1.4	4.5	-	11.6	7	-5.7	1	-	-	188	247	29	15	25	17	7	4	0	0	0	1	7	12	-	0	-	-	S
FIFE																															
BELLISTON	9 9	82	8.2	3.2	5.7	-	12.7	9	-0.7	28	5.0	-	66	137	16	30	21	13	2	0	0	1	0	2	3	12	-	2	-	-	-
CUPAR	9 9	36	8.9	2.8	5.9	-	13.2	9	-1.3	13	5.0	-	61	-	14	30	19	17	0	0	0	1	0	-	4	12	-	0	2.77	-	S
GLENROTHES	9 9	117	8.3	2.5	5.4	-	12.7	9	-1.8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	2.63	-	-
LEUCHARS	21-9	10	9.0	2.9	5.9	+0.8	13.0	9	-2.0	1.13	-	-	59	147	13	30	19	14	3	0	0	0	0	1	4	12	-	3	3.09	84	-
PITREAVIE	21-9	40	9.3	3.3	6.3	-	14.1	9	-1.1	1	-	-	46	106	6	2	23	16	3	0	1	0	0	2	3	12	11	2	-	-	-
ST ANDREWS	9 9	18	9.0	3.3	6.1	-	13.5	9	-0.8	1.28	5.3	5.3	69	160	16	30	17	12	1	0	0	1	0	1	4	14	-	0	2.91	-	-
LOTHIAN																															
BLACKBURN SEWAGE WORKS	9 9	131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BUSH HOUSE	9 9	184	8.0	2.2	5.1	-	13.4	7	-5.0	1	4.3	4.1	83	163	10	21	24	16	3	1	0	0	0	0	4	10	-	0	2.08	-	-
DUNBAR	9 9	23	9.4	3.7	6.5	+1.1	16.0	9	-1.2	29	-	-	29	89	6	23	17	8	1	0	0	1	0	0	1	9	-	3	3.04	81	-
EDINBURGH																															
EAST CRAIGS	9 9	61	9.3	3.0	6.1	-	14.7	9	-1.8	29	5.2	-	49	-	8	31	17	14	0	0	0	2	0	1	3	10	-	2	2.85	-	-
ROYAL BOTANIC GARDEN	9 9	26	9.8	3.5	6.7	+1.4	15.4	9	-1.7	29	5.3	-	46	124	6	23	21	14	0	0	0	0	0	0	3	12	-	0	2.71	85	-
ROYAL OBSERVATORY BLACKFORD HILL	9 9	134	9.0	2.9	5.9	+0.8	15.0	2	-1.6	28	-	-	61	169	8	17	22	15	3	0	0	0	0	0	2	6	-	6	2.51	72	-
TURNHOUSE AIRPORT	21-9	35	9.5	3.3	6.4	+1.3	15.2	9	-2.4	29	-	-	56	143	11	31	23	14	5	0	2	1	0	1	5	17	11	1	2.66	84	-
HADDINGTON	9 9	49	9.6	3.2	6.4	-	15.7	9	-2.0	29	-	-	39	114	7	21	17	11	2	0	0	2	0	0	2	7	-	0	-	-	S
LIVINGSTON	9 9	125	8.5	2.1	5.3	-	13.9	9	-2.5	28	-	-	78	-	14	31	22	19	2	0	0	0	0	1	6	11	-	1	-	-	-
NUNRAW ABBEY	9 9	195	8.1	2.6	5.3	-	14.6	9	-1.9	28	-	-	79	-	24	21	20	12	5	2	0	1	0	0	4	4	-	4	-	-	-
PATHHEAD	9 9	131	8.6	3.0	5.8	-	14.3	9	-1.0	28,29	4.8	-	53	-	9	21	21	14	0	0	0	0	0	3	7	7	-	0	-	-	-
PENICUIK	9 9	189	8.3	1.9	5.1	+1.0	13.3	7	-4.6	1	4.4	-	87	167	9	26	24	19	4	1	0	0	0	0	7	13	-	2	1.83	57	-
BORDERS																															
BLYTH BRIDGE	9 9	253	7.6	1.8	4.7	-	12.7	7	-3.0	28	-	-	83	155	16	17	23	20	5	1	1	0	0	0	5	15	-	8	1.76	-	-
BLYTHE	9 9	262	7.4	1.5	4.5	-	13.4	9	-5.1	29	-	-	69	142	9	15	24	19	-	1	-	-	-	1	7	19	-	-	2.35	-	-
BONCHESTER BRIDGE	9 9	146	8.6	2.5	5.5	-	15.0	9	-4.1	29	-	-	84	-	13	15	22	21	2	0	0	0	0	0	5	-	-	0	-	-	-
BOWHILL (SELKIRK)	9 9	168	8.5	1.8	5.1	-	15.0	9	-3.2	29	-	-	97	210	15	15	23	19	2	1	1	3	0	0	8	-	-	2	-	-	-
FLOORS CASTLE	9 9	59	9.2	2.4	5.8	-	17.2	9	-2.2	30	-	-	40	106	5	23	19	17	2	0	0	0	0	0	7	-	-	2	-	-	-
GALASHIELS	9 9	198	7.9	1.9	4.9	-	13.9	9	-2.4	29	-	-	74	-	11	15	22	19	2	1	0	0	0	0	6	10	-	0	1.96	-	S
GLENTRESS	9 9	165	8.4	2.0	5.2	-	13.0	9	-4.0	29	-	-	94	184	13	15	21	20	-	0	-	-	-	0	5	-	-	-	-	-	-
GREYCROOK	9 9	76	9.0	1.9	5.5	-	16.0	9	-3.4	30	5.0	-	48	-	7	23	22	16	1	1	0	0	0	-	7	14	-	0	-	-	-
KELSO	9 9	34	9.8	2.9	6.3	-	17.0	9	-2.9	30	-	-	32	-	5	26	19	12	2	1	0	2	0	1	7	10	-	0	-	-	-
LEITHOLM	9 9	64	9.3	2.3	5.8	-	17.0	9	-2.5	30	5.2	-	36	-	5	26	21	10	2	1	0	2	0	0	7	12	-	1	2.72	-	-
ST ABBS HEAD	9 9	75	8.5	3.0	5.7	+0.8	14.6	9	-0.5	1.28,30	-	-	-	-	-	-	-	-	0	0	0	1	0	0	3	6	5	12	-	-	-
STANHOPE FARM	9 9	226	7.8	1.8	4.8	-	15.0	7	-5.6	29	-	-	143	210	26	17	24	21	3	1	1	3	0	0	6	13	-	6	-	-	-
WEST LINTON	9 9	244	7.9	1.5	4.7	+1.0	12.7	7	-5.4	29	3.8	3.7	79	139	10	17	22	19	1	0	0	0	0	0	6	8	-	0	-	-	-
WHITCHESTER	9 9	255	7.5	1.6	4.5	-	14.1	9	-3.0	1	-	-	73	134	15	21	23	16	8	2	0	3	0	-	6	-	-	11	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MARCH 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL H(GMT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
6 SCOTLAND W																																
STRATHCLYDE																																
ACHAGLACHGACH	9 9	12	9.5	3.0	6.3	-	12.2	31	-4.3	29	-	-	144	137	31	30	23	15	-	-	-	-	-	-	15	-	-	-	-	-
AROS	9 9	37	10.0	3.5	6.7	-	13.5	18	-3.8	29	-	-	213	-	36	30	22	19	1	0	0	0	0	0	4	7	-	0	-	-	-
AUCHINCRUIVE	9 9	45	9.4	3.7	6.5	+1.0	13.4	31	-3.0	29	5.5	5.7	85	166	16	30	21	17	0	0	0	0	0	0	3	10	-	0	2.26	66	-
BARRHEAD	9 9	30	9.1	2.9	6.0	-	12.5	2	-3.2	29	-	-	125	172	30	30	25	21	3	0	0	3	0	1	6	13	-	0	-	-	-
BENMORE(YOUNGER BOTANIC GARDEN) ...	9 9	12	8.8	3.0	5.9	-	11.0	2,16,20	-2.8	29	-	-	212	137	63	30	26	21	1	1	0	1	1	3	6	14	-	0	-	-	-
BRODICK CASTLE	9 9	15	9.3	4.0	6.7	-	11.4	16	-1.5	29	6.5	-	205	179	73	30	26	21	0	0	0	0	0	1	2	8	-	1	-	-	-
CAMPS RESERVOIR ...	9 9	295	6.8	1.2	4.0	-	11.1	7	-6.0	29	-	-	150	203	25	17	27	21	5	2	0	2	0	0	9	-	-	6	1.61	-	-
CARNWATH	9 9	208	7.9	1.4	4.7	-	12.7	31	-5.2	29	4.4	-	73	151	12	17	24	18	4	1	2	3	0	0	7	13	10	11	-	-	-
COLONSAY	9 9	35	9.4	3.6	6.5	-	12.0	2,7	-1.0	28	-	-	87	-	22	30	22	16	1	0	0	1	0	0	1	-	-	6	-	-	-
CRAWFORDJOHN	9 9	274	7.5	1.4	4.5	-	13.5	7	-5.5	28	4.4	-	-	-	-	-	-	-	3	1	0	1	0	0	7	14	12	5	2.12	-	-
CUMNOCK	9 9	99	9.2	3.1	6.1	-	13.0	2,31	-4.1	29	-	-	109	-	16	30	22	17	1	0	0	0	0	0	3	7	-	2	2.28	-	-
DUNSTAFFNAGE	9 9	3	9.2	3.5	6.3	-	11.2	7	-3.8	29	-	-	171	-	39	30	23	18	0	0	0	0	0	0	4	8	-	11	-	-	-
EAST KILBRIDE	9 9	178	8.1	2.7	5.4	-	11.6	2,31	-2.8	29	-	-	123	-	24	30	25	19	1	0	0	1	0	-	4	10	-	0	2.66	-	-
FINNART	9 9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GIRVAN	9 9	8	9.5	3.1	6.3	-	13.4	31	-2.5	29	-	-	114	191	25	30	21	18	0	0	0	0	0	0	2	5	-	7	2.69	-	-
GLASGOW ABBOTSINCH AIRPORT ...	21-9	5	9.4	3.5	6.5	+1.0	12.9	31	-4.6	29	-	-	107	-	24	30	25	20	3	0	0	4	0	2	4	12	11	0	2.50	82	-
SPRINGBURN PARK ...	9 9	107	8.4	3.0	5.7	+0.8	11.9	31	-1.6	28	-	-	90	143	13	18	26	19	2	0	0	1	0	1	3	13	-	0	2.22	80	-
WEATHER CENTRE (X)	21-9	40	9.2	4.7	6.9	-	12.6	31	-0.4	29	-	-	85	-	13	30	24	18	3	-	0	1	0	1	1	-	-	0	2.32	-	-
GREENOCK	9 9	61	-	-	-	-	-	-	-	-	-	-	195	191	53	30	24	21	-	-	-	-	-	-	-	-	-	-	2.21	74	-
HELENSBURGH	9 9	89	7.9	2.5	5.2	+0.4	11.5	31	-3.2	1	-	-	139	144	27	30	24	21	-	1	-	-	-	2	5	-	-	-	2.08	-	-
HUNTERSTON	9 9	8	8.9	4.3	6.6	-	10.6	2,7,20	-1.2	29	-	-	99	-	26	30	20	18	1	0	0	0	0	0	1	-	-	7	-	-	-
KILDONAN	9 9	18	8.4	3.9	6.1	-	10.2	25	-1.8	29	-	-	117	-	38	30	26	20	1	-	0	0	0	3	2	4	4	4	2.57	-	-
KNAPDALE FOREST ...	9 9	12	9.2	2.5	5.9	-	12.2	31	-5.9	29	-	-	155	-	26	30	21	18	0	0	0	0	0	0	5	11	-	3	-	-	-
LANARK	9 9	152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEADHILLS	9 9	388	6.5	0.9	3.7	-	11.5	7	-6.4	29	-	-	233	233	48	17	25	20	12	1	2	0	1	5	8	12	-	13	-	-	-
MACHRIHANISH	21-9	10	9.0	4.0	6.5	-	13.5	2	-2.7	29	-	-	125	172	52	30	24	17	1	0	0	1	0	0	2	7	5	7	2.41	-	-
MILLPORT	9 9	5	8.9	1.5	5.2	-	10.8	2	-6.5	28,29	-	-	77	107	10	13	20	19	0	-	0	0	0	0	4	-	-	2	-	-	-
PAISLEY	9 9	32	9.5	3.6	6.5	+0.7	12.4	10,31	-1.6	29	5.5	6.1	122	176	30	30	25	21	1	0	1	0	0	1	3	3	-	4	2.23	76	-
PRESTWICK	21-9	16	9.3	3.6	6.5	-	13.5	31	-3.9	29	-	-	71	137	10	30	22	18	2	0	0	1	0	0	3	6	8	1	-	-	-
RHUVAAL	21-9	20	8.6	4.2	6.4	-	13.8	2	0.8	12	-	-	143	170	44	30	20	16	0	0	0	0	0	0	0	2	2	4	-	-	-
ROTHESAY	9 9	43	8.9	4.3	6.6	-	12.0	2,20	-1.5	28	5.2	5.1	117	136	28	30	20	20	0	0	0	0	0	0	2	9	-	0	-	-	-
SLOY	21-9	12	8.5	3.4	5.9	-	11.6	25	-3.2	29	-	-	274	-	38	2	26	20	1	-	0	0	0	0	4	-	-	0	-	-	-
STRONACHULLIN	9 9	2	9.2	3.5	6.3	-	12.3	31	-3.3	29	-	-	193	-	62	30	24	18	0	0	0	0	0	0	3	5	-	0	-	-	-
TIREE	21-9	9	8.6	4.7	6.7	+0.5	10.8	31	-1.1	29	-	-	113	162	30	30	20	19	0	0	0	3	0	0	1	6	5	7	2.74	75	-
CENTRAL																															
ARROCHYMORE	9 9	30	8.9	2.4	5.7	-	11.1	31	-4.3	29	-	-	161	-	37	30	23	20	-	0	-	-	-	2	5	18	-	-	2.15	-	-
CALLANDER	9 9	107	8.2	2.1	5.1	-	10.6	8,16	-2.9	29	-	-	154	153	20	31	25	22	0	0	0	0	0	2	5	16	-	0	-	-	-
EARLS HILL	21-9	335	6.5	1.2	3.9	-	9.4	2	-4.2	28	-	-	165	-	35	30	27	20	7	-	0	0	0	4	8	9	10	8	2.25	-	-
FALKIRK	9 9	3	9.5	3.2	6.3	-	13.2	9	-1.4)	1	-	-	71	-	14	2	22	16	0	-	0	0	0	2	3	-	-	0	2.01	-	-
GRANGEMOUTH	9 9	4	9.5	3.6	6.5	-	13.5	9	-1.0	1	-	-	73	-	13	2	24	20	1	0	0	0	0	1	3	11	-	0	-	-	-
PARKHEAD	9 9	107	9.2	2.9	6.1	-	13.4	31	-4.3	1	4.6	-	95	-	21	30	23	21	-	0	-	-	-	5	3	-	-	-	-	-	-
STIRLING(BATTERFLATS)	9 9	38	-	-	-	-	-	-	-	-	5.2	5.0	104	-	24	30	24	19	3	0	0	0	0	3	-	9	-	1	2.55	-	-
DUMFRIES & GALLOWAY																															
BARGRENNAN	9 9	110	9.0	1.7	5.3	-	11.5	31	-6.6	29	-	-	179	179	59	30	21	18	2	0	0	0	0	2	8	15	-	0	-	-	-
CLATTERINGSHAWS ...	9 9	178	7.7	2.2	4.9	-	10.3	31	-4.5	29	-	-	205	155	60	30	25	20	3	0	4	0	0	0	4	-	-	0	1.84	-	-
DUMFRIES	9 9	49	9.0	3.2	6.1	+1.0	13.2	9	-3.2	29	5.5	5.6	87	129	14	30	21	19	2	-	0	1	0	1	4	13	-	0	2.24	69	-
DUNDEUGH	9 9	119	8.4	1.6	5.0	-	10.9	2	-7.3	29	4.8	-	183	199	40	30	23	19	1	1	0	0	0	1	8	-	-	0	-	-	-
ESKDALEMUIR	21-9	242																													
PSYCHROMETER			7.1	1.5	4.3	-	12.5	9	-7.5	29	4.8	5.1	159	159	21	15	26	22	9	3	7	2	0	1	7	14	10	2	1.75	56	-
SCREEN			7.3	1.7	4.5	+0.8	12.6	9	-7.3	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-
GIRDSTINGWOOD	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.62	-	-
GLENLEE	9 9	55	8.9	1.9	5.4	+0.6	12.0	31	-6.0	29	-	-	175	171	49	30	22	19	-	0	-	-	-	2	5	17	-	-	-	-	-
GLENLOCHAR BARRAGE ...	9 9	47	8.7	2.7	5.7	-	11.2	5	-4.6	29	-	-	107	130	42	30	21	17	1	0	0	0	0	3	6	-	-	7	-	-	-
PALNURE	9 9	15	9.0	3.0	6.0	-	11.4	31	-4.3	29	-	-	121	139	44	30	21	17	1	0	0	0	0	3	6	13	-	2	-	-	-
PENWHIRN	9 9	166	7.9	2.0	4.9	-	11.5	31	-4.0	29	-	-	198	209	62	30	23	18	-	-	-	-	-	2	5	11	-	-	2.52	-	-
THREAVE	9 9	73	8.8	2.9	5.9	-	10.5	9	-4.1	29	5.3	-	106	126	33	30	22	17	3	0	2	0	0	3	5	15	-	2	-	-	-
2 ENGLAND E & NE																															
NORTHUMBERLAND																															
BOULMER	21-9	23	9.0	3.0	6.0	-	13.9	2	-2.7	28	5.2	5.3	36	-	7	26	16	10	3	0	0	2	0	0	5	9	10	0	3.24	-	-
COCKLE PARK	9 9	99	9.0	2.8	5.9	-	13.8	2	-1.8	29	4.9	-	45	-	9	26	18	13	3	1	0	2	0	0	5	14	-	2	2.80	-	-
HAYDON BRIDGE	9 9	79	9.7	3.0	6.3	-	16.6	9	-4.0	29	5.5	5.3	54	117	8	20	21	17	3	1	0	2	0	0	5	-	-	1	-	-	-
KIELDER CASTLE	9 9	201	8.0	1.2	4.6	+1.3	14.7	9	-6.4	29	4.6	-	98	146	12	31	23	21	2	1	0	2	0	1	9	16	-	1	-	-	-
LETHAMHILL FARM ...	9 9	76	9.1	2.9	6.0	-	17.0	9	-7.2	1	-	-	41	-	7	26	18	11	-	-	-	-	-	-	4	10	-	-	-	-	-
REDESDALE	9 9	238	7.9	1.0	4.5	-	14.7	9	-3.4	1	4.0	-	62	-	8	30	22	16	-	1	-	-	-	1	7	16	-	-	2.66	-	-
SEAHOUSES	21-9	11	9.0	3.7	6.3	-	13.9	2	-1.0	29	-	-	39	116	5	26	15	11	2	1	0	1	0	0	2	14	10	2	3.13	-	-
STONEHAUGH	9 9	201	8.5	1.5	5.0	-	14.7	9	-4.4	29	-	-	72	-	12	30	23	16	3	1	0	2	0	2	8	14	11(7)	0	-	-	-
TYNE & WEAR																															
CHOPWELLWOOD	9 9	136	9.3	2.8	6.1	+1.2	14.0	9	-3.0	29	-	-	71	164	14	1	18	12	2	2	0	0	0	0	3	9	-	0	-	-	-
NEWCASTLE WEATHER CENTRE (X)	21-9	75	9.6	4.1	6.9	-	14.4	9	-1.0	28	-	-	46	-	7	15	16	13	3	1	0	2	1	0	3	-	7	0	3.20	-	-
TYNEMOUTH	21-9	29	9.0	4.3	6.7	+1.2	14.4	9	-0.8	29	-	-	25	68	5	23	15	9	2	0	1	1	1	0	1	6	-	4	-	-	-
WASHINGTON	9 9	27	9.6	3.3	6.5	-	14.5	9	-1.3	28	5.5	5.7	37	-	7	26	16	11	2	1	0	2	1	0	4	-	-	0	2.84	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MARCH 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL MIGHT) OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
2 ENGLAND E & NE -CONTINUED																																
DURHAM																																
DURHAM	9 9	102	9.2	2.7	5.9	+1.0	14.0	9	-2.0	29	5.5	5.7	55	148	8	26	19	15	-	1	-	-	-	0	5	12	-	-	2.37	71	-
LOW ETHERLEY	9 9	155	8.5	2.2	5.3	-	13.4	9	-4.0	1	5.0	-	59	-	8	31	19	14	7	3	1	2	0	2	7	13	-	3	-	-	-
WIDDYBANK FELL	9 9	513	5.6	0.0	2.8	-	12.5	9	-6.5	29	2.8	-	-	-	-	-	-	-	-	4	-	-	-	4	11	21	-	-	2.18	-	-
CLEVELAND																																
HARTBURN GRANGE ...	9 9	31	9.6	2.8	6.2	-	14.8	9	-2.1	29	-	-	40	134	8	26	16	11	2	1	0	3	0	0	7	12	-	2	2.64	-	-
HARTLEPOOL	9 9	9	9.7	4.2	6.9	+1.0	15.7	9	-0.5	29	-	-	43	130	8	26	17	14	2	0	0	2	0	0	1	-	-	0	2.89	-	-
NORTH YORKSHIRE																																
ASKHAM BRYAN	9 9	34	9.8	2.4	6.1	-	15.3	9	-2.2	29	-	-	40	108	8	26	19	12	0	0	0	2	1	0	6	12	-	0	2.89	90	-
CAWOOD	9 9	6	9.6	3.2	6.4	-	15.6	9	-1.5	29	5.9	6.0	47	131	9	26	16	12	2	1	0	0	0	1	5	13	-	0	2.44	-	-
HIGH MOWTHORPE	9 9	175	8.4	2.6	5.5	-	14.7	9	-2.6	29	5.0	-	67	141	11	26	17	13	2	1	0	0	0	2	5	11	-	0	2.66	-	-
LEEMING	21-9	32	9.7	3.4	6.5	-	15.5	9	-1.8	29	5.6	5.8	57	143	13	26	16	11	4	1	0	2	0	2	5	9	7	0	2.48	-	-
MALHAM TARN	9 9	395	6.4	0.9	3.7	+0.8	12.5	9	-4.3	29	3.8	-	110	118	16	18	23	19	2	4	0	4	0	3	7	24	-	0	-	-	-
PICKERING	9 9	44	9.5	2.3	5.9	-	16.0	9	-3.1	30	-	-	72	172	14	26	17	13	5	2	0	2	1	4	7	16	-	0	-	-	-
SCARBOROUGH	9 9	53	9.4	3.8	6.6	-	16.1	9	-0.7	29	5.9	6.1	59	154	15	26	13	11	3	0	0	1	0	0	4	8	6	0	3.34	97	-
SILPHO MOOR	9 9	203	8.6	2.2	5.4	-	14.6	9	-1.8	28	4.7	-	86	162	16	31	18	13	3	0	0	0	0	0	6	12	-	0	3.05	-	-
SNAIZEHOLME	9 9	290	7.2	1.1	4.1	-	13.8	9	-7.1	1	4.4	-	130	-	21	31	23	21	3	1	0	0	0	0	7	10	-	0	2.06	-	S
WHITBY	9 9	41	9.6	3.5	6.5	-	15.7	9	-1.2	30	-	-	53	-	10	15	18	14	4	0	0	2	0	0	2	(12)	-	8	3.49	-	-
WHITBY(COASTGUARD) ...	21-9	60	9.2	3.7	6.5	-	15.4	9	-1.9	28	-	-	45	-	10	15	15	12	4	0	0	2	0	0	2	6	4	2	-	-	-
YORK(HESLINGTON) ...	9 9	20	9.7	2.6	6.1	-	15.6	9	-3.5	26	5.9	6.0	37	104	8	26	18	12	1	0	0	0	0	1	6	6	-	0	2.49	-	-
HUMBERSIDE																																
BRIDLINGTON	9 9	48	8.9	3.2	6.1	-	12.9	2	-1.0	28.30	-	-	55	126	10	26	14	12	3	0	1	3	0	3	3	13	-	2	2.96	-	-
BRIGG	9 9	3	10.3	3.2	6.7	-	16.0	9	-2.5	30	-	-	41	96	6	31	20	12	2	0	0	0	2	0	4	9	-	1	-	-	-
CLEETHORPES	9 9	6	10.4	(3.8)	(7.1)	(+1.4)	16.0	9	-2.0	29	-	-	31	82	6	26	15	9	-	0	-	-	-	0	(2)	-	-	-	(3.25)	(92)	-
HULL	9 9	2	10.4	4.1	7.3	+1.6	16.3	9	-0.4	30	6.3	6.7	44	107	7	26	18	12	3	0	0	2	0	0	2	11	-	0	(3.22)	(103)	-
LINCOLNSHIRE																																
BINBROOK	21-9	108	9.1	3.0	6.1	-	15.2	9	-2.2	30	-	-	57	127	10	31	18	12	6	1	0	5	0	2	5	8	7	2	3.30	-	-
CAISTOR	9 9	55	10.1	3.2	6.7	-	16.2	9	-2.3	29	-	-	45	-	7	27	17	14	-	-	-	-	-	-	4	-	-	-	-	-	-
CRANWELL	9 9	62	10.0	2.5	6.3	+1.0	15.6	9	-3.4	30	5.8	5.4	37	95	6	19	15	13	4	1	1	0	1	2	6	12	8	0	2.75	75	-
KIRTON	9 9	4	10.0	3.2	6.6	-	15.8	9	-2.0	30	6.5	6.7	32	-	4	22	17	12	2	2	0	0	0	2	4	12	-	0	3.30	-	-
LINCOLN	9 9	7	10.2	3.5	6.9	+1.4	16.5	9	-4.1	29	6.0	6.0	30	-	7	15	16	9	2	1	0	0	0	2	4	10	-	0	3.01	-	-
SKEGNESS	9 9	5	10.1	3.8	6.9	+1.6	15.1	9	0.0	28.29.30	-	-	35	92	6	27	14	10	0	0	0	0	0	0	0	6	-	0	-	-	-
SUTTON BRIDGE	9 9	4	10.5	3.4	6.9	-	16.2	9	-2.5	30	-	-	35	87	5	15	17	11	3	-	0	-	0	-	4	10	-	0	-	-	-
WADDINGTON	21-9	68	9.8	3.3	6.5	+1.1	15.8	9	-2.9	30	-	-	34	83	4	19	15	11	4	1	0	3	0	3	5	11	6	0	2.98	83	-
3 EAST ANGLIA																																
NORFOLK																																
COLTISHALL	21-9	17	10.4	3.5	6.9	-	15.2	2	-4.1	30	-	-	37	89	7	27	16	12	3	0	0	4	0	0	6	11	8	0	-	-	-
CROMER	9 9	54	10.6	3.6	7.1	+1.6	16.0	9	-1.3	31	-	-	33	86	5	27	16	12	3	-	0	3	0	1	3	8	-	0	4.10	105	-
GORLESTON	9 9	4	10.0	4.7	7.3	+1.9	15.3	2	-0.4	29	6.8	7.3	34	91	6	21	15	10	2	0	0	0	1	1	-	-	-	0	4.00	105	-
MARHAM	21-9	23	10.3	3.2	6.7	-	15.8	9	-3.5	30	-	-	41	-	7	27	15	11	4	1	1	2	2	3	5	13	9	0	3.82	-	-
MORLEY ST BOTOLPH ...	9 9	48	10.0	3.4	6.7	-	15.2	2	-3.1	30	6.4	-	43	-	5	15	17	16	3	0	0	2	0	2	5	13	-	0	3.57	-	-
SANTON DOWNHAM	9 9	24	10.7	2.4	6.5	-	16.0	9	-7.8	30	6.0	6.1	46	107	5	13	21	15	-	0	-	-	-	1	9	19	-	-	3.31	-	-
SCOLE	9 9	27	10.5	3.4	6.9	-	15.5	2	-4.3	30	6.5	6.7	50	-	9	20	17	15	5	0	0	2	0	1	7	10	-	0	3.66	-	-
TERRINGTON ST CLEMENT	9 9	3	10.4	3.2	6.8	+1.2	16.0	9	-2.4	30	6.5	-	35	95	6	27	16	11	1	1	1	2	1	2	4	11	-	0	3.35	90	-
CAMBRIDGESHIRE																																
BOXWORTH	9 9	53	10.3	3.2	6.7	-	18.0	2	-2.2	31	-	-	36	95	5	13	18	10	1	0	0	1	0	2	4	-	-	0	3.34	-	-
CAMBRIDGE																																
BOTANIC GARDEN ...	9 9	12	(11.0)	(3.4)	(7.2)	(+1.3)	17.3	2	-5.1	30	(6.7)	(7.1)	36	101	5	26	17	13	1	1	1	1	1	0	5	14	-	0	-	-	-
NATIONAL INSTITUTE OF AGRICULTURAL BOTANY	9 9	26	(11.0)	(3.6)	(7.3)	-	17.5	2	-4.1	30	-	-	43	122	10	11	16	11	1	1	0	0	1	2	5	9	-	0	3.19	84	-
MARCH	9 9	2	10.9	3.4	7.1	-	16.9	9	-3.5	30	-	-	32	76	4	13	16	14	-	-	-	-	-	-	4	-	-	-	-	-	-
MEPAL	9 9	-2	10.8	3.3	7.1	-	17.1	2	-5.0	30	7.2	8.1	37	-	7	16	17	10	3	0	1	2	2	3	4	14	-	0	3.19	-	-
WITTERING	9 9	73	9.9	3.3	6.6	-	16.3	9	-2.9	30	-	-	37	-	6	15	17	13	4	0	3	1	0	5	5	11	9	1	2.77	-	-
WYTON	21-9	40	10.4	4.0	7.2	-	18.2	2	-3.0	30	-	-	37	98	5	21	17	12	3	0	0	4	0	4	4	10	7	0	-	-	-
SUFFOLK																																
ALDEBURGH	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.93	-	-
BROOMS BARN	9 9	75	10.0	3.5	6.7	-	16.3	2	-2.5	30	6.2	6.5	42	111	6	13.20	19	12	2	1	1	1	3	2	4	8	-	0	3.31	-	-
EAST BERGHOLT	9 9	4	(10.9)	(3.3)	(7.1)	-	17.7	2	-3.3	31	-	-	25	65	6	'26	15	8	2	0	0	0	0	1	6	(15)	-	0	-	-	-
HAUGHLEY	9 9	58	10.0	3.0	6.5	-	16.0	2	-3.9	30	6.6	-	39	-	7	20	17	11	3	1	0	0	1	2	7	-	-	0	-	-	-
HONINGTON	21-9	50	10.2	3.8	7.0	-	16.1	2	-3.7	30	-	-	44	116	7	20	16	15	3	0	3	0	2	2	5	11	7	0	3.47	-	-
LOWESTOFT	9 9	25	9.7	4.2	6.9	+1.6	14.5	2	-1.1	30	6.6	6.8	37	99	6	27	16	10	1	0	0	2	1	0	1	2	7	7	1	3.68	96	S
WATTISHAM	21-9	89	9.7	3.5	6.6	-	16.4	2	-2.4	30	-	-	37	93	9	20	16	12	4	0	1	1	2	2	4	10	7	0	3.32	-	-
BEDFORDSHIRE																																
CARDINGTON	21-9	29	10.6	3.4	7.0	-	18.6	2	-5.5	30	6.7	6.8	47	128	7	15	18	14	3	0	0	2	1	2	6	13	8	0	3.20	-	-
LUTON	9 9	159	9.5	3.0	6.3	-	17.1	2	-2.5	30	6.4	7.1	44	100	9	13	15	10	-	0	-	-	-	3	5	(10)	-	-	2.91	-	-
SILSOE	9 9	61	10.2	(3.4)	(6.8)	(+1.2)	17.5	2	-5.4	30	6.3	7.0	41	117	6	13	16	11	3	0	0	0	2	2	6	10	(8)	-	3.28	87	-
WOBURN	9 9	89	10.2	3.3	6.7	+1.4	17.8	2	-5.6	30	6.6	6.8	52	124	8	15	19	14	1	0	0	0	1	2	4	12	-	0	2.86	79	-
HERTFORDSHIRE																																
ALDENHAM SCHOOL ...	9 9	91	10.5	3.4	6.9	-	18.4	2	-3.9	30	6.7	-	73	166	11	20	15	13	1	0	0	0	1	0	6	13	6	0	-	-	-
GARSTON	9 9	78	10.5	3.6	7.1	-	18.6	2	-3.7	30	-	-	65	149	10	15.20	19	14	3	0	0	1	1	0	5	12	8	0	2.94	-	-
HODDESDON	9 9	43	10.9	(3.8)	(7.3)	-	19.2	2	-3.7	30	7.5	-	60	150	11	13	17	11	1	0	1	1	1	-	5	14	-	0	3.06	-	-
ROTHAMSTED	9 9	128	9.9	3.1	6.5	+1.3	17.5	2	-3.4	30	6.3	6.5	55	122	10	13	18	14	4	0	2	0	1	2	5	18	-	0	2.93	82	-
ST ALBANS	9 9	83	10.2	3.7	6.9	+1.4	18.2	2	-3.2	30	6.4	-	58	144	9	20	16	13	2	0	2	0	1	3	5	15	-	0	3.16	-	-
STANSTEAD ABBOTTS ...	9 9	30	10.8	3.5	7.1	-	18.9	2	-4.6	30	(7.3)	7.7	55	148	9	20	15	10	-	0	-	-	-	2	5	13	-	-	-	-	-
ESSEX																																
CLACTON-ON-SEA	9 9	16	10.1	5.4	7.7	+2.2	15.5	2	-0.7	29	7.9	7.9	45	114	12	20	15	11	2	0	0	0	0	2	1	4	-	0	3.71	95	-
HALSTEAD	9 9	70	10.3	3.6	6.9	-	17.5	2	-2.8	31	6.4	6.7	48	-	12	20	18	13	3	0	1	0	2	0	5	15	-	0	-	-	-
HARLOW	9 9	79	10.4	3.7	7.1	-	18.7	2	-3.8	30	-	7.3	60	157	16	20	16	12	4	0	2	1	3	2	6	-	-	1	(2.43)	-	-
LITTLE PARNDON	9 9	54	10.4	4.0	7.2	-	18.5	2	-4.1	30	-	-	60	166	15	20	16	13	1	0	1	0	2	5	5	-	-	0	-	-	-
MALDON	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOEBURYNESS	21-9	2	10.5	5.3	7.9	+1.9	17.7	2	-1.1	29	-	-	43	121	11	20	16	10	2	0	2	0	0	1	3	9	6	0	4.03	105	-
STANFORD-LE-HOPE ...	9 9	6	11.1	3.7	7.4	-	18.0	2	-3.0	31	-	-	35	-	8	20	14	10	1	-	0	0	0	2	5	-	-	0	3.78	-	-
STANSTED	21-9	101	9.9	3.4	6.7	-	18.4	2	-3.6	30	-	-	58	149	13	20	17	15	4	0	3	2	1	1	6	12	6	0	-	-	-
WRITTLE	9 9	32	10.6	3.5	7.1	+1.4	18.3	2	-3.6	30	6.8	-	53	149	9	19	15	13	2	0	2	0	0	2	5	19	-	0	2.90	80	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MARCH 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL M(GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 50 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	PRECIPITATION: 0.2 MM OR MORE	PRECIPITATION: 1.0 MM OR MORE	WEATHER (NUMBER OF DAYS): SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	BRIGHT SUNSHINE: PERCENTAGE OF 1941-70 AVERAGE	BRIGHT SUNSHINE: EXPOSURE
4 MIDLAND COUNTIES																																
WEST YORKSHIRE																																
BRADFORD	9 9	134	9.1	2.8	5.9	+1.0	15.6	9	-2.5	29	5.0	5.1	56	98	8	19	21	14	2	0	1	0	0	3	5	8	-	0	2.56	88	S
BRAMHAM	9 9	54	9.6	3.0	6.3	-	15.6	9	-1.7	28	-	-	49	114	8	26	19	15	2	1	0	1	2	1	4	11	-	0	-	-	-
HUDDERSFIELD																																
OAKES	21-9	232	9.1	2.6	5.9	+1.2	17.6	9	-2.8	28	4.7	4.7	71	102	10	26	24	17	2	2	1	1	2	4	4	12	12	6	2.55	87	-
RAVENSKNOWLE	9 9	99	9.9	3.4	6.7	+1.6	16.5	9	-2.0	1	5.3	5.4	53	95	9	31	21	15	2	0	0	0	1	2	5	(11)	-	0	2.68	104	-
ILKLEY	9 9	83	9.5	3.0	6.3	+1.4	16.0	9	-2.5	29	-	-	75	129	13	15	22	15	2	0	1	1	0	4	6	6	-	0	2.55	82	-
TODMORDEN	9 9	160	8.9	2.8	5.9	-	15.2	9	-4.1	29	-	-	94	*	14	31	22	18	2	0	0	1	1	0	5	-	-	0	-	-	-
PONTEFRACT	9 9	78	9.2	3.1	6.1	+0.9	14.6	9	-1.3	29	-	-	39	102	7	26	20	13	2	0	1	1	1	1	3	-	-	0	-	-	-
WILSDEN	9 9	262	8.2	1.8	5.0	-	15.3	9	-6.6	1	-	-	68	-	9	15	22	15	3	1	1	0	0	4	7	8	6	0	-	-	-
SOUTH YORKSHIRE																																
FINNINGLEY	21-9	10	10.1	3.1	6.6	-	16.3	9	-3.2	30	-	-	36	98	7	31	17	12	5	1	0	3	0	1	6	12	9	1	2.68	-	-
SHEFFIELD																																
DORE	9 9	206	8.8	2.8	5.8	-	14.5	2	-1.5	28,29,30	-	-	66	-	9	26	22	18	3	1	2	2	1	3	4	-	-	2	-	-	-
WESTON PARK	9 9	131	9.5	3.4	6.5	+1.0	15.7	9	-1.2	13,29	5.5	5.6	60	103	9	15	21	16	2	0	0	1	0	-	3	-	-	0	2.55	86	-
DERBYSHIRE																																
ASHOVER	9 9	178	8.8	2.8	5.8	-	14.6	2	-3.0	29	-	-	54	-	10	31	24	12	4	0	0	3	0	5	6	10	-	0	2.03	-	-
BUXTON	9 9	307	7.3	2.0	4.7	+0.9	13.1	2	-4.4	1	4.3	4.5	105	125	23	31	23	18	5	1	2	0	2	4	6	10	-	0	-	-	S
DERBY	9 9	48	10.2	3.6	6.9	-	16.5	2	-2.0	29	-	-	41	92	8	31	18	16	3	0	2	0	1	5	4	7	-	0	1.99	-	-
MORLEY	9 9	107	10.0	2.9	6.5	-	15.5	2	-3.5	29	-	-	41	86	5	11	17	15	0	0	0	0	0	8	5	14	-	0	2.17	-	-
WINGERWORTH	9 9	126	9.3	2.5	5.9	-	15.6	2	-4.0	29	5.3	-	52	-	9	31	23	12	2	0	0	1	3	3	8	17	-	0	2.17	-	-
NOTTINGHAMSHIRE																																
MANSFIELD	9 9	114	9.3	3.4	6.3	+1.0	15.0	2.9	-1.5	28	-	-	42	-	7	13	17	10	2	0	0	0	0	1	3	9	-	0	-	-	-
NEWTHORPE	9 9	58	-	2.1	-	-	-	-	-2.5	28	-	-	39	-	10	31	18	11	-	-	-	-	-	-	5	-	-	-	-	-	-
NOTTINGHAM	9 9	59	10.2	3.9	7.1	+1.3	16.0	2.9	-1.0	29	5.9	5.7	38	93	7	31	18	13	2	0	0	4	0	6	2	14	-	3	2.26	76	-
SUTTON BONINGTON	9 9	48	10.4	3.7	7.1	+1.6	16.3	9	-2.8	29	6.2	6.3	42	98	6	31	20	12	1	0	2	1	1	3	4	10	8	0	2.76	85	-
WARSOP	9 9	46	9.7	3.3	6.5	-	15.8	9	-2.3	30	-	-	41	96	5	11	18	12	2	0	0	3	0	2	7	13	-	0	2.52	-	-
WATNALL	21-9	117	9.7	3.4	6.5	+1.2	15.6	9	-2.0	30	-	-	43	85	9	31	18	11	4	0	3	2	4	4	3	10	8	0	2.16	69	-
STAFFORDSHIRE																																
KEELE	9 9	179	8.9	2.7	5.8	-	15.0	2	-3.0	29	5.2	5.4	47	94	7	26	22	15	3	0	0	1	0	3	5	12	7	0	1.80	-	-
OAKEN	9 9	125	9.6	2.9	6.3	+1.2	17.0	2	-3.6	29	6.1	-	50	106	10	15	19	14	2	0	2	0	1	1	5	7	-	0	-	-	S
PENKRIDGE	9 9	101	9.7	(2.6)	(6.1)	-	16.9	2	-4.6	29	-	-	44	96	9	15	19	14	2	0	1	0	0	0	5	7	-	0	-	-	-
STONE	9 9	107	(9.6)	(2.7)	(6.1)	-	15.6	2	-4.0	29	-	-	-	-	-	-	-	-	3	0	8	0	2	2	5	12	-	0	(2.08)	-	-
LEICESTERSHIRE																																
CALDECOTT	9 9	52	10.1	3.3	6.7	-	16.4	9	-5.7	30	-	-	42	101	9	15	17	14	2	0	0	0	0	2	5	13	-	0	2.58	-	-
NEWTOWN LINFORD	9 9	119	9.6	2.9	6.3	-	15.7	9	-3.8	30	-	-	48	102	9	15	19	15	2	0	0	2	1	2	5	8	-	0	2.44	-	-
SALOP																																
HAMPTON LOADE	9 9	64	10.2	(3.6)	(6.9)	-	17.0	2	-3.5	29	-	-	47	-	8	15	19	16	-	-	-	-	-	-	3	-	-	-	2.24	-	-
NEWPORT	9 9	64	10.0	3.2	6.6	+1.5	15.9	2	-4.4	29	-	-	38	89	5	15	16	13	3	0	2	0	2	0	3	12	-	0	2.18	68	-
OSWESTRY	9 9	174	9.0	3.3	6.1	+1.0	15.5	2	-1.9	29	-	-	94	152	13	19	21	17	2	0	1	2	0	2	3	14	-	0	2.04	58	S
PRESTON MONTFORD	9 9	67	(10.4)	(3.3)	(6.9)	-	17.6	2	(-3.3)	29	(6.3)	(6.2)	34	-	6	17	18	15	0	0	3	0	0	0	(5)	9)	-	2	(2.36)	-	-
SHAWBURY	21-9	72	10.2	3.4	6.8	+1.2	17.2	2	-4.6	29	-	-	34	79	6	26	15	11	4	0	0	1	0	1	4	11	7	0	2.19	64	-
SHREWSBURY	9 9	56	10.3	3.8	7.1	+1.2	17.8	2	-3.6	29	6.7	6.9	39	94	5	15	19	16	0	0	0	1	0	0	3	9	-	0	2.23	66	-
WEST MIDLANDS																																
BIRMINGHAM																																
EDGBASTON	21-9	163	9.4	3.7	6.5	+0.8	16.6	2	-2.0	28	6.3	-	49	88	9	15	19	16	4	0	3	0	1	2	4	6	5	0	2.41	77	-
ELMDON AIRPORT	21-9	96	9.9	3.0	6.5	+1.1	16.5	2	-4.5	29	-	-	50	-	10	15	17	15	4	0	1	2	1	1	4	13	10	0	2.59	77	-
KING EDWARD SCHOOL	9 9	137	9.6	3.0	6.3	-	16.3	2	-2.2	28	-	-	47	91	9	15	19	14	-	0	-	-	-	2	5	-	-	-	-	-	-
COVENTRY AIRPORT	9 9	81	9.8	2.8	6.3	-	16.4	2	-3.3	30	6.0	6.2	45	-	9	15	18	12	1	0	2	0	1	0	4	-	-	1	2.56	-	-
WARWICKSHIRE																																
LONG LAWFORD	9 9	87	10.1	3.1	6.6	-	16.4	2	-3.6	29	6.2	-	39	-	8	15	20	12	4	0	3	0	0	2	4	12	-	0	-	-	-
LUDDINGTON	9 9	56	10.2	3.7	6.9	-	16.5	2	-2.9	29	-	-	30	-	7	26	15	10	1	0	1	0	1	1	3	11	-	0	2.95	-	-
MORETON MORRELL	9 9	85	10.0	3.1	6.5	-	16.3	2	-4.1	29	-	-	62	144	11	15	23	18	1	0	0	0	0	0	3	11	-	0	2.62	-	-
RUGBY	9 9	117	10.0	3.2	6.6	+1.1	16.0	2	-3.3	30	6.0	6.4	48	110	11	15	17	12	3	0	1	1	0	1	4	8	4	0	-	-	-
SHIPSTON-ON-STOUR	9 9	111	10.0	3.3	6.7	+1.1	16.8	2	-2.1	30	6.4	-	66	147	16	15	20	15	2	0	0	0	1	0	4	15	-	4	2.56	68	-
STRATFORD-UPON-AVON	9 9	49	10.5	3.4	6.9	+1.3	16.9	2	-3.9	30	6.8	-	40	99	6	26	19	16	-	0	-	-	-	0	4	13	-	-	2.39	70	-
WELLESBOURNE	9 9	47	10.3	3.6	6.9	-	16.3	2	-3.2	29	6.3	6.5	52	129	9	26	20	14	-	0	-	-	-	0	3	8)	6	-	2.67	-	-
NORTHAMPTONSHIRE																																
BUGBROOKE MILLS	9 9	69	10.2	3.0	6.6	-	17.5	2	-4.5	30	6.4	6.6	47	110	9	15	21	14	0	0	0	0	0	1	4	-	-	1	2.83	-	-
MOULTON PARK	9 9	122	9.8	3.1	6.5	-	17.3	2	-2.9	29	6.3	6.4	50	-	8	13	20	15	0	0	0	0	0	0	4	13	-	0	-	-	-
RAUNDS	9 9	59	10.6	3.3	6.9	+1.4	17.5	2	-4.9	30	6.7	6.6	41	96	6	15	18	15	3	0	0	0	1	1	4	13	-	0	(2.55)	(74)	S
HEREFORD & WORCESTER																																
ASTWOOD BANK	9 9	139	10.0	3.3	6.7	-	16.1	2	-2.9	29	-	-	57	-	10	15	21	15	5	0	1	1	1	2	4	8	-	0	-	-	-
HEREFORD	9 9	52	10.4	3.7	7.1	-	17.7	2	-2.9	29	6.8	7.3	60	134	16	15	20	12	2	0	0	1	1	2	3	9	-	0	2.53	-	-
LYONSHALL	9 9	155	10.1	3.4	6.7	+1.2	16.2	2	-2.5	29	-	-	70	119	12	15	21	15	-	0	-	-	-	-	3	17	-	-	-	-	-
MALVERN	9 9	62	10.4	4.0	7.2	-	17.8	2	-0.9	28,30	6.4	6.5	55	109	11	15	21	15	3	0	0	0	1	4	2	9	-	0	2.09	56	S
PERSHORE																																
COLLEGE OF HORT.	9 9	40	10.4	4.3	7.3	-	16.7	2	-3.0	29	-	-	60	144	13	15	21	19	1	0	2	0	0	1	3	5	-	3	3.02	-	-
ROYAL RADAR EST.	21-9	35	10.7	3.9	7.3	-	17.6	2	-3.9	29	-	-	53	136	13	15	21	14	2	0	0	3	0	0	4	9	-	0	2.78	-	-
PRESTON WYNNE	9 9	84	9.8	3.4	6.6	-	16.3	2	-2.8	29	-	-	54	117	10	15	21	14	1	0	1	0	0	4	4	9	-	3	2.22	-	-
GLOUCESTERSHIRE																																
CHELTENHAM	9 9	65	10.7	4.8	7.7	+1.4	13.3	2	-3.1	29	-	-	101	240	21	15	21	19	0	0	0	2	0	0	2	-	-	0	2.46	66	-
INNSWORTH	21-9	21	10.7	4.8	7.7	-	17.5	2	-4.2	29	-	-	50	-	16	15	21	11	2	0	0	0	2	0	4	5	4	0	2.66	-	-
OXFORDSHIRE																																
BENSON	21-9	67	10.6	4.2	7.4	-	18.2	2	-3.0	29	-	-	53	-	9	13	19	11	1	0	4	1	1	0	4	9	-	0	3.36	-	-
BRIZE NORTON	21-9	81	10.1	3.8	6.9	-	17.4	2	-3.3	30	-	-	55	-	7	26	20	13	3	0	2	0	1	0	4	13	8	0	2.94	-	-
LETCOMBE REGIS	9 9	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OXFORD	9 9	63	10.4	4.3	7.3	+1.1	17.2	2	-2.6	30	6.7	6.9	60	139	8	16	19	16	2	0	1	0	2	0	4	9	-	0	2.81	73	-
SHIRBURN(MODEL FARM)	9 9	108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WALLINGFORD	9 9	48	10.6	3.8	7.2	-	17.8	2	-4.5	30	7.1	7.3	48	129	8	13	19	10	1	0	0	0	1	0	4	9	-	0	3.04	-	-
BUCKINGHAMSHIRE																																
AYLESBURY	9 9	96	10.1	(4.4)	(7.3)	(+1.7)	15.6	9	-5.2	29	-	-	46	118	9	13	20	14	3	0	2	0	1	2	4	10	-	0	3.28	93	S
GRENDON UNDERWOOD	9 9	67	10.3	2.9	6.6	-	17.2	2	-6.0	30	6.7	6.9	60	142	9	15,16	17	15	1	0	0	0	1	3	8	11	-	0	2.93	-	-
MEDMENHAM	9 9	30	10.6	2.8	6.7	-	17.1	2	-5.2	30,31	-	-	61	132	8	26	19	15	-	-	-	-	-	-	7	18	-	-	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MARCH 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HIGHT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
5 ENGLAND SE & CENTRAL S.																																
GREATER LONDON																																
BROMLEY	9 9	65	11.0	4.5	7.7	+1.4	19.0	2	-2.0	30	-	-	52	126	9	26	15	14	-	0	-	-	-	-	-	-	-	-	-	-	-	-
ENFIELD	9 9	17	(11.1)	(5.3)	(8.2)	-	20.0	2	-0.6	30	-	-	57	-	11	20	19	11	1	0	0	2	2	0	1	16	-	0	-	-	-	-
GREENWICH	9 9	7	11.2	4.6	7.9	-	19.0	2	-2.9	31	-	-	43	118	10	26	17	13	1	0	0	0	1	0	4	9	-	0	3.15	-	-	-
HAMPSTEAD	9 9	137	10.2	3.9	7.1	+1.4	18.2	2	-1.8	29	-	-	58	134	11	26	15	12	1	0	0	0	1	1	4	10	-	0	2.92	81	S	
HAMPTON	9 9	12	10.6	4.6	7.6	+1.1	17.9	2	-2.5	30	-	-	56	148	10	26	16	13	0	0	0	0	3	0	4	14	-	0	3.41	93	-	
HARROW WEALD	9 9	98	(10.9)	(3.6)	(7.3)	-	19.0	2	-2.6	30	-	-	74	-	13	13	15	11	-	-	-	-	-	-	(3)	(5)	-	-	-	-	-	-
HEATHROW AIRPORT	21-9	25	11.1	4.7	7.9	+1.4	18.4	2	-2.4	30	-	-	57	146	13	13	17	12	2	0	0	0	1	0	4	7	5	0	3.39	-	-	
KENSINGTON PALACE	9 9	25	10.9	5.1	8.0	+1.1	18.5	2	-1.2	30	7.9	8.0	50	123	9	26	17	13	1	0	0	0	1	0	3	14	-	0	-	-	-	
KEW	21-9	6																														
PSYCHROMETER			10.7	4.0	7.3	-	18.5	2	-4.7	30	7.1	7.5	50	132	11	26	16	12	2	0	0	0	3	0	4	14	9	0	3.65	101	-	
NORTH WALL SCREEN			10.9	5.0	7.9	+1.3	18.4	2	-2.6	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LONDON																																
WEATHER CENTRE (X)	21-9	77	11.1	6.2	8.7	-	19.4	2	0.3	28.29	-	-	37	-	9	26	14	11	3	0	1	0	3	0	0	-	-	0	3.10	97	-	
ST JAMES PARK	9 9	4	11.2	5.4	8.3	+1.3	18.6	2	-0.1	30	-	-	48	120	10	26	16	12	-	0	-	-	-	-	1	(11)	-	-	-	-	-	
SOUTHGATE	9 9	67	11.4	4.1	7.7	+1.4	20.0	5	-1.9	30	6.9	-	62	144	13	20	14	12	1	0	0	0	0	1	4	(8)	-	0	3.56	104	-	
WADDON	9 9	59	(11.0)	4.1	(7.5)	(+1.2)	18.5	2	-3.5	30	-	-	64	152	12	15	16	14	-	-	-	-	-	-	4	-	-	-	-	-	-	
WEALDSTONE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.81	-	-	
WILTSHIRE																																
BOSCOMBE DOWN	21-9	126	10.0	3.7	6.9	+1.0	17.2	2	-2.7	29	-	-	77	161	13	15	19	13	1	0	0	0	0	1	4	10	6	0	3.03	76	-	
LACOCK	9 9	49	10.3	3.8	7.1	-	16.8	2	-4.1	30	-	-	62	129	12	15	19	12	-	0	-	-	-	2	5	(8)	-	-	-	-	-	
LARKHILL	9 9	132	10.3	3.6	6.9	+1.3	17.1	2	-2.7	29	-	-	80	157	18	15	20	14	2	0	2	1	0	1	4	8	5	0	-	-	-	
LYNEHAM	21-9	145	9.8	3.7	6.7	+1.2	16.4	2	-3.0	29	-	-	78	166	14	15	22	14	2	0	4	1	1	3	4	11	6	0	3.00	-	-	
PORTON	9 9	110	10.2	3.6	6.9	+1.3	16.8	2	-2.9	31	6.6	-	66	127	14	15	18	13	-	0	-	-	-	1	4	7	7	0	2.78	70	-	
TROWBRIDGE	9 9	37	10.5	3.9	7.2	-	17.7	2	-3.9	29	7.1	-	82	-	14	15	22	16	2	0	1	1	3	0	4	12	-	1	-	-	-	
UPAVON	21-9	179	9.6	3.5	6.5	-	17.0	2	-3.4	29	-	-	87	171	16	15	22	14	2	0	2	2	0	4	4	8	4	0	-	-	-	
BERKSHIRE																																
EASTHAMPSTEAD	9 9	77	10.5	3.5	7.0	-	18.4	2	-6.0	30	7.0	7.2	63	-	10	13	18	15	3	0	1	1	2	0	6	11	7	0	3.42	-	-	
HURLEY	9 9	43	10.5	3.5	7.0	-	17.6	2	-4.0	30	6.8	-	62	137	9	13	20	15	1	0	0	0	1	2	6	13	-	0	2.91	-	-	
LAMBOURN(WARREN FARM)	9 9	192	(9.3)	(3.0)	(6.1)	-	15.8	2	-3.4	28.29	-	-	68	-	(13)	16	(18)	(17)	-	0	-	-	-	1	(4)	-	-	-	-	-	-	
READING	9 9	66	10.4	4.1	7.3	-	18.4	2	-3.6	30	7.0	7.2	62	-	10	26	18	16	2	0	1	0	2	1	4	15	7	3	3.40	-	-	
SHINFIELD(N.I.R.D.)	9 9	62	10.5	3.8	7.1	-	18.0	2	-3.6	30	-	-	60	-	9	13	18	15	2	0	0	2	2	2	4	(11)	-	0	3.13	-	-	
SURREY																																
MERRIST WOOD	9 9	46	10.4	3.9	7.1	-	18.2	2	-4.6	30	6.9	-	68	-	11	15	17	13	1	0	0	2	1	1	5	11	-	0	3.45	-	-	
MICKLEHAM	9 9	55	10.8	3.3	7.1	+1.4	18.0	2	-4.4	30	6.8	6.8	78	163	17	15	18	13	2	0	3	0	1	0	6	10	-	0	-	-	-	
WISLEY	9 9	35	11.1	4.0	7.5	+1.2	18.4	2	-4.2	30	7.0	7.4	68	162	11	26	19	13	1	0	0	0	2	2	5	10	-	1	3.51	97	-	
KENT																																
DOVER R.M.S.	9 9	123	9.2	4.5	6.9	-	13.8	4.9	-0.9	29	-	-	100	188	17	20	21	18	3	0	1	0	1	1	2	8	-	1	-	-	-	
DUNGENESS	9 9	3	9.8	6.0	7.9	-	13.5	4	-1.2	29	-	-	69	168	12	20	21	14	2	0	0	0	0	1	1	-	-	0	-	-	-	
EAST MALLING	9 9	32	10.9	4.0	7.5	+1.6	18.9	2	-4.0	31	7.0	7.2	57	140	18	20	14	12	3	0	0	1	0	2	4	14	11	0	3.69	98	-	
ELMSTONE	9 9	5	11.1	3.9	7.5	-	18.2	2	-3.2	31	-	-	67	175	25	20	17	11	1	0	0	2	0	1	3	12	-	0	-	-	-	
FAVERSHAM	9 9	48	10.7	4.2	7.5	-	18.6	2	-3.2	31	6.8	7.2	81	199	17	20	20	15	1	0	0	3	0	3	6	11	-	0	3.13	-	-	
FOLKESTONE	9 9	31	9.9	4.9	7.4	-	14.4	9	-0.7	31	-	7.9	81	185	17	20	20	13	1	0	1	0	1	0	3	11	-	4	4.11	98	-	
GILLINGHAM	9 9	4	11.1	4.2	7.7	-	18.9	2	-4.9	31	-	-	51	130	11	20	16	12	-	-	-	-	-	-	6	-	-	-	-	-	-	
GOUDHURST	9 9	85	10.2	3.6	6.9	+1.2	15.9	2	-4.4	31	-	-	85	148	18	20	17	14	2	0	0	0	1	2	6	11	-	0	-	-	-	
HADLOW COLLEGE	9 9	30	10.8	3.7	7.3	-	18.2	2	-4.0	31	7.2	7.5	68	-	17	20	17	12	1	0	0	0	0	2	5	16	-	0	(3.09)	-	-	
HERNE BAY	9 9	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MANSTON	21-9	44	10.4	4.7	7.5	-	17.7	2	-1.7	31	-	-	55	157	18	20	13	10	5	0	0	2	0	1	1	11	5	0	4.02	-	-	
MARGATE	9 9	16	10.7	5.7	8.2	+1.9	17.4	2	0.7	31	7.5	7.5	48	147	12	20	16	11	1	0	1	0	0	1	0	3	-	2	3.24	77	-	
ULCOMBE	21-9	47	10.7	3.8	7.3	-	17.2	2	-3.2	31	-	-	71	-	21	20	17	12	3	0	0	0	0	2	5	15	7	0	4.13	-	-	
WYE	9 9	56	10.5	4.0	7.3	+1.5	16.1	2	-3.3	31	7.4	7.5	81	181	27	20	19	15	2	0	1	0	1	4	5	14	-	0	3.61	89	-	
HAMPSHIRE																																
ALICE HOLT LODGE	9 9	115	10.1	3.4	6.7	+1.2	17.1	2	-4.9	30	-	-	95	179	18	13	18	15	1	0	0	1	2	0	5	13	-	0	3.23	-	S	
EVERTON	9 9	16	10.4	5.2	7.8	-	13.8	2	-2.0	30	-	-	67	127	11	31	19	14	0	0	0	0	0	1	3	7	-	0	3.52	-	-	
HAYLING ISLAND	9 9	4	10.0	5.3	7.7	-	12.5	4	-1.6	28	-	-	62	138	10	31	16	14	1	0	0	0	0	0	3	-	-	1	3.87	-	-	
LECKFORD	9 9	117	9.9	3.7	6.8	+1.1	16.7	2	-2.3	29	6.5	-	88	172	17	15	21	17	1	0	0	0	0	1	5	-	-	0	2.83	76	-	
LONG SUTTON	9 9	145	(9.9)	(3.4)	(6.7)	-	16.9	2	-3.2	29.30	6.8)	(7.0)	82	154	19	15	13	11	1	0	2	1	1	4	(4)	9)	-	0	3.56	94	-	
MARTYR WORTHY	9 9	84	10.2	3.7	6.9	-	17.3	2	-3.8	30	-	-	86	157	19	15	17	16	1	0	0	0	1	4	15	-	0	2.78	-	-	
SOUTHAMPTON																																
MAYFLOWER PARK	9 9	3	10.9	5.2	8.1	+1.2	18.3	2	-1.4	30	8.6	9.5	74	-	12	15	19	15	1	0	0	3	1	0	2	9	3	0	3.57	89	-	
WEATHER CENTRE (X)	21-9	19	11.1	5.9	8.5	-	19.0	2	-0.3	30	-	-	73	-	13	15	17	14	1	-	0	3	1	0	2	-	3	0	-	-	-	
SOUTHSEA	9 9	2	10.6	5.6	8.1	+1.4	15.2	2	-0.1	29	8.1	8.3	75	160	13	19	19	14	1	0	0	2	1	2	1	5	-	0	-	-	-	
SPARSHOLT	9 9	113	(10.4)	3.9	(7.1)	-	17.1	2	-3.0	30.31	-	-	82	-	17	15	20	16	1	0	0	0	0	4	4	8	-	0	3.15	-	-	
ISLE OF WIGHT																																
RYDE	9 9	4	10.7	5.9	8.3	+1.6	17.0	2	0.4	29	-	-	63	124	12	31	19	14	1	0	2	0	1	0	0	-	-	2	3.68	87	-	
ST CATHERINES POINT	9 9	16	9.5	5.5	7.5	+1.0	11.6	9	-0.6	28.29	-	-	69	135	13	31	19	14	1	0	3	0	0	2	2	-	-	4	-	-	-	
SANDOWN	9 9	4	10.3	6.0	8.1	+1.4	13.1	2	-1.1	30	-	-	69	133	18	31	11	11	0	-	0	0	0	0	3	-	-	1	3.85	86	-	
SHANKLIN	9 9	55	10.0	6.2	8.1	+2.0	14.0	2	-0.7	29	-	-	79	130	15	31	18	14	1	0	0	0	2	2	-	-	-	0	3.89	84	-	
VENTNOR	9 9	135	10.2	5.3	7.7	+1.2	13.9	2	-1.2	29	8.3	8.4	74	132	15	31	19	13	1	0	2	0	0	4	2	4	-	1	4.08	89	-	
WEST SUSSEX																																
BOGNOR REGIS	9 9	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GATWICK AIRPORT	21-9	59	10.5	3.8	7.1	-	17.9	2	-3.9	31	-	-	71	140	11	15	15	12	1	0	0	0	0	2	5	13	7	0	3.48	-	-	
HURSTPIERPOINT	9 9	30	11.0	4.2	7.6	-	15.6	2	-3.7	30	-	-	75	-	15	31	18	14	-	-	-	-	-	-	5	-	-	-	-	-	-	
LITTLEHAMPTON	9 9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NORTH HEATH	9 9	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ROGATE	9 9	64	(10.7)	4.6	(7.7)	-	18.8	2	-3.3	31	8.1	-	101	-	22	15	18	17	1	0	0	0	0	2	4	9	-	1	-	-	S	
RUSTINGTON	9 9	8	10.3	4.9	7.6	-	12.5	4.9	-2.0	30	-	8.2	69	-	12	31	13	13	-	0	-	-	-	4	11	-	-	3.63	-	-	
WORTHING	9 9	2	(10.3)	5.6	(7.9)	-	12.9	4.17	-0.6	29.30	8.7	-	58	-	13	31	17	12	1	0	1	0	1	0	4	-	-	0	-	-	-	
EAST SUSSEX																																
BEXHILL	9 9	4	10.1	5.7	7.9	+1.8	13.6	4	-0.3	29	-	-	71	150	13	20	16	13	1	0	0	0	0	2	1	6	-	0	4.48	108	-	
BRIGHTON	9 9	10	9.8	4.8	7.3	+1.0	11.8	21	-1.5	29	-	8.7	51	107	11	31	16	11	1	0	0	0	0	2	4	4	-	1	4.03	94	-	
EASTBOURNE	9 9	7	10.4	5.6	8.0	+1.7	13.6	4	-0.4	29	8.2	8.5	60	118	12	20	19	13	1	0	1	0	0	2	1	7	-	1	4.29	96	-	
EAST HOATHLY	9 9	38	10.6	3.7	7.1	-	14.7	9	-3.7	31	-	-	64	126	13	31	16	12	1	0	0	1	0	2	6	14	7	0	3.82	-	-	
HASTINGS	9 9	45	9.9	5.2	7.5	+1.3	12.8	4	-1.1	29	8.3	8.6	72	157	17	20	17	14	2	0	0	2	0	2	4	6	-	2	4.51	106	-	
HERSTMONCEUX	21-9	17	10.2	4.2	7.2	-	13.7	9	-2.4	31	-	-	54	-	11	31	16	13	1	0	0	0	0	2	4	13	-	0	-	-	-	
PLUMPTON	9 9	76	10.2	4.6	7.4	-	15.5	2	-3.0	31	-	-	78	117	26	31	16	15	-	0	-	-	-	2	4	11	-	-	4.11	-	-	

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MARCH 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL H(GMT) OF OBSERVATION MAX.	TERMINAL H(GMT) OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
7A ENGLAND NW & I.O.M.																																
CUMBRIA																																
CARLISLE	21-9		26	9.8	4.0	6.9	-	14.6	9	-4.5	29	6.1	6.1	65	139	16	30	21	14	3	0	1	1	0	0	5	10	4	0	2.62	-	-
CARTMEL	9	9	34	9.4	3.6	6.5	-	13.7	9	-4.9	29	-	-	69	-	17	30	17	17	0	0	0	0	0	0	2	-	-	0	-	-	-
GRIZEDALE	9	9	91	-	1.9	-	-	-	-	-5.4	29	4.8	-	114	93	35	30	23	18	3	2	0	0	0	0	7	20	-	2	-	-	-
MOOR HOUSE	9	9	556	4.9	-0.2	2.3	-	11.5	7	-7.5	29	2.7	-	179	130	22	15	25	24	17	8	4	2	0	6	15	20	-	4	1.78	-	-
NEWTON RIGG	9	9	171	9.1	2.8	5.9	+1.2	14.7	9	-3.8	29	5.2	-	91	150	20	15	23	18	2	0	0	1	0	0	5	12	-	1	1.85	54	S
SELLAFIELD	9	9	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LANCASHIRE																																
HAZELRIGG	9	9	94	9.4	3.4	6.4	-	14.2	9	-2.9	29	-	-	65	-	13	30	18	15	4	0	0	1	0	1	3	7	-	1	2.77	-	-
HELMSHORE	9	9	260	8.0	-	-	-	13.3	9	-	-	5.0	-	92	104	13	31	20	15	2	0	0	1	0	3	-	13	-	0	2.20	-	-
KIRKHAM	9	9	24	9.6	3.7	6.7	-	14.0	2.9	-3.4	29	-	-	61	123	12	30	17	12	0	0	0	1	0	1	4	12	-	0	2.77	-	-
MORECAMBE	9	9	7	10.1	3.9	7.0	+1.3	14.6	9	-2.5	29	-	-	61	112	13	30	20	14	0	0	0	0	0	1	-	-	-	0	2.75	74	-
PRESTON	9	9	33	10.1	4.0	7.1	-	15.0	2	-4.1	29	-	-	70	133	15	18	19	14	1	0	1	1	0	0	3	10	-	0	-	-	-
SLAIDBURN	9	9	192	8.4	2.1	5.3	-	13.9	9	-4.8	29	-	-	115	129	29	31	21	18	2	1	0	1	0	1	6	12	-	0	2.16	-	-
SQUIRES GATE AIRPORT	21-9		10	9.9	3.8	6.9	+1.2	14.3	9	-3.8	29	-	-	57	123	9	18	16	13	2	0	0	0	0	1	2	7	3	0	2.75	70	-
STONYHURST	9	9	115	(8.9)	(2.8)	(5.9)	(+0.8)	14.3	9	-3.6	29	-	-	82	126	17	18	20	16	-	0	-	-	-	2	5	(10)	-	-	(2.09)	(64)	-
MERSEYSIDE																																
AIGBURTH	9	9	12	10.1	4.5	7.3	-	15.7	2	-1.4	29	-	-	40	-	11	26	16	7	3	0	1	0	1	0	2	-	-	0	-	-	-
BIDSTON	9	9	60	9.7	4.4	7.1	-	15.6	2	0.0	28	-	-	41	-	9	30	17	10	1	-	2	0	1	0	0	4	-	0	2.79	-	-
ST HELENS	9	9	76	9.7	3.8	6.7	-	16.0	2	-2.0	29	(5.8)	-	55	-	13	26	19	11	-	-	-	-	-	-	2	-	-	-	2.31	-	-
SOUTHPORT	9	9	5	9.8	3.2	6.5	+0.8	14.8	2	-3.0	29	(6.5)	(7.4)	59	133	11	18	17	12	-	-	-	-	-	-	4	8	-	-	2.83	72	-
SPEKE AIRPORT	21-9		22	10.4	4.0	7.2	+0.9	16.1	2	-2.7	29	-	-	43	-	12	26	15	10	4	0	2	1	1	0	2	8	6	0	2.57	73	-
WEST KIRBY PARK	9	9	8	10.7	4.2	7.5	+1.4	16.6	9	-2.9	29	-	-	44	102	11	30	19	10	0	0	0	0	0	-	1	5	-	0	-	-	-
GREATER MANCHESTER																																
BOLTON	9	9	107	9.4	2.8	6.1	-	15.2	2	-4.0	29	5.3	5.5	72	-	12	30	19	13	1	0	0	0	0	1	5	7	-	0	2.61	84	-
MANCHESTER																																
RINGWAY AIRPORT	21-9		75	10.1	4.2	7.1	+1.4	16.8	2	-2.9	29	-	-	49	101	10	18	16	8	3	0	1	0	2	0	3	5	5	0	2.64	75	-
WEATHER CENTRE (X)	21-9		69	10.5	5.1	7.8	-	16.5	2	-0.8	29	-	-	51	-	9	30	16	13	-	-	-	-	-	0	2	-	-	0	2.35	-	-
CHESHIRE																																
KNUTSFORD	9	9	65	10.3	3.2	6.7	-	16.5	2	-3.5	29	5.6	5.5	53	108	13	26	17	12	1	0	0	0	0	0	4	14	-	0	-	-	-
MACCLESFIELD	9	9	152	9.4	3.4	6.4	+1.1	15.0	2.9	-3.6	29	-	-	61	114	13	30	18	16	2	0	0	2	2	0	3	-	-	0	-	-	-
NESS GARDENS	9	9	55	10.4	3.6	7.0	-	16.3	2	-1.2	29	6.3	-	41	95	11	26	16	8	2	0	1	0	0	0	2	16	-	1	2.37	-	S
ISLE OF MAN																																
DOUGLAS	9	9	87	8.6	4.3	6.5	+0.8	10.8	9	-0.6	28	-	-	88	116	29	30	20	12	2	0	0	1	0	4	1	7	-	2	2.96	76	-
POINT OF AYRE	21-9		9	9.6	4.9	7.3	+1.0	15.0	2	1.4	28	-	-	73	132	13	9.13	22	11	0	0	0	0	0	0	0	-	-	4	2.83	71	-
RONALDSWAY AIRPORT	21-9		16	9.1	4.9	7.0	+1.1	10.9	9	-0.5	28	-	-	56	94	12	30	17	10	2	0	0	0	0	0	2	6	2	2	3.08	82	-
7B WALES N																																
GWYNEDD																																
ABER	9	9	18	11.2	4.9	8.1	-	18.0	2	0.5	30	-	6.7	80	-	15	15	21	13	0	0	1	0	1	0	0	5	-	7	2.51	-	-
BALA	9	9	163	9.5	3.5	6.5	-	15.3	2	-1.8	29	6.0	6.2	108	128	30	15	21	19	2	0	0	2	0	0	3	9	6	0	2.20	-	-
BARDSEY ISLAND	21-9		16	9.1	5.8	7.5	-	10.9	9	1.2	28	-	-	52	92	9	30	18	14	0	0	0	0	0	0	0	3	0	3	-	-	-
BETWS-Y-COED	9	9	15	10.8	3.7	7.3	-	17.4	9	-2.5	29	6.3	-	117	-	21	15	21	17	0	0	0	0	1	2	3	10	-	1	-	-	-
BOTWNNOG	9	9	34	9.7	4.9	7.3	-	12.6	9	-0.2	30	7.0	7.8	64	93	11	13	20	12	0	0	0	0	1	1	3	-	4	4	2.70	-	-
CWMYSTRADLLYN	9	9	204	9.0	3.6	6.3	-	15.0	8.9	0.0	28.29	-	-	118	-	18	15	20	17	-	-	-	-	-	-	0	-	-	-	1.91	-	-
LLYN ALAW	9	9	44	9.9	4.5	7.2	-	15.0	8	0.5	30	-	-	63	-	12	13	19	12	-	-	-	-	-	-	0	-	-	-	3.08	-	-
PEN-Y-FFRIDD	9	9	84	10.4	4.3	7.3	-	16.3	8.9	0.2	30	-	-	76	114	13	15	19	17	0	0	0	1	0	0	0	12	-	3	2.55	-	-
TRAWSFYNYDD	9	9	193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VALLEY	21-9		10	9.9	5.7	7.8	+1.3	14.2	9	1.6	28	-	-	57	111	11	13	18	11	1	0	0	1	0	0	1	4	1	5	3.20	75	-
CLWYD																																
ALWEN	9	9	335	7.7	2.0	4.9	-	13.5	9	-3.0	29	-	-	91	116	13	15	25	19	-	-	-	-	-	-	6	12	-	-	-	-	-
BWLCHGWYN	9	9	386	7.3	1.2	4.3	-	12.0	24	-4.0	12	4.6	-	61	82	10	26	24	21	0	0	0	1	0	3	8	10	-	1	-	-	-
COLWYN BAY	9	9	24	10.4	5.1	7.7	-	16.9	9	1.5	29	6.4	-	72	147	18	15	20	11	0	0	0	0	0	0	0	-	-	0	3.15	76	-
CORWEN	9	9	144	9.9	3.0	6.5	-	16.2	2	-3.0	29	-	-	100	149	30	15	24	20	2	0	2	0	0	-	4	8	-	0	-	-	-
HAWARDEN BRIDGE	9	9	5	11.1	3.8	7.5	+1.4	17.2	2	-2.1	29	-	-	49	111	11	26	21	13	0	0	0	1	0	0	1	-	-	1	-	-	-
LOGGERHEADS	9	9	210	9.1	2.5	5.8	-	15.0	2	-4.5	29	5.3	5.5	54	97	12	26	21	13	4	0	0	0	0	2	5	7	-	0	2.60	-	S
PRESTATYN	9	9	4	10.5	4.6	7.5	+1.0	16.5	9	0.0	29	-	-	45	108	11	30	19	11	0	0	0	0	0	0	0	-	-	0	2.55	69	-
RUTHIN	9	9	76	10.1	3.9	7.0	-	15.7	2	-2.9	29	-	-	40	83	6	15	20	15	0	0	0	0	0	0	2	-	-	0	2.36	-	-
POWYS(NORTH)																																
LAKE VYRNWY	9	9	303	7.7	2.2	4.9	+0.6	14.0	2	-3.1	29	4.6	-	167	153	31	31	22	19	6	0	1	0	0	1	6	12	-	3	-	-	-
MOEL CYNNEDD	9	9	358	8.0	1.8	4.9	-	15.3	2	-4.2	29	5.1	-	169	-	20	13	25	19	4	0	0	1	0	0	8	13	-	0	-	-	-
8A WALES S																																
DYFED																																
ABERPORTH	21-9		134	9.7	4.9	7.3	+1.0	16.3	2	0.5	29	-	-	57	95	13	15	19	13	1	0	1	1	1	0	0	5	1	4	2.65	62	-
ABERYSTWYTH	9	9	4	-	-	-	-	-	-	-	-	-	-	43	71	9	13	16	12	0	0	0	0	0	-	-	-	-	0	-	-	-
BRAWDY	21-9		111	9.2	5.2	7.2	-	12.2	2	0.3	29	-	-	85	-	13	15	20	15	0	0	0	4	1	3	0	4	4	2	2.80	-	-
BRYNAMMAN	21-9		183	9.4	4.0	6.7	-	15.1	2	-3.1	29	-	-	152	-	35	15	23	20	3	0	5	1	1	0	2	3	-	0	-	-	-
CARMARTHEN	9	9	15	10.6	3.5	7.1	-	14.0	2	-5.8	29	7.2	7.3	92	110	18	30	19	12	0	0	3	0	0	0	4	6	-	1	2.58	-	-
CWMYSTWYTH	9	9	301	8.4	2.8	5.6	-	14.4	9	-4.0	29	-	-	140	119	23	13	22	19	0	0	1	0	0	0	5	12	-	0	2.08	-	S
DALE FORT	9	9	33	10.0	5.9	7.9	+1.0	11.9	2	0.9	28	7.7	-	39	-	7	30	19	13	0	0	1	0	1	1	0	3	-	3	3.51	-	-
ESGAIRWEN-UCHAF	9	9	332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOGERDDAN	9	9	31	10.5	4.9	7.7	-	16.7	2	-3.2	29	-	-	38	59	8	13	15	14	0	0	1	0	0	0	2	7	-	0	2.51	-	S
LLETY-EVAN-HEN	9	9	290	8.4	3.4	5.9	-	13.9	2	-2.9	28	-	-	76	99	10	31	20	16	3	0	7	0	0	3	2	6	-	0	2.07	56	-
MILFORD HAVEN (CONSERVANCY BOARD)	21-9		37	9.6	5.4	7.5	-	11.7	2.9	-1.5	28	-	-	77	111	15	30	22	16	0	0	0	0	0	0	1	3	2	1	-	-	-
ORIELTON	9	9	61	10.0	4.7	7.3	-	12.7	2	-4.0	29	7.7	-	96	126	21	25	20	16	1	0	2	0	1	4	3	5	-	5	-	-	-
SKOKHOLM ISLAND	9	9	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENBY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.69	-	-
TRAWSCOED	9	9	61	10.3	4.2	7.3	-	16.5	2	-5.2	29	7.4	-	84	106	14	15	17	15	0	0	1	0	0	1	3	8	-	0	2.52	66	-
TREGARON	9	9	178	9.7	3.6	6.7	-	15.1	2	-6.0	29	-	-	101	-	24	15	20	18	0	0	0	0	0	1	3	10	-	0	2.47	-	S
WHITECHURCH	9	9	130	9.7	4.2	6.9	-	15.4	2	-1.8	29	-	-	137	-	31	15	20	16	0	0	0	6	1	0	2	7	-	5	-	-	-
POWYS(SOUTH)																																
CENARTH	21-9		308	8.2	3.1	5.7	-	14.9	2	-4.5	29	-	-	130	-	18	13	24	18	2	0	2	1	0	3	5	-	-	0	-	-	-
LLANGENNY	9	9	122	10.1	4.0	7.1	-	16.1	2	-3.0	29	-	-	77	-	11	17	19	16	0	0	0	0	0	-	3	-	-	0	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL MIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)											BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY		PRECIP-ITATION	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE	0.2 MM OR MORE													
8A WALES S CONTINUED																														
WEST GLAMORGAN																														
MUMBLES HEAD	21-9	36	9.6	5.7	7.7	-	13.6	2	-0.5	29	-	-					0	0	0	0	1	0	2	2	2	5				
NEATH	9 9	62	10.1	5.1	7.6	-	14.2	2	-2.4	29	-	-	117	142	18	30	20	16	0	0	3	0	1	0	2	7	-	0	-	-	-
PENMAEN	9 9	85	10.1	4.9	7.5	-	14.8	2	-1.7	29	7.3	7.5	93	118	13	15	21	17	0	0	3	3	0	1	2	7	5	2	2.28	-	-
PORT TALBOT	9 9	7	11.2	5.9	8.5	-	16.2	2	-2.0	29	-	-	93	129	15	30	20	16	0	0	2	0	1	0	1	-	-	0	-	-	S
SWANSEA	9 9	8	-	-	-	-	-	-	-	-	-	-	89	117	15	13	21	15	0	0	0	0	0	0	2	-	-	0	(2.45)	-	S
WHITEFORD BURROWS	9 9	6	10.8	5.1	7.9	-	14.3	2	-3.6	29	-	-	71	-	14	17	21	15	0	0	0	0	0	2	3	10	-	3	-	-	-
MID GLAMORGAN																														
ABERDARE	9 9	174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CILFYNYDD	21-9	194	9.1	4.0	6.5	-	16.1	2	-2.0	29	-	-	115	-	25	31	22	16	1	0	0	0	1	0	2	4	3	0	-	-	-
LLWYNON	9 9	242	8.5	2.9	5.7	-	13.9	2	-4.8	29	-	-	167	149	39	15	25	19	1	0	0	0	0	5	4	-	-	0	1.62	-	-
PORTHCAWL	9 9	6	11.5	5.4	8.5	-	17.0	2	-0.3	28	-	-	76	119	19	26	19	14	0	-	0	0	0	0	1	-	-	5	-	-	S
SOUTH GLAMORGAN																														
BRIDGEND	9 9	43	10.5	4.7	7.6	-	16.9	2	-2.9	29	7.7	7.7	90	-	19	26	20	17	-	-	-	-	-	-	2	4	-	-	-	-	-
RHOOSE AIRPORT	21-9	67	10.2	4.9	7.5	-	17.7	2	-1.9	29	-	-	70	-	16	26	21	14	2	0	2	0	1	2	2	5	3	0	2.58	-	-
GWENT																														
CRUMBLAND	9 9	245	8.9	3.1	6.0	-	15.4	2	-2.5	28	6.0	6.2	99	142	30	15	23	17	1	0	0	0	0	3	4	7	-	0	2.42	-	-
NEWPORT	9 9	23	10.3	-	-	-	17.4	2	-	-	-	-	80	121	12	31	22	19	0	0	1	0	0	3	-	6	-	0	2.55	-	-
USK	9 9	21	(10.9)	(3.7)	(7.3)	(+1.3)	17.8	2	-4.0	29.30	7.5	-	-	-	-	-	-	-	0	0	0	0	0	-	5	7	-	0	2.33	66	-
8B ENGLAND SW																														
AVON																														
BATH	9 9	118	-	-	-	-	-	-	-	-	-	-	73	146	23	2	(17)	(12)	-	-	-	-	-	-	-	-	-	-	-	-	-
FILTON	21-9	59	10.6	4.7	7.7	+1.4	16.8	2	-2.0	29	-	-	59	126	9	26	21	15	2	0	3	0	2	0	3	6	5	0	2.50	70	-
LONG ASHTON	9 9	51	10.7	4.8	7.7	+1.4	17.5	2	-1.9	29	7.2	-	76	140	15	26	22	16	1	0	0	2	1	0	3	5	-	0	2.80	73	-
SOMERSET																														
CANNINGTON	9 9	23	11.2	4.8	8.0	+1.4	17.0	2	-1.5	30	7.8	-	64	142	11	26	21	15	0	0	0	0	0	0	2	(11)	-	0	2.66	66	-
CREWKERNE	9 9	101	10.0	4.6	7.3	-	17.7	2	-1.7	28	-	-	124	-	33	15	19	18	0	0	0	0	2	-	3	-	-	0	-	-	-
DOWNSIDE ABBEY	9 9	183	9.5	4.0	6.7	-	16.6	2	-2.6	29	-	-	89	124	17	31	22	18	1	0	1	0	2	2	3	-	-	0	-	-	-
EXTON	21-9	335	8.7	3.1	5.9	-	16.9	2	-2.2	28	-	-	135	-	19	18	24	21	7	0	8	0	0	5	3	10	7	0	-	-	-
HAWKRIDGE	9 9	314	8.4	3.1	5.7	-	16.8	2	-2.5	29	-	-	122	123	14	18	24	20	2	0	3	0	0	5	3	10	-	0	(1.91)	-	-
NETTLECOMBE	9 9	96	11.0	4.6	7.8	-	18.5	2	-2.9	29	7.6	-	90	-	16	15	17	15	0	0	0	0	0	2	2	6	-	0	-	-	-
NETTLECOMBE(BIRDS HILL)	9 9	290	9.4	(3.8)	(6.6)	-	17.0	2	-	-	-	-	108	-	13	18	20	17	0	0	0	0	0	1	-	5	-	1	-	-	-
RODNEY STOKE	9 9	40	10.6	4.7	7.7	-	17.8	2.5	-1.0	29.30	7.4	7.5	65	113	11	26	20	16	0	0	1	0	1	0	3	4	-	1	-	-	-
WINCANTON	9 9	114	10.3	3.5	6.9	-	18.2	2	-3.2	29	-	-	99	158	15	15	20	16	1	0	1	0	1	3	5	9	-	2	-	-	-
YEOVILTON	21-9	18	10.8	4.6	7.7	-	18.5	2	-4.7	29	-	-	96	200	13	18	21	16	1	0	0	0	0	1	4	-	-	0	-	-	-
DORSET																														
BOURNEMOUTH																														
HURN AIRPORT	21-9	10	10.8	4.7	7.7	-	17.9	2	-4.3	30	-	-	85	152	12	20	20	15	0	0	1	2	1	0	5	8	5	0	3.47	-	-
MEYRICK PARK	9 9	40	10.4	5.0	7.7	+1.2	16.7	2	-2.5	30	7.2	7.6	73	131	13	15	18	14	0	0	0	1	1	2	4	6	-	1	3.80	89	-
CHRISTCHURCH	9 9	3	10.8	5.3	8.1	-	17.4	2	-2.4	30	-	-	79	146	12	13	20	17	1	0	1	0	1	0	3	(6)	-	0	-	-	-
POOLE	9 9	5	11.2	5.1	8.1	+1.5	17.4	2	-2.2	30	8.0	8.3	93	172	25	20	17	12	1	0	1	0	1	0	3	7	-	0	3.12	72	-
PORTLAND BILL (COASTGUARD)	21-9	53	9.7	5.7	7.7	+1.1	11.7	2	-0.7	28	-	-	61	-	10	15	19	14	1	0	1	0	2	2	1	-	-	2	3.66	-	-
SWANAGE	9 9	11	10.3	5.8	8.1	+1.6	15.4	2	-1.3	30	-	8.7	81	142	16	31	20	15	0	0	0	3	1	0	3	3	-	0	2.93	67	-
WEYMOUTH	9 9	23	10.6	5.3	7.9	-	13.0	4	-1.4	29,30	-	-	94	-	14	13	19	16	1	0	0	0	1	1	3	-	-	0	3.41	77	-
WINFRITH	9 9	26	10.5	4.9	7.7	-	15.3	2	-3.6	30	-	-	104	167	19	31	21	16	0	0	0	0	0	0	4	7)	-	0	-	-	-
DEVON																														
CHELDON BARTON	9 9	164	10.3	4.0	7.1	-	18.4	2	-3.3	29	7.4	-	67	-	8	31	23	14	0	0	0	0	0	1	3	8	-	0	2.65	-	-
EXETER AIRPORT	21-9	32	11.2	5.1	8.1	+1.4	20.2	2	-2.2	29	-	-	98	178	23	15	21	19	1	0	1	1	1	1	2	8	3	0	2.55	64	-
EXMOUTH	9 9	59	10.8	5.4	8.1	+1.6	17.6	2	-1.6	28	-	-	103	178	18	15	21	20	0	0	0	0	1	1	2	-	-	1	2.99	71	-
HARTLAND POINT	21-9	91	9.9	6.1	8.0	+1.3	15.8	2	0.8	28	-	-	55	97	9	26	21	14	0	0	0	2	0	3	0	3	1	6	3.13	72	-
ILFRACOMBE	9 9	8	11.0	6.3	8.7	-	16.5	2	0.4	29	8.3	9.0	89	-	12	31	21	17	0	0	0	0	0	0	-	-	-	0	2.90	-	-
PLYMOUTH																														
MOUNT BATTEN	21-9	27	10.6	6.2	8.4	+1.3	14.8	2	-1.0	29	-	-	100	135	18	31	20	17	0	0	0	2	1	2	1	6	4	2	3.35	78	-
THE HOE	9 9	36	10.5	5.8	8.1	+0.7	13.2	2	-0.9	29	8.2	8.2	87	116	17	31	18	17	0	0	0	0	0	2	9	-	2	3.09	73	-
PRAWLE POINT	21-9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	1	0	0	1	-	-	-	9	3.11	-	-
PRINCETOWN	9 9	414	7.9	2.8	5.3	-	15.4	2	-3.3	28	-	-	231	-	45	15	23	21	1	0	1	3	0	14	3	11	-	0	-	-	-
SLAPTON	9 9	32	10.8	5.6	8.2	-	16.1	2	0.0	28,29	-	-	109	133	24	31	21	17	0	0	4	0	0	0	0	8	-	0	-	-	-
STARCROSS	9 9	9	11.0	5.0	8.0	+1.3	15.0	3	-2.3	29	8.1	-	107	175	19	15	20	19	1	0	2	0	1	1	2	8	-	3	2.87	69	-
TAVISTOCK	9 9	139	(10.5)	(4.4)	(7.5)	-	17.2	3	-2.5	29	-	-	100	111	24	15	20	15	-	-	-	-	-	-	(3)	-	-	3	-	-	-
TEIGNMOUTH	9 9	6	11.0	5.4	8.2	+1.0	18.5	2	-0.5	29	-	-	102	160	21	15	21	18	0	0	0	0	1	0	1	2	-	0	2.93	70	-
TORBAY(TORQUAY)	9 9	8	11.1	5.9	8.5	+1.4	19.0	2	-0.3	29	-	8.4	106	151	26	15	20	16	0	0	1	0	1	0	1	-	-	3	3.20	74	-
CORNWALL																														
BASTREET	9 9	232	9.6	3.4	6.5	-	17.2	2	-4.8	29	-	-	153	139	29	31	24	19	0	0	0	0	0	2	4	6	-	1	2.47	-	-
BUDE	9 9	15	11.3	5.4	8.3	+1.2	18.1	2	-2.7	29	8.0	-	61	109	7	31	21	16	0	0	0	0	0	2	-	-	-	2	3.22	75	-
CULDROSE	9 9	81	10.5	5.8	8.1	-	14.4	2	-1.2	29	-	-	85	117	16	31	22	16	0	0	0	2	1	1	3	2	-	3	3.40	-	-
ELLBRIDGE	9 9	69	10.7	4.8	7.7	-	15.4	2	-2.5	29	-	-	107	129	19	31	24	16	0	0	1	1	1	3	3	12	-	0	2.92	70	-
FALMOUTH	9 9	51	10.8	5.6	8.2	+0.6	17.1	2	-0.5	29,30	-	-	80	93	12	15	20	17	0	0	0	0	0	2	2	5	-	1	3.07	78	-
FOWEY	9 9	75	10.3	5.5	7.9	+0.4	13.1	2	-2.0	29	-	-	84	-	14	31	22	15	0	0	0	7	2	2	3	-	-	2	-	-	-
GULVAL	9 9	15	11.1	5.6	8.3	-	17.0	2	0.5	29	-	-	80	-	15	31	22	14	0	0	3	1	3	0	0	5	-	2	3.56	-	-
GWENNAP HEAD	21-9	66	10.0	6.7	8.3	-	12.4	2	-0.8	28	-	-	46	-	9	12	16	11	0	0	3	0	0	2	1	2	1	6	-	-	-
LIZARD	9 9	73	10.5	6.7	8.6	+1.1	13.2	2	1.3	28	-	-	62	90	14	31	18	17	0	0	1	0	0	2	0	-	-	10	4.00	96	-
NEWQUAY	9 9	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENZANCE	9 9	19	11.5	5.9	8.7	+0.6	17.2	2	-0.9	29	-	-	105	123	19	12	23	16	0	0	3	0	1	0	1	-	-	3	3.65	88	-
ROSEWARNE	9 9	76	11.0	5.6	8.3	-	17.1	2	-0.3	29	8.6	8.5	86	106	17	15	22	14	0	0	5	1	0	0	2	8	-	2	3.29	-	-
ST AUSTELL(BETHEL)	9 9	55	10.7	5.2	7.9	-	13.8	2	-1.0	28	-	-	95	-	13	31	23	16	0	0	0	7	2	0	3	5	-	2	-	-	-
ST JOHNS	9 9	128	10.7	4.0	7.3	-	18.8	2	-3.2	29	-	-	121	159	33	15	21	17	-	-	-	-	-	-	3	-	-	-	2.69	-	-
ST MAWGAN	21-9	103	11.0	5.8	8.4	-	18.6	2	-0.5	29	-	-	101	142	16	31	20	17	0	0	0	3	1	2	2	5	2	2	3.44	-	-
SCILLY(ST MARYS)	21-9	48	11.2	7.5	9.3	+0.8	14.2	2	3.2	28	-	-	46	67	7	12	20	14	0	0	0	0	1	1	0	0	0	3	4.25	100	-
CHANNEL ISLANDS																														
ALDERNEY	9 9	88	10.2	5.9	8.1	-	13.6	2	1.6	28	8.7	-	57	-	15	31	19	14	0	0	2	0	1	2	0	1	-	3	3.83	-	-
GUERNSEY																														
AIRPORT	21-9	104	10.3	6.3	8.3	+1.2	16.2	2	1.8	28	7.9	8.2	73	129	16	31	19	15	1	0	4	1	1	2	0	3	0	0	4.13	88	-
L'ANCRESSE	9 9	5	11.6	6.5	9.1	-	18.0	2	2.8	28	-	-	70	130	11	31	19	13	0	-	3	0	1	-	0	-	-	0	4.70	-	-
JERSEY																														
AIRPORT	9 9	83	11.0	5.5	8.3	-	16.7	2	-0.4	31	8.4	8.8	70	130	16	20	18	14	0	0	3	1	1	2	1	4	3	0	4.39	-	-
GOREY CASTLE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.54	-	-
ST HELIER	9 9	47	11.9	6.1	9.0	+0.9	16.1	2	1.4	31	-	-	73	134	15	20	18	14	0	0	2	0	1	0	0	8	-	0	4.80	98	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MARCH 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) OF OBSERVATION	MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
NORTHERN IRELAND																																
LONDONDERRY																																
AGHANLOO	9	9	18	10.0	4.0	7.0	-	14.4	2	-0.7	13	-	-	46	-	7	15	13	13	-	-	1	5	-	-	-	-	-	-	-	-
BANAGHER(CAUGH HILL)	9	9	216	8.4	2.4	5.4	-	12.3	2	-2.0	28	-	-	140	-	26	30	23	15	2	0	1	1	0	1	4	13	-	6	2.26	-	-
CARMONEY	9	9	73	9.8	3.7	6.7	-	13.4	2	0.3	29	-	-	53	-	8	30	17	16	0	0	0	0	1	0	0	6	-	-	2.29	-	-
COLERAINE UNIVERSITY	9	9	23	9.5	3.5	6.5	-	14.2	2	-0.4	13	5.7	5.8	70	-	13	30	21	15	2	0	1	1	1	0	1	7	-	0	2.41	72	-
COOLKEERAGH	9	9	3	10.1	4.2	7.1	-	14.0	2	1.0	12	-	-	51	-	7	30	16	14	-	-	-	-	-	-	0	-	-	-	-	-	-
DERRYNOYD FOREST			88	9.1	2.6	5.9	-	13.5	2	-2.0	29	-	-	119	147	29	30	23	17	1	0	0	0	0	0	3	14	-	-	-	-	-
GARVAGH FOREST	9	9	88	9.2	2.6	5.9	-	12.6	31	-2.1	28	5.0	5.0	94	129	17	15	24	15	2	0	2	0	1	0	3	12	-	-	-	-	-
LOUGHERMORE FOREST	9	9	174	8.9	2.8	5.9	-	13.2	2	-3.1	28	-	-	84	111	10	15	24	16	4	0	3	1	1	0	3	10	-	9	-	-	-
MONEYDIG	9	9	34	10.0	2.8	6.4	+0.7	13.6	31	-1.9	28	6.7	-	80	132	16	30	19	15	1	0	0	2	1	0	5	9	7	0	-	-	-
SOMERSET FOREST	9	9	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																																
ALDERGROVE AIRPORT	21	9	68	9.5	3.6	6.5	+0.8	13.8	2	-3.6	28	6.2	6.5	62	107	13	30	20	16	3	0	0	1	0	0	3	7	5	0	2.66	81	-
ALTNAHINCH	9	9	226	8.2	2.3	5.3	-	12.1	2	-2.5	28.29	-	-	107	116	24	30	23	16	1	0	1	1	0	0	5	15	-	1	2.15	-	-
BALLYLUMFORD	9	9	24	9.4	4.5	6.9	-	14.0	2	0.2	29	-	-	80	-	18	30	21	15	-	-	-	-	-	-	0	4	-	-	-	-	-
BALLYMONEY	9	9	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALLYPATRICK FOREST	9	9	152	8.8	2.6	5.7	-	13.7	2	-1.7	29	-	-	85	108	10	10	23	18	0	-	0	0	0	0	2	11	-	0	2.08	-	-
CARNLOUGH	9	9	12	9.7	4.1	6.9	-	14.7	2	-0.2	25	-	-	91	-	13	30	21	16	1	-	0	0	0	0	1	5	-	-	-	-	-
DIVIS MOUNTAIN	9	9	363	7.6	1.4	4.5	-	12.4	31	-4.3	29	-	-	99	124	24	30	19	19	-	-	-	-	-	-	5	-	-	-	-	-	-
GREENMOUNT	9	9	32	10.0	2.6	6.3	-	14.2	2	-4.2	28	6.2	-	70	127	15	30	19	15	1	0	1	1	0	-	3	8	-	-	-	-	-
HYDE PARK (MALLUSK)	9	9	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KILROOT POWER STATION	9	9	12	9.6	4.4	7.0	-	13.6	31	-0.6	29	-	-	61	-	10	30	22	14	-	0	-	-	-	-	1	9	-	-	-	-	-
LISNAFILLAN	9	9	38	9.4	2.1	5.7	-	13.4	2	-3.6	28	-	-	78	135	21	30	19	17	0	0	0	0	0	0	6	14	-	0	2.51	-	-
LOWTOWN	9	9	271	7.5	2.3	4.9	-	12.2	2	-2.8	29	4.6	-	122	134	24	30	25	18	4	1	0	0	1	4	3	15	-	3	2.19	-	-
PARKMORE FOREST	9	9	235	7.8	-	-	-	12.1	1	-	-	-	-	116	116	23	30	22	18	3	0	0	0	0	1	-	15	-	3	-	-	-
WOODBURN NORTH	9	9	217	8.3	2.9	5.6	-	13.8	31	-1.7	29	-	-	96	123	21	30	22	19	0	0	0	0	0	5	1	11	-	-	-	-	-
BELFAST																																
ANDERSONSTOWN	9	9	64	9.6	2.9	6.3	-	14.5	31	-2.4	28	-	-	93	-	14	2	23	18	2	0	0	0	0	1	2	7	-	-	-	-	-
MALONE	9	9	35	9.9	4.2	7.1	-	14.8	2	-2.2	28	6.1	-	78	-	12	13	22	18	-	-	-	-	-	-	2	5	-	-	2.87	-	-
MILLTOWN	9	9	37	10.1	4.1	7.1	-	15.0	31	-1.8	28	-	-	83	-	15	13	20	19	0	0	0	0	0	2	2	3	-	-	-	-	-
NEWTOWNABBEY	9	9	32	9.7	4.7	7.2	-	14.4	2	0.4	28	6.4	-	94	142	23	30	21	17	1	0	0	0	0	0	0	9	5	1	2.57	-	S
ROSEBANK	9	9	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROSETTA	9	9	24	9.9	4.3	7.1	-	14.8	2	-1.0	29	-	-	79	127	12	13	25	16	0	0	0	0	0	0	2	-	-	-	-	-	-
STORMONT CASTLE	9	9	56	9.5	4.1	6.8	-	14.9	31	-0.4	29	6.3	6.4	75	123	14	30	22	19	0	0	0	0	0	0	2	13	-	-	2.93	-	-
DOWN																																
BANGOR SEACOURT	9	9	15	9.7	4.8	7.3	-	14.8	31	1.0	29	6.4	6.7	73	-	16	30	21	18	0	0	0	1	0	0	0	4	3	-	2.92	-	-
BALLYWALTER PARK	-	-	11	-	-	-	-	-	-	-	-	-	-	66	121	11	30	24	13	-	-	-	-	-	-	-	-	-	-	3.20	93	-
BALLYWATTICOCK	9	9	6	9.4	4.5	6.9	-	14.5	31	-0.5	29	-	-	66	129	12	30	20	13	1	0	0	0	0	1	6	-	-	1	3.27	-	-
CREIGHTONS GREEN	9	9	119	8.7	-	-	-	13.4	2	-	-	-	-	71	109	16	30	16	16	-	-	-	-	-	-	-	-	-	-	-	-	-
DOWNPATRICK	9	9	26	9.9	4.6	7.3	-	13.4	2	-0.6	29	-	-	58	-	8	30	21	13	-	-	-	-	-	4	2	4	-	-	-	-	-
HELENS BAY	9	9	43	9.8	4.6	7.2	-	14.5	31	0.9	28.29	-	-	76	135	15	30	21	18	0	0	0	3	0	2	0	4	-	3	2.98	-	-
HILLSBOROUGH	9	9	116	9.1	3.6	6.3	+1.0	13.9	2	-2.2	28	5.8	6.0	75	132	9	19	22	18	1	0	0	0	0	2	2	9	-	2	3.02	94	-
MURLOUGH	9	9	9	9.8	3.9	6.9	-	14.8	31	-2.5	28	-	6.1	91	-	33	30	20	15	0	0	0	1	0	0	2	5	-	4	3.09	-	-
ARMAGH																																
ARMAGH	9	9	62	9.9	3.8	6.9	+0.6	14.1	2	-3.4	28	6.4	6.6	65	122	9	30	21	15	1	0	1	1	0	0	2	8	-	4	2.48	74	-
LOUGHGALL	9	9	25	10.0	4.0	7.0	-	14.9	2	-3.3	28	-	-	61	122	8	30	19	16	0	0	3	1	0	0	2	8	-	0	2.83	-	-
LURGAN	9	9	55	10.0	4.0	7.0	-	13.8	2	-1.1	29	6.2	6.2	57	109	7	13	21	16	0	-	0	0	0	-	2	8	-	-	3.05	-	-
TANDRAGEE	9	9	43	10.7	3.6	7.1	-	14.7	31	-3.2	28	-	-	65	-	10	30	17	14	-	-	-	-	-	-	2	-	-	-	-	-	-
TYRONE																																
ALTAVEEDAN	9	9	175	8.8	2.9	5.9	-	13.3	2	-3.6	28	-	-	106	-	19	30	24	20	-	-	-	-	-	-	1	7	-	-	-	-	-
CARRIGANS	21	9	113	9.4	3.4	6.4	-	12.9	2	-4.0	28	-	-	73	103	16	30	20	16	3	0	1	3	1	0	2	11	4	0	2.37	-	-
COOKSTOWN	9	9	77	9.3	3.0	6.1	-	14.1	2	-3.7	28	-	-	63	97	13	30	20	14	0	0	0	0	2	3	7	7	-	-	2.61	-	-
LOUGH BRADAN	9	9	169	8.7	2.1	5.4	-	12.2	2	-4.3	28	-	-	127	142	28	30	26	19	-	0	-	-	-	0	4	10	-	-	2.62	-	-
POMEROY FOREST	9	9	174	8.6	2.7	5.7	-	13.0	2	-2.7	28	5.4	-	89	122	12	30	22	17	1	0	0	0	0	4	2	9	-	-	-	-	-
STRABANE CONVENT	9	9	44	9.9	3.9	6.9	-	14.3	2	-1.5	28	-	-	85	144	13	15	20	18	2	0	1	3	2	0	1	5	-	4	2.65	-	-
TIEVENNY	9	9	41	9.9	3.5	6.7	-	14.0	2	-3.5	28	-	-	87	-	20	30	23	17	-	-	-	-	-	-	1	8	-	-	-	-	-
FERMANAGH																																
CASTLE ARCHDALE FOREST	9	9	66	9.8	3.7	6.7	+0.9	14.4	2	-3.6	28	6.5	6.5	82	118	15	30	22	17	2	0	0	0	1	1	1	7	-	0	3.05	94	-
CORGARY	9	9	156	9.3	3.4	6.3	-	13.0	2	-4.0	28	-	-	86	-	14	30	23	19	1	-	2	0	0	0	2	5	3	-	-	-	-
KNOCKARAVAN	9	9	53	10.2	3.5	6.9	-	14.6	2	-4.4	28	-	-	96	-	15	30	24	17	0	0	0	2	1	0	1	10	3	-	-	-	-
LISNASKEA	9	9	49	9.8	3.6	6.7	-	13.7	2	-5.4	28	-	-	80	129	19	30	25	15	0	-	0	0	0	0	1	7	-	-	2.71	-	-
LOUGH NAVAR FOREST	9	9	148	9.3	2.8	6.1	-	13.4	2	-2.7	28	-	-	106	119	14	15	25	18	1	0	0	1	0	4	4	13	-	-	-	-	-
PUBBLE FOREST	9	9	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

MARCH 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT							VISIBILITY										WIND SPEED AND DIRECTION															
									OKTAS																	BEAUFORT FORCE															
																										8 OR MORE	6-7	4-5	1-3	CALM											
																										SPEED (KT)															
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 199M	200 - 399M	400 - 999M	1000 - 1999M	2000 - 3999M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
			NUMBER OF OBSERVATIONS																																				
0 SCOTLAND N SHETLAND																																							
FAIR ISLE	61	9	1009.9	-	5.2	0.9	7.6	85	6.3	0	3	5	11	11	1	0	1	0	0	0	4	2	6	9	9	7	8	11	4	1	2	4	2	4	12	2	3	1
		15	1009.7	-	5.7	1.1	7.6	82	6.6	0	2	2	18	9	0	0	0	0	0	1	2	2	9	8	9	5	9	15	1	1	3	2	2	4	13	1	2	3
		21	1009.4	-	5.1	0.8	7.7	86	6.7	1	1	4	10	14	1	0	0	1	0	0	1	2	2	10	7	10	4	10	12	3	2	2	4	1	6	8	4	2	2
LERWICK	83	3	1010.0	-	-	-	-	-	6.1	0	5	4	7	15	0	0	0	0	0	0	1	7	11	10	2	1	5	11	13	1	4	2	0	4	8	5	6	1
		9	1010.1	- 1.8	-	-	-	-	6.5	0	3	6	7	14	1	0	1	0	0	0	1	0	11	5	8	5	1	7	15	7	1	5	2	2	2	11	4	3	1
		15	1010.0	-	-	-	-	-	6.3	0	2	5	16	7	1	0	1	0	1	0	0	6	9	10	4	0	6	19	6	0	4	2	1	3	11	5	3	2
		21	1009.7	-	-	-	-	-	6.5	0	4	3	6	17	1	0	1	0	0	0	2	11	8	5	4	0	5	15	10	1	4	2	0	4	11	3	4	2
ORKNEY																																							
KIRKWALL	26	3	1009.8	-	4.4	0.7	7.5	89	5.5	3	4	4	6	14	0	0	0	0	0	1	0	5	6	13	6	1	6	14	7	3	3	1	2	3	10	4	4	1
		9	1010.0	- 2.3	5.4	0.9	7.8	86	6.2	0	5	3	13	10	0	0	0	0	0	0	1	2	12	9	7	1	7	15	8	0	3	2	4	1	12	4	4	1
		15	1009.6	-	6.5	1.2	8.0	82	6.9	0	1	2	17	11	0	0	0	0	0	0	1	4	14	7	5	1	5	19	6	0	4	3	2	8	8	1	5	0
		21	1009.4	-	4.9	0.8	7.7	88	6.5	0	3	4	8	16	0	0	0	0	0	0	0	4	9	13	5	0	5	16	10	0	3	1	2	5	10	3	5	2
WESTERN ISLES																																							
BENBECULA	7	3	1008.6	-	5.5	0.5	8.4	92	5.6	2	5	5	6	13	0	0	0	0	0	1	0	2	7	14	7	1	6	14	8	2	4	2	2	4	14	1	2	0
		9	1008.6	- 3.5	6.4	0.6	8.7	90	6.0	0	4	5	14	8	0	0	0	0	0	0	1	4	7	13	6	0	9	17	3	2	3	3	2	6	10	3	2	0
		15	1008.1	-	7.6	1.0	8.9	85	6.2	0	4	5	10	12	0	0	0	0	0	0	2	3	3	17	6	0	9	18	4	0	1	6	1	7	9	3	3	1
		21	1007.4	-	6.2	0.7	8.6	90	5.6	1	6	3	8	13	0	0	0	0	0	0	2	3	4	15	7	2	7	13	9	0	6	2	2	5	9	6	0	1
STORNOWAY	5	3	1009.0	-	5.4	0.7	8.1	89	5.3	1	9	2	6	13	0	0	0	0	0	0	0	3	8	15	5	1	6	15	9	0	2	3	3	3	7	9	3	1
		9	1009.0	- 3.1	6.1	0.8	8.3	88	6.4	0	3	2	19	7	0	0	0	0	0	0	1	3	7	15	5	1	9	14	7	0	0	5	5	2	13	2	4	0
		15	1008.7	-	7.2	1.3	8.3	81	6.5	0	1	6	13	11	0	0	0	0	0	0	0	4	5	12	10	1	8	17	5	0	0	8	2	4	7	6	3	1
		21	1007.8	-	6.1	0.8	8.4	88	5.7	2	2	7	8	12	0	0	0	0	0	0	0	4	8	15	4	1	5	17	8	0	1	6	2	5	7	7	3	0
HIGHLAND																																							
CAPE WRATH	113	3	1008.7	-	5.4	0.5	8.2	92	5.5	1	7	5	2	15	1	0	0	1	0	0	0	0	1	18	11	0	1	13	17	0	0	6	4	3	7	7	3	1
		9	1008.9	-	5.7	0.7	8.3	89	6.7	0	0	8	8	14	1	0	0	1	0	0	1	2	2	13	12	1	2	10	18	0	4	1	4	4	11	4	2	1
		15	1008.6	-	6.7	0.8	8.8	89	6.2	0	1	10	7	11	2	0	1	0	1	1	0	1	3	15	9	1	4	10	14	2	3	3	4	3	4	10	2	0
		21	1008.1	-	5.9	0.6	8.5	91	6.2	0	2	9	5	15	0	0	0	0	0	0	0	1	5	18	7	0	5	9	17	0	3	3	7	1	6	7	4	0
DALCROSS	12	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WICK	37	3	1010.0	-	4.3	0.9	7.2	86	5.0	2	7	5	9	8	0	0	0	0	0	0	0	4	4	18	5	0	5	9	17	0	3	1	2	3	9	5	7	1
		9	1010.2	- 2.4	5.5	1.3	7.4	80	6.0	0	3	6	15	7	0	0	0	0	0	0	0	4	3	17	7	0	5	16	10	0	5	2	3	4	12	1	4	0
		15	1009.6	-	6.8	1.6	7.6	77	6.7	0	0	5	20	6	0	0	0	1	0	0	0	2	3	13	12	0	4	21	6	0	4	2	2	7	9	3	3	1
		21	1009.4	-	5.1	1.0	7.4	84	5.8	0	3	6	15	7	0	0	0	0	0	0	0	4	5	20	2	0	2	16	13	0	4	1	1	5	11	4	5	0
1 SCOTLAND E GRAMPIAN																																							
DYCE	59	3	1011.7	-	3.8	0.9	6.9	86	5.0	3	7	3	11	7	0	0	0	0	0	0	3	5	3	11	9	0	2	10	14	5	3	2	1	4	9	3	3	1
		9	1011.7	- 2.1	5.1	1.0	7.4	84	6.4	0	4	3	14	10	0	0	0	0	1	1	1	6	6	6	8	0	3	13	13	2	4	1	1	4	13	0	4	2
		15	1010.8	-	7.5	1.8	7.8	75	6.4	0	2	5	13	11	0	0	0	0	0	1	0	6	8	7	9	0	2	18	11	0	3	2	4	3	11	3	3	2
		21	1010.8	-	5.1	1.0	7.5	85	6.3	1	4	2	8	16	0	0	0	0	0	0	4	6	6	11	4	0	4	9	16	2	4	1	2	3	12	2	5	0
FRASERBURGH	22	3	1011.5	-	5.0	1.1	7.3	83	4.9	1	9	6	2	13	0	0	0	0	0	0	0	0	14	17	0	0	5	13	13	0	5	0	2	6	9	5	4	0
		9	1011.6	- 1.7	5.5	1.0	7.6	84	6.1	0	3	7	9	12	0	0	0	0	0	0	1	2	8	20	0	0	8	9	14	0	4	1	3	7	9	1	5	1
		15	1010.9	-	7.0	1.4	8.2	81	6.8	0	0	5	16	10	0	0	0	0	0	0	1	0	9	21	0	1	2	17	11	0	1	2	2	6	11	2	4	3
		21	1010.8	-	5.8	1.0	7.9	84	5.9	1	2	10	3	15	0	0	0	0	0	0	0	0	15	16	0	0	5	11	15	0	5	1	2	8	8	2	4	1
KINLOSS	6	3	1010.6	-	4.9	1.3	7.0	81	5.4	1	5	6	14	5	0	0	0	0	0	0	0	3	5	13	10	0	2	10	18	1	4	0	6	3	8	9	0	0
		9	1010.7	- 2.4	6.2	1.6	7.3	77	6.4	0	2	2	22	5	0	0	0	0	0	0	1	2	6	11	11	0	4	11	15	1	2	3	3	4	9	5	3	1
		15	1010.0	-	8.4	2.2	7.8	71	6.7	0	1	3	18	9	0	0	0	0	0	0	0	4	4	12	11	0	5	19	7	0	5	3	2	5	4	4	7	1
		21	1009.8	-	5.9	1.5	7.3	78	6.2	0	4	3	19	5	0	0	0	0	1	0	0	2	4	13	11	0	3	9	18	1	2	3	5	5	6	6	3	0
LOSSIEMOUTH	6	3	1010.5	-	4.5	1.2	6.9	81	5.1	0	9	3	13	6	0	0	0	0	0	0	0	3	3	13	12	0	3	12	16	0	3	1	6	3	8	8	2	0
		9	1010.6	-	6.0	1.5	7.3	78	6.3	0	2	5	18	6	0	0	0	0	0	0	0	3	3	12	13	0	5	9	15	2	3	1	4	6	6	3	5	1
		15	1009.8	-	8.1	2.3	7.6	70	6.7	0	1	5	16	9	0	0	0	0	0	0	1	2	8	6	14	0	7	14	10	0	4	3	3	3	7	3	6	2
		21	1009.8	-	5.7	1.4	7.3	79	6.1	0	4	3	18	6	0	0	0	0	1	0	1	5	15	9	0	2	14	15	0	3	2	5	2	7	9	2	1
TAYSIDE																																							
USAN	35	9	1012.3	-	5.1	0.7	7.9	88	6.3	0	4	2	13	11	1	1	0	0	0	1	0	0	6	14	9	0	5	12	11	3	6	0	3	0	11	2	5	1
		15	1011.6	-	7.1	1.3	8.2	82	5.8	0	6	4	11	10	0	0	0	0	1	1	2	4	13	10	0	8	17	6	0	5	2	3	3	11	3	4	0
		21	1011.4	-	5.8	0.7	8.3	89	5.4	2	6	3	9	11	0	0	0	0	1	0	2	3	14	11	0	6	17	8	0	5	0	3	2	11	8	1	1
FIFE																																							
LEUCHARS	12	3	1012.3	-	4.3	0.9	7.2	85	5.3	3	4	5	9	9	1	0	1	0	0	0	1	5	4	16	4	0	3	14	11	3	5	3	0	4	2	10	3	1
		9	1012.1	- 1.8	5.4	1.2	7.5	82	6.3	0	4	3	12	11	1	0	1	0	0	0	0	1	4	11	8	7	0	3	14	12	2	5	1	3	1	7	10	1	1
		15	1011.3	-	8.0	2.0	7.8	72	6.5	0	1	7	13	10	0	0	0	0	0	0	1	4	7	12	7	0	7	19	4	1	3	4	2	5	4	6	6	0
		21	1011.1	-	5.7	1.2	7.5	82	5.7	1	5	5	11	9	0	0	0	0	0	0	1	4	10	13	3	0	5	13	10	3	5	1	1	3	7	6	5	0
LOTHIAN																																							
TURNHOUSE	44	3	1012.4	-	4.5	0.9	7.3	86	5.6	2	5	4	10	10	0	0	0	0	2	0	0	5	7	14	3	0	3	12	14	2	3	5	2	1	6	3	7	2
		9	1012.3	- 2.0	5.8	1.2	7.6	82	6.5	0	4	1	14	11	1	0	1	0	0	0	1	5	11	10	3	0	3	11	15	2	3	6	2	0	10	3	5	0
		15	1011.4	-	8.6	2.2	7.9	70	6.5	0	1	6	16	8	0	0	0	0	0	0	0	5	13	9	4	0	2	23	6	0	1	6	3	2	5	7	7	0
		21	1011.3	-	6.0	1.1	7.9	84	5.7	0	7	2	14	8	0	0	0	0	0	0	1	7	11	10	2	0	2	16	12	1	1	4	3	1	8	8	5	0
6 SCOTLAND W STRATHCLYDE																																							
ABBOTSINCH	9	3	1012.1	-	4.8	0.9	7.4	85	5.8	0	6	4	9	12	0	0	0	0	2	0	1	7	9	10	2	0	0	11	18	2	1	5	5	1	9	5	2	1
		9	1011.8	- 2.5	6.0	1.1	7.8	82	6.7	0	2	2	15	12	0	0	0	0	2	0	2	6	10	8	3	0	0	12	19	0	2	4	7	4	6	6	1	1
		15	1010.9	-	8.4	2.1	7.9	71	6.8	0	0	6	14	11	0	0	0	0	0	0	1	5	8	13	4	0	1	19	11	0	2	6	3	2	6	7	4	1
		21	1010.9	-	6.3	1.2	7.9	82	5.5	2	2	8	8	11	0	0	0	0	1	0	0	7	15	7	1	0	2	12	16	1	1	4	4	1	8	7	5	0
GLASGOW WEATHER CENTRE	17 (X)	3	1012.2	-	-	-	-	-	6.2	2	3	3	7	16	0	0	0	1	0	0	0	8	9	11	2	0	0	5	23	3	1	6	4	3	9	4	1	0
		9	1012.1	-	6.1	1.4	7.5	78	6.8	0	3	1	12	15	0	0	0	1	0	0	1	7	9	11	2	0	0	7	23	1	3	6	3	6	8	3	1	0
		15	1011.2	-	8.5	2.4	7.6	67	6.6	0	1	4	14	12	0	0	0	0	0	0	1	2	11	14	3	0	0	8	23	0	4	5	1	6	5	7	2	1
		21	1011.1	-	6.8	1.5	7.8	78	5.8	1	4	4	13	9	0	0	0	0	1	0	0	5	13	9	3	0	0	7	23	1	1	6	3	5	9	5	0	1
MACHRIHANISH	14	3	1011.1	-	5.6	0.8	8.0	87	5.5	2	7	2	7	13	0	0	0	0	0	0	0	7	10	8	6	1	6	9	14	1	2	1	7	2	12	2	3	1
		9	1011.1	-	6.4	1.0	8.3	85	6.6	0	2	3	13	13	0	0	0	0	0	0	3	7	9	6	6	0	7	18	6	0	3	1	5	7	10	3	2	0
		15	1010.2	-	7.7	1.3	8.6	81	6.7	0	1	5	11	14	0	0	0	0	0	2	2	4	8	10	5	2	5	15	8	1	3	1	4	7	5	3	6	1
		21	1010.2	-	6.3	0.9	8.3	86	5.6	1	6	6	6	12	0	0	0	0	0	0	2	4	9	12	4	1	8	12	9	1	1	0	8	4	6	7	3	1
PRESTWICK	21	3	1012.2	-	4.7	0.9	7.5	86	5.7	1	6	2	12	10	0	0	0	0	0	0	0	7	13	9	2	0	2	11	17	1	1	2	5	4	12	4	2	0
		9	1012.1	- 2.1	6.2	1.2	7.8	81	6.8	0	1	3	15	12	0	0	0	0	0	0	1	5	13	10	2	0	1	16	14	0	1	1	5	3	3	10	5	0
		15	1011.1	-	8.2	1.9	8.0	73	6.8	0	0	5	16	10	0	0	0	0	0	0	0	5	15	5	6	0	3	21	6	1	1	1	2	4	3	8	5	7	0
		21	1011.1	-	6.2	1.1	8.0	83	5.9	0	5	6	9	11	0	0	0	0	1	0	0	5	13	10	2	0	4	13	13	1	1	2	2	5	4	10	4	4	0
RHUVAAL	19	3	1010.9	-	6.2	1.2	7.8	81	5.7	1	6	4	4	16	0	0	0	0	0	0	0	3	6	12	10	2	4	1	24	0	2	1	4	2	17	2	2	1
		9	1010.9	-	6.5	1.3	7.9	80	6.5	0	3	4	11	13	0	0	0	0	0	0	0	1	9	10	11	0	4	9	17	1	1	2	3	3	14	1	6	0
		15	1010.1	-	8.0	1.8	8.1	75	6.5	0	2	5	13	11	0	0	0	0	0	0	0	4	6	11	10	2	5	4	8	1	1	2	4	2	1	13	4	1	0
		21	1009.9	-	6.9	1.3	8.2	81	6.0	0	6	4	5	16	0	0	0	0	0	0	0	4	7	9	11	1	4	9	16	1	2	1	5	1	12	6	3	0

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

MARCH 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT OKTAS						VISIBILITY								WIND SPEED AND DIRECTION BEAUFORT FORCE					SPEED (KT)								
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 199M	200 - 399M	400 - 999M	1000 - 1999M	2000 - 3999M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	8 OR MORE	6-7	4-5	1-3	CALM	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																													
6 SCOTLAND W-CONTD. STRATHCLYDE -CONTD.																																							
SLOY	-	3	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	1	10	20	0	0	0	4	19	8	0	3	0	0	7	7	4	2
		9	-	-	5.6	1.1	7.6	83	6.6	0	3	3	7	18	0	0	0	0	0	0	0	6	25	0	0	0	0	29	2	1	1	0	1	10	10	3	3
		15	-	-	7.6	1.8	7.9	76	6.8	0	0	6	8	17	0	0	0	0	0	0	0	2	7	22	0	0	0	1	25	5	1	1	0	0	7	10	3	4
		21	-	-	6.0	1.3	7.7	81	6.3	0	3	7	5	16	0	0	0	0	0	0	0	0	0	0														
TIREE	10	3	1009.5	-	5.8	0.7	8.3	88	6.1	1	4	3	9	14	0	0	0	0	0	0	1	8	5	11	6	2	11	12	6	0	2	3	3	4	14	1	3	1
		9	1009.5	- 3.3	6.6	0.8	8.6	87	6.3	0	2	7	13	9	0	0	0	0	0	0	0	9	7	10	4	1	11	15	4	0	3	3	3	5	11	2	4	0
		15	1008.8	-	7.6	1.2	8.7	83	6.2	0	4	3	12	12	0	0	0	0	0	0	2	7	7	5	10	2	12	14	3	0	4	2	2	6	9	5	3	0
		21	1008.4	-	6.4	0.7	8.6	89	5.6	0	9	3	4	15	0	0	0	0	0	0	1	9	8	8	5	2	11	9	7	2	2	4	2	4	8	7	2	0
DUMFRIES & GALLOWAY																																							
ESKDALEMUIR	237	3	1013.1	-	2.8	0.6	6.9	90	-	-	-	-	-	-	1	0	1	0	0	2	2	7	8	9	2	0	1	12	11	7	6	1	0	1	10	3	1	2
		9	1012.9	- 1.8	4.0	0.7	7.3	89	7.1	0	0	0	5	8	17	1	0	0	1	0	0	1	0	2	3	0	4	12	11	4	6	2	0	4	12	1	2	0
		15	1011.8	-	6.2	1.5	7.6	79	7.0	0	0	0	5	10	16	0	0	0	1	0	0	1	0	3	10	13	3	0	5	16	10	0	4	2	2	3	15	3	2	0
		21	1012.0	-	3.9	0.7	7.3	89	6.2	1	1	9	4	16	0	0	1	0	0	0	1	8	12	8	1	0	1	14	10	6	4	2	2	3	10	2	2	0
2 ENGLAND E & NE NORTHUMBERLAND																																							
BOULMER	27	3	1013.1	-	4.6	0.5	7.8	91	4.9	5	6	3	5	12	0	0	0	0	0	2	3	9	5	9	3	0	3	14	14	0	3	2	2	1	12	4	6	1
		9	1013.1	-	5.5	0.8	8.0	88	6.1	0	1	3	5	16	7	0	0	0	0	0	0	4	9	10	6	2	0	4	13	14	0	4	1	1	6	12	1	5	1
		15	1012.4	-	7.7	1.5	8.4	80	6.6	0	1	6	13	11	0	0	0	0	0	1	2	9	5	8	6	0	4	17	10	0	4	2	3	6	7	2	1	0
		21	1012.2	-	5.8	0.7	8.3	89	5.1	1	9	4	4	13	0	0	0	0	1	1	5	8	5	10	1	0	0	16	15	0	4	3	0	5	12	4	3	0
SEAHOUSES	12	3	1012.8	-	-	-	-	-	4.2	4	9	3	7	8	0	0	0	0	0	1	1	9	10	10	0	0	4	7	20	0	2	4	1	2	10	5	7	0
		9	1012.7	-	-	-	-	-	6.0	0	3	6	13	9	0	0	0	0	0	1	1	9	5	14	1	1	4	12	13	1	3	3	1	2	12	4	5	0
		15	1012.1	-	-	-	-	-	6.2	0	3	7	10	11	0	0	0	0	0	2	3	9	6	6	5	0	5	15	11	0	5	2	2	2	10	5	5	0
		21	1011.8	-	-	-	-	-	5.0	5	6	2	6	12	0	0	0	0	0	1	2	7	6	15	0	0	3	13	13	2	3	2	3	0	12	6	3	0
TYNE & WEAR																																							
NEWCASTLE	72	3	1013.7	-	5.2	0.9	7.7	85	6.2	1	4	4	6	16	0	0	0	0	0	0	2	13	7	8	1	0	0	7	23	1	1	5	2	1	12	2	6	1
WEATHER CENTRE (X)		9	1013.7	-	5.7	1.2	7.6	82	6.1	0	5	4	11	11	0	0	0	0	0	0	1	6	9	11	3	1	0	2	11	18	0	2	3	2	0	17	1	6	0
		15	1012.9	-	8.7	2.4	7.7	68	6.6	0	1	5	13	12	0	0	0	0	0	0	1	10	7	12	1	0	0	18	13	0	2	3	3	2	11	5	4	1
		21	1012.8	-	6.7	1.3	8.1	82	5.6	1	5	5	8	12	0	0	0	0	0	1	3	11	6	10	0	0	0	9	22	0	2	2	4	2	12	6	3	0
TYNEMOUTH	40	3	1014.2	-	5.5	0.8	8.1	88	5.2	4	5	5	5	12	0	0	0	0	0	0	0	8	5	22	4	0	0	4	15	12	0	2	4	1	2	12	2	8	0
		9	1014.0	- 1.0	5.7	0.8	8.1	88	6.2	0	3	8	10	10	0	0	0	0	0	0	0	8	3	19	1	0	1	6	14	9	1	4	2	2	1	12	3	6	0
		15	1013.1	-	8.2	1.8	8.3	77	6.6	0	1	8	7	15	0	0	0	0	0	1	4	7	14	5	0	1	10	14	6	0	4	2	3	3	11	4	4	0
		21	1013.0	-	6.9	1.1	8.4	84	5.3	3	5	5	5	13	0	0	0	0	0	0	3	3	21	4	0	1	8	12	10	0	2	2	4	1	16	2	4	0
NORTH YORKSHIRE																																							
LEEMING	33	3	1014.4	-	4.9	0.8	7.7	88	5.6	0	10	0	6	15	0	0	0	0	0	2	3	9	7	5	5	0	0	11	20	0	7	0	0	9	10	2	2	1
		9	1014.6	- 0.8	5.4	0.9	7.7	86	6.5	0	3	4	11	12	1	0	1	0	0	1	3	10	8	5	2	0	2	15	14	0	5	1	2	12	7	0	3	1
		15	1013.5	-	8.7	2.2	8.0	71	6.8	0	0	5	14	12	0	0	0	0	1	1	2	9	6	7	2	0	2	16	13	0	4	2	1	6	10	5	3	0
		21	1013.5	-	6.5	1.1	8.2	84	6.0	0	5	6	5	15	0	0	0	1	0	0	2	8	7	11	2	0	0	10	21	0	4	1	2	11	7	2	2	2
WHITBY C.G.	66	3	1014.6	-	5.4	0.7	8.1	90	5.0	5	6	3	3	14	0	0	0	0	0	0	1	6	11	9	4	0	0	3	13	13	2	1	4	1	2	9	8	3	1
		9	1014.8	-	5.7	0.6	8.3	90	5.5	0	1	15	5	10	0	0	0	0	0	1	1	8	10	10	1	0	0	2	16	10	3	1	5	1	2	15	1	2	1
		15	1013.8	-	8.2	1.4	8.9	81	6.6	0	0	6	11	14	0	0	0	0	0	1	1	9	4	16	0	1	3	18	8	1	0	4	2	5	10	5	3	1
		21	1013.7	-	6.5	0.8	8.6	88	5.5	3	4	5	4	15	0	0	0	0	0	0	2	9	5	13	2	0	5	12	11	3	0	5	1	1	11	6	3	1
HUMBERSIDE																																							
SPURN POINT	20	3	1015.6	-	5.8	0.7	8.3	89	4.9	4	6	4	4	13	0	0	0	0	0	0	0	5	19	7	0	0	2	17	10	2	2	3	1	2	12	5	3	1
		9	1015.9	-	6.3	1.1	8.1	84	5.7	0	3	7	14	6	1	0	1	0	0	0	2	3	15	7	0	0	3	20	7	1	2	3	1	3	14	3	2	1
		15	1015.0	-	8.5	1.9	8.4	75	6.3	1	2	3	15	10	0	0	0	0	0	1	3	6	15	6	0	0	6	19	5	1	3	3	2	3	10	4	4	1
		21	1014.8	-	6.8	1.0	8.5	85	5.4	0	8	5	5	13	0	0	0	0	0	1	1	4	18	7	0	0	5	17	8	1	3	2	3	2	13	4	2	1
LINCOLNSHIRE																																							
BINBROOK	112	3	1015.4	-	4.3	0.5	7.8	92	5.4	3	6	3	4	15	0	0	1	0	1	1	3	10	9	6	0	0	1	16	14	0	2	3	1	0	13	8	2	2
		9	1015.7	-	5.3	0.7	8.0	89	6.0	0	1	3	6	15	7	0	0	2	0	0	3	6	9	8	0	0	4	19	8	0	4	3	1	3	10	8	2	0
		15	1014.6	-	8.0	1.8	8.2	76	6.8	0	1	3	16	11	0	0	0	0	0	1	1	11	4	14	0	0	4	21	6	0	3	4	1	0	10	8	4	1
		21	1014.6	-	5.8	0.8	8.2	88	6.0	1	3	4	12	11	0	0	0	0	1	1	3	7	11	7	1	0	3	18	9	1	2	3	3	1	9	10	2	0
WADDINGTON	70	3	1015.7	-	4.6	0.5	7.9	91	5.0	3	6	4	7	11	0	0	0	0	1	3	1	8	9	8	1	0	0	13	18	0	4	2	0	4	9	9	1	2
		9	1016.0	+ 0.1	5.7	0.9	8.0	87	6.3	0	3	2	18	7	1	0	0	1	0	2	0	2	9	6	11	0	0	0	23	8	0	1	3	2	3	12	6	1	3
		15	1014.8	-	8.8	2.1	8.2	72	6.6	0	1	7	12	11	0	0	0	0	0	1	6	6	16	2	0	0	3	22	6	0	4	3	1	1	13	6	2	1
		21	1014.9	-	6.3	1.0	8.3	86	5.8	1	5	5	9	11	0	0	0	0	0	1	4	3	9	12	2	0	2	18	10	1	3	2	1	6	8	7	2	1
3 EAST ANGLIA NORFOLK																																							
COLTISHALL	17	3	1016.1	-	5.1	0.8	7.9	87	5.0	3	6	5	6	11	0	0	0	1	2	3	2	5	8	10	0	0	0	11	16	4	2	4	0	4	8	6	2	1
		9	1016.5	-	7.0	1.2	8.4	83	6.5	0	1	4	19	7	0	0	0	0	0	1	1	8	11	7	1	0	0	16	15	0	1	4	1	4	9	7	3	2
		15	1015.5	-	9.4	2.5	8.1	68	6.8	0	0	5	16	10	0	0	0	0	1	2	2	5	8	13	2	0	2	18	11	0	3	4	1	1	11	7	3	1
		21	1015.6	-	6.7	1.1	8.3	84	6.1	1	2	7	7	14	0	0	0	1	0	2	2	5	13	7	1	0	1	16	14	0	1	5	3	2	11	6	3	0
MARHAM	24	3	1016.3	-	4.8	0.3	8.3	94	5.3	4	4	6	4	13	0	0	0	0	1	0	5	7	8	10	2	0	0	12	18	1	2	4	2	6	6	9	0	1
		9	1016.7	+ 0.6	6.4	0.7	8.7	89	6.4	0	2	6	12	10	1	0	0	1	1	1	0	0	4	7	6	9	2	0	0	19	12	0	2	4	2	6	10	5	1	1
		15	1015.5	-	9.3	1.8	9.0	77	6.8	0	0	5	12	14	0	0	0	0	0	0	2	4	9	11	5	0	2	21	8	0	2	5	1	3	12	4	3	1
		21	1015.7	-	6.5	0.7	8.8	89	6.2	0	4	4	12	11	0	0	0	0	1	0	3	3	10	10	4	0	3	12	16	0	1	4	3	5	10	6	2	0
CAMBRIDGESHIRE																																							
WITTERING	76	3	1016.2	-	4.8	0.6	8.0	90	5.1	3	5	6	6	11	0	0	0	0	1	3	2	7	9	7	2	0	0	15	14	2	2	4	1	3	7	8	3	1
		9	1016.4	+ 0.3	5.9	0.9	8.1	87	6.5	0	3	4	11	10	3	0	0	2	1	3	6	7	6	3	0	0	2	20	9	0	4	4	0	2	13	5	3	0
		15	1015.2	-	8.7	2.1	8.2	72	6.5	0	3	1	15	12	0	0	0	0	0	1	1	7	4	12	7	0	4	20	7	0	3	4	1	1	9	6	5	2
		21	1015.5	-	6.4	0.9	8.5	87	5.5	2	5	6	6	12	0	0	0	0	1	2	1	8	7	8	4	0	2	16	12	1	4	2	2	1	10	9	1	1
WYTON	43	3	1016.5	-	5.2	0.6	8.2	91	5.0	4	5	6	6	10	0	0	0	0	1	2	4	8	7	8	1	0	0	10	21	0	2	3	2	2	10	10	0	2
		9	1016.7	-	6.2	0.9	8.2	86	6.7	0	1	4	15	10	1	0	1	2	1	2	3	9	7	5	1	0	0	17	14	0	4	2	1	4	14	4	1	1
		15	1015.5	-	9.5	2.1	8.7	73	7.0	0	1	2	16	12	0	0	0	0	0	0	2	10	3	11	5	0	2	22	7	0	3	4	1	2	14	2	4	1
		21	1015.8	-	6.7	0.9	8.7	87	5.5	3	4	4	9	11	0	0	0	0	2	2	0	6	5	15	1	0	1	13	17	0	4	2	3	4	7	10	1	0
SUFFOLK																																							
ALDEBURGH	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1017.2	-	-	-	-	-	5.1	7	1	5	3	15	0	0	1	0	0	0	1	12	17	0	0	0	0	5	13	11	2	1	5	1	3	10	4	4	1
HONINGTON	51	3	1016.4	-	4.9	0.6	8.1	91	5.7	4	3	2	7	13	2	0	2	0	2	3	3	7	8	6	0	0	0	10	18	3	4	1	2	5	5	9	1	1
		9	1016.8	-	6.3	0.9	8.3	86	6.4	0	2	4	15	10	0	0	0	0	2	1	3	9	8	7	1	0	1	13	17	0	3	3	2	5	9	6	1	2
		15	1015.6	-	9.0	2.2	8.2	72	6.5	0	3	3	12	13	0	0	0	0	0	1	2	8	3	12	5	0	2	20	9	0	4	3	2	4	10	5	2	1
		21	1015.8	-	6.7	1.1	8.4	84	6.0	0	4	4	12	11	0	0	0	1	1	1	1	7	9	11	0	0	1	15	13	2	3	2	1	5	10	6	1	1
WATTISHAM	91	3	1016.7	-	5.0	0.5	8.1	92	5.2	5	5	2	4	14	1	0	1	2	4	0	4	2	10	6	2	0	1	14	16	0	1	4	4	3	8	5	3	3
		9	1017.0	-	6.3	0.9	8.4	87	6.5	0	1	3	20	6	1	0	1	0	0	1	1	5	7	14	1	2	0	2	21	8	0	4	3	3	4	10	5	2	1
		15	1015.9	-	8.6	2.0	8.3	74	6.6	0	2	3	15	11	0	0	0	0	0	2	1	5	10	11	2	0	1	21	9	0	4	3	1	5	10	4	3	1
		21	1016.2	-	6.3	0.8	8.5	87	6.1	0	5	4	7	14	1	0	1	0	1	2	2	7	8	9	1	0	1	18	12	0	2	5	1	4	11	6	1	1
BEDFORDSHIRE																																							
CARDINGTON	30	3	1016.5	-	5.0	0.4	8.3	94	5.0	6	4	3	6	11	1	0	1	0	0	0	3	10	11	6	0	0	0	10	19	2	3	4	3	3	7	9	0	0
		9	1016.7	+ 0.4	6.6	0.8	8.6	88	6.5	0	3	4	10	14	0	0	0	1	1	0	1	4	9	11	4	1	0	0	14	17	0	3	4	4	3	7	9	1	0
		15	1015.5	-	9.5	2.1	8.8	74	7.0	0	0	2	18	11	0	0	0	0	0	0	1	6	12	12	0	0	1	18	12	0	3	5	1	2	12	7	1	0
		21	1015.9	-	6.7	0.7	8.9	89	5.3	1	6	4	11	9	0	0	0	0	0	0	1	10	12	8	0	0	1	12	18	0	3	2	3	4	11	7	1	0

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

MARCH 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT							VISIBILITY								WIND SPEED AND DIRECTION															
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS							0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	BEAUFORT FORCE					SPEED (KT)				N	NE	E	SE	S	SW	W	NW
									MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED										8 OR MORE	6-7	4-5	1-3	CALM	34 OR MORE	22-33	11-21	1-10	0								
									NUMBER OF OBSERVATIONS																																
3 EAST ANGLIA -CONTD.																																							
ESSEX																																							
SHOEBURYNESS	5	9	1017.2	+ 0.7	7.7	1.0	9.2	86	6.3	0	3	5	15	7	1	0	0	1	0	1	6	3	10	10	0	0	0	20	11	0	4	3	2	1	9	8	3	1
		15	1016.2	-	9.5	1.8	9.1	77	6.8	0	1	4	14	12	0	0	0	0	0	0	2	6	8	12	3	0	1	20	10	0	3	5	2	1	8	7	4	1
		21	1016.5	-	7.3	0.9	9.0	87	5.4	0	8	3	11	9	0	0	0	0	0	0	3	6	7	8	7	0	2	13	16	0	3	4	2	2	7	10	1	2
STANSTED	102	3	1016.6	-	4.8	0.4	8.2	93	5.8	3	3	3	8	10	4	0	2	1	4	0	3	4	11	5	1	0	0	11	17	3	3	3	2	4	7	6	3	0
		9	1016.9	+ 0.5	6.4	0.7	8.6	89	6.2	0	3	6	12	9	1	0	1	0	0	4	3	7	4	11	1	0	0	17	13	1	3	4	1	4	9	6	2	1
		15	1015.7	-	8.9	2.1	8.4	74	6.8	0	1	4	13	13	0	0	0	0	0	1	6	6	14	4	0	0	21	10	0	5	2	2	2	10	4	4	2
		21	1016.1	-	6.1	0.8	8.5	88	5.1	2	7	5	8	8	1	0	0	1	0	0	6	6	5	12	1	0	1	10	19	1	3	3	3	3	7	8	3	0
4 MIDLAND COUNTIES																																							
WEST YORKSHIRE																																							
HUDDERSFIELD OAKES	235	3	1014.9	-	3.6	0.6	7.2	89	6.0	3	1	5	6	16	0	0	0	1	1	3	5	4	12	5	0	3	4	5	17	2	6	1	3	2	8	2	4	3
		9	1014.9	-	4.8	0.8	7.5	88	5.9	1	3	6	9	12	0	0	0	2	0	2	1	5	8	7	6	0	0	3	10	17	1	4	4	1	1	4	12	3	1
		15	1014.1	-	7.9	1.9	7.8	73	6.9	0	0	3	18	10	0	0	0	0	1	1	4	2	6	17	0	0	3	15	13	0	3	3	2	5	5	6	5	2
		21	1014.1	-	5.4	0.9	7.8	86	5.9	3	1	3	13	11	0	0	0	0	0	0	5	5	10	11	0	0	7	6	15	3	0	5	0	2	11	5	5	0
WILSDEN	267	3	1014.7	-	3.7	0.5	7.4	91	5.5	3	7	1	4	13	3	0	2	0	1	1	1	8	18	0	0	0	2	13	14	2	2	4	1	3	7	7	5	0
		9	1014.7	-	4.3	0.7	7.4	89	6.2	1	1	8	4	13	4	0	3	1	0	0	2	8	14	3	0	0	3	13	13	2	3	3	2	4	8	5	3	1
		15	1013.7	-	7.0	1.7	7.6	76	6.5	0	1	8	7	13	2	0	1	0	2	0	3	2	19	4	0	0	2	17	11	1	1	4	3	2	8	7	5	0
		21	1013.9	-	5.0	0.8	7.6	87	6.0	0	7	3	7	13	1	0	0	0	1	1	0	9	20	0	0	0	2	13	15	1	2	3	0	5	8	6	2	4
SOUTH YORKSHIRE																																							
FINNINGLEY	15	3	1015.1	-	4.4	0.6	7.8	91	4.9	3	7	4	7	10	0	0	0	0	0	2	3	6	6	6	5	0	1	8	21	1	4	1	2	2	14	4	2	1
		9	1015.4	- 0.3	6.1	1.0	8.1	86	6.5	0	3	3	15	9	1	0	0	0	1	3	3	8	8	8	0	0	1	15	15	0	5	1	1	4	15	3	1	1
		15	1014.2	-	9.0	2.1	8.3	72	6.7	0	1	6	11	13	0	0	0	0	0	0	0	7	10	12	2	0	1	20	10	0	3	3	2	2	14	2	4	1
		21	1014.2	-	6.6	0.9	8.5	87	5.8	1	4	5	11	10	0	0	0	0	0	1	1	8	14	6	1	0	0	16	15	0	4	2	2	3	13	5	2	0
NOTTINGHAMSHIRE																																							
WATNALL	119	3	1015.4	-	4.7	0.5	8.0	92	5.1	2	8	3	6	12	0	0	0	1	0	2	3	9	13	3	0	0	0	12	17	2	3	4	1	2	9	7	2	1
		9	1015.6	- 0.2	5.5	0.8	8.0	88	6.5	0	5	0	14	11	1	0	0	1	1	2	2	3	8	11	3	0	0	0	15	16	0	4	2	3	2	11	7	1	1
		15	1014.3	-	8.5	1.8	8.5	75	7.0	0	1	1	16	13	0	0	0	0	0	1	2	8	10	9	1	0	0	19	12	0	4	3	1	1	12	6	3	1
		21	1014.5	-	6.4	0.9	8.4	86	5.6	1	7	2	8	13	0	0	0	0	1	1	3	8	16	2	0	0	0	15	15	1	4	2	3	4	7	9	1	0
SALOP																																							
SHAWBURY	76	3	1014.8	-	5.1	0.6	8.0	90	5.6	3	1	8	8	11	0	0	0	0	1	3	5	4	3	15	0	0	0	9	20	2	5	0	3	5	7	6	3	0
		9	1015.0	- 0.8	6.2	0.9	8.3	87	6.6	0	1	6	9	15	0	0	0	0	1	1	6	7	4	11	1	0	0	11	20	0	3	3	2	6	6	8	3	0
		15	1013.7	-	9.2	1.8	8.9	76	6.7	0	1	3	17	10	0	0	0	0	0	0	1	9	8	11	2	0	0	21	10	0	0	5	3	2	11	4	5	1
		21	1014.1	-	6.5	0.9	8.5	87	5.7	0	6	4	10	11	0	0	0	0	0	1	4	6	6	14	0	0	0	10	20	1	3	3	3	5	7	7	2	0
WEST MIDLANDS																																							
EDGBASTON	165	9	1015.7	- 0.4	5.5	0.9	7.7	85	6.8	0	2	2	15	12	0	0	0	0	1	-1	1	5	11	10	2	0	0	14	16	1	4	3	1	2	14	3	3	0
		15	1014.5	-	8.4	2.1	8.1	72	7.2	0	0	2	13	16	0	0	0	0	0	0	0	6	15	10	0	0	0	13	18	0	3	2	2	2	12	5	5	0
		21	1014.9	-	6.6	1.2	8.1	81	5.9	1	3	7	9	11	0	0	0	0	0	0	1	7	18	5	0	0	0	10	18	3	1	5	0	2	9	5	5	1
ELMDON	100	3	1016.1	-	4.7	0.7	7.8	89	4.8	1	10	3	10	7	0	0	0	0	0	1	3	9	9	8	1	0	0	8	23	0	3	3	3	5	10	4	2	1
		9	1016.0	0.0	6.0	1.0	8.0	85	6.7	0	1	6	11	12	1	0	0	0	0	1	1	3	8	13	5	0	0	0	12	19	0	3	3	1	5	13	3	2	1
		15	1014.8	-	9.0	2.1	8.3	72	7.0	0	1	3	15	12	0	0	0	0	0	0	1	4	14	12	0	0	1	18	12	0	2	3	3	1	12	7	2	1
		21	1015.3	-	6.4	1.1	8.2	84	5.8	1	5	4	10	11	0	0	0	0	0	0	2	8	11	10	0	0	0	10	21	0	3	4	0	7	7	9	1	0
HEREFORD & WORCESTER																																							
PERSHORE	36	3	1015.7	-	5.2	0.5	8.3	92	5.4	4	3	6	5	13	0	0	1	0	2	0	2	6	12	8	0	0	0	14	16	1	4	2	5	3	7	7	1	1
		9	1015.7	-	6.8	0.8	8.8	88	6.1	0	6	2	12	11	0	0	0	0	0	0	5	6	13	6	1	0	1	18	12	0	2	5	3	3	10	5	2	1
		15	1014.6	-	9.6	1.7	9.4	78	7.1	0	0	2	15	14	0	0	0	0	0	0	2	3	12	11	3	0	2	19	10	0	1	5	1	1	12	8	1	2
		21	1015.0	-	6.7	0.8	8.8	88	6.0	0	6	2	11	12	0	0	0	0	0	0	1	3	12	14	1	0	1	16	12	2	2	4	2	3	6	9	3	0
GLOUCESTER																																							
INNSWORTH	24	3	1015.6	-	6.1	0.8	8.4	87	5.3	3	3	8	7	10	0	0	0	0	0	1	1	10	5	11	3	0	0	6	24	1	4	2	3	3	14	3	0	1
		9	1015.8	-	7.2	1.1	8.6	84	6.4	0	3	4	9	15	0	0	0	0	0	0	3	12	11	4	1	0	0	12	17	2	5	2	0	2	15	4	1	0
		15	1014.6	-	9.7	2.0	9.1	74	6.8	0	1	5	12	13	0	0	0	0	0	0	0	11	11	8	1	0	0	19	12	0	1	5	1	3	11	7	3	0
		21	1015.0	-	7.3	1.0	8.9	86	5.5	1	5	6	10	9	0	0	0	1	0	0	1	9	10	9	1	0	0	9	21	1	4	3	3	3	13	4	0	0
OXFORDSHIRE																																							
BENSON	74	3	1016.5	-	5.6	0.8	8.2	88	5.8	2	5	3	7	14	0	0	0	0	0	0	0	6	4	8	12	1	0	0	14	15	2	2	1	4	5	13	3	0	1
		9	1016.6	-	6.8	1.0	8.5	85	6.3	0	2	5	15	9	0	0	0	0	0	0	0	5	7	7	9	3	0	2	16	13	0	3	4	1	7	11	3	1	1
		15	1015.5	-	9.5	2.3	8.4	71	6.9	0	1	2	16	12	0	0	0	0	0	0	4	2	8	12	5	0	0	2	18	11	0	3	3	3	1	14	4	2	1
		21	1016.1	-	6.8	1.0	8.6	86	5.7	1	4	5	11	10	0	0	0	0	0	0	3	8	6	9	5	0	1	13	16	1	5	1	3	4	12	4	1	0
BRIZE NORTON	92	3	1016.4	-	4.9	0.6	7.9	90	5.2	4	4	4	11	8	0	0	0	0	1	0	5	6	6	12	1	0	0	7	21	3	3	5	5	0	5	7	3	0
		9	1016.5	-	6.3	1.0	8.2	85	6.1	1	4	2	12	12	0	0	0	0	0	2	5	6	8	6	4	0	0	18	13	0	2	4	3	7	7	5	2	1
		15	1015.3	-	9.2	2.2	8.4	72	6.6	0	1	5	15	10	0	0	0	0	0	0	5	7	13	6	0	0	0	21	10	0	1	5	1	1	10	8	3	2
		21	1015.9	-	6.6	1.0	8.5	85	4.7	4	7	3	8	9	0	0	0	0	0	0	3	8	2	14	4	0	0	11	19	1	3	5	1	4	5	9	3	0
5 ENGLAND SE & CENT. S.																																							
GREATER LONDON																																							
HEATHROW	26	3	1016.9	-	5.8	0.6	8.6	91	4.9	4	5	6	5	11	0	0	0	0	0	1	4	10	7	8	1	0	0	9	21	1	4	3	3	5	7	6	2	0
		9	1017.1	+ 0.7	7.5	1.0	8.9	85	6.0	0	5	5	10	11	0	-0	0	0	0	0	6	9	11	5	0	0	0	11	20	0	4	5	2	4	9	5	2	0
		15	1016.1	-	9.9	2.3	8.7	72	6.6	0	2	2	16	11	0	0	0	0	0	0	3	5	6	13	4	0	0	20	11	0	3	4	1	2	14	1	5	1
		21	1016.5	-	7.4	1.0	9.0	86	5.2	2	7	3	10	9	0	0	0	0	0	0	5	8	9	9	0	0	0	6	25	0	6	1	3	5	7	7	2	0
KEW	10	3	1017.0	-	5.7	1.0	8.0	86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1017.2	+ 0.8	7.5	1.5	8.4	80	5.8	0	6	4	11	10	0	0	0	0	0	0	5	7	12	7	0	0	0	8	23	0	3	5	3	3	10	6	1	0
		15	1016.2	-	9.7	2.8	8.2	67	6.6	0	2	4	12	13	0	0	0	0	0	0	3	5	7	12	4	0	0	13	18	0	2	4	2	1	13	4	3	2
		21	1016.6	-	7.2	1.5	8.4	81	5.4	1	8	2	11	9	0	0	0	0	0	0	3	10	6	12	0	0	0	8	23	0	4	4	2	3	10	8	0	0
LONDON WEATHER CENTRE (X)	24	3	1016.8	-	7.0	1.3	8.3	81	5.0	2	7	6	6	10	0	0	0	0	0	1	5	4	9	12	0	0	0	13	15	3	3	1	4	2	6	9	1	2
		9	1017.0	-	7.8	1.6	8.3	77	6.0	0	4	5	12	10	0	0	0	0	0	1	6	3	15	6	0	0	0	14	17	0	6	2	3	5	7	7	1	0
		15	1015.9	-	10.0	2.8	8.0	65	6.6	0	2	3	14	12	0	0	0	0	0	0	2	5	10	12	2	0	2	17	12	0	6	1	2	0	12	7	2	1
		21	1016.4	-	8.1	1.7	8.5	77	5.2	3	5	4	10	9	0	0	0	0	0	0	2	7	9	13	0	0	0	17	12	2	4	2	4	1	10	5	3	0
WILTSHIRE																																							
BOSCOMBE DOWN	128	3	1016.5	-	4.9	0.5	8.2	92	5.3	4	3	7	6	11	0	0	0	0	1	1	2	6	8	12	1	0	0	12	18	1	4	1	5	5	8	4	3	0
		9	1016.6	0.0	6.4	0.7	8.6	89	6.3	0	2	6	12	11	0	0	0	0	1	4	2	4	9	9	2	0	0	19	12	0	3	3	3	5	9	4	3	1
		15	1015.5	-	8.8	1.7	8.8	77	7.0	0	1	1	16	13	0	0	0	0	0	1	0	5	8	10	7	0	3	17	11	0	5	3	1	3	7	7	4	1
		21	1016.1	-	6.0	0.7	8.5	89	5.8	0	4	8	9	10	0	0	0	1	0	0	2	7	5	15	1	0	1	12	18	0	5	2	3	4	6	9	1	1
LYNEHAM	149	3	1016.3	-	5.0	0.6	8.0	90	5.7	2	5	2	11	11	0	0	0	0	0	1	0	13	5	11	1	0	0	11	19	1	4	3	2	4	12	3	2	0
		9	1016.3	- 0.1	6.1	0.8	8.3	87	6.5	0	3	3	12	13	0	0	0	0	3	2	2	4	10	9	1	0	0	19	12	0	2	4	2	4	11	5	2	1
		15	1015.2	-	8.5	1.7	8.7	77	6.9	0	2	0	18	11	0	0	0	0	0	1	0	7	12	7	4	0	0	24	7	0	2	4	0	2	10	8	3	2
		21	1015.8	-	6.1	0.8	8.4	87	5.7	0	4	7	9	11	0	0	0	0	0	1	3	6	10	11	0	0	0	11	20	0	4	4	0	5	7	10	1	0
UPAVON	183	9	1016.6	-	5.9	0.6	8.5	90	6.5	1	2	3	11	14	0	0	0	3	1	0	4	6	6	11	0	0	0	14	17	0	4	4	1	5	10	4	3	0
		15	1015.5	-	8.6	1.6	8.8	78	7.0	0	1	1	16	13	0	0	0	0	0	0	0	7	8	11	5	0	1	19	11	0	4	4	0	2	8	7	5	1
		21	1016.1	-	5.8	0.6	8.5	91	5.3	3	5	4	9	10	0	0	1	0	1	1	1	6	5	14	2	0	1	9	18	3	3	3	1	5	6	9	0	1

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

MARCH 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: DEPRESSION OF WET BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: VAPOUR PRESSURE (MB)	MEAN TEMPERATURE AND HUMIDITY: RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	CLOUD AMOUNT OKTAS: NUMBER OF OBSERVATIONS 0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
5 ENGLAND SE & CENT. S. -CONTD.																																										
KENT																																											
DUNGENESS	7	3	1017.1	-	-	-	-	-	5.2	2	5	8	4	10	2	0	1	0	2	1	0	5	4	18	0	0	2	18	10	1	4	2	2	3	5	6	7	1
		9	1017.6	-	7.7	0.8	9.4	88	6.1	1	2	5	14	8	1	0	0	0	1	1	1	11	11	6	0	0	2	22	7	0	2	5	1	9	8	3	1	0
		15	1016.7	-	-	-	-	-	6.3	0	2	8	9	12	0	0	0	0	0	1	0	11	11	6	1	0	2	22	7	0	3	4	5	5	7	9	7	4
		21	1016.8	-	-	-	-	-	6.1	0	5	4	7	14	1	0	0	0	0	1	1	1	7	9	12	0	0	3	20	8	0	3	5	3	2	5	7	6	0
MANSTON	45	3	1017.1	-	6.1	0.7	8.5	88	5.2	2	5	6	10	8	0	0	0	1	0	3	2	3	5	7	9	3	0	0	2	11	17	1	0	3	2	4	1	1
		9	1017.6	-	7.7	1.0	9.1	86	6.2	0	2	5	15	8	1	0	0	1	0	2	3	8	8	9	6	0	0	21	10	0	2	4	3	4	7	10	4	1
		15	1016.6	-	9.5	1.8	9.1	76	6.3	0	3	6	12	10	0	0	0	0	0	1	3	8	7	6	0	0	6	21	4	0	3	4	2	2	10	5	7	1
		21	1016.8	-	7.0	0.8	8.9	88	5.7	0	6	6	8	11	0	0	0	0	0	3	3	4	11	10	0	0	4	13	14	0	3	4	4	0	11	7	1	1
HAMPSHIRE																																											
SOUTHAMPTON	9	3	1016.7	-	6.8	0.8	8.9	88	5.4	3	4	6	5	13	0	0	0	0	1	1	2	7	9	10	1	0	0	4	26	1	3	5	3	1	3	8	5	2
WEATHER CENTRE (X)		9	1017.0	-	8.0	1.2	9.0	83	6.2	0	4	3	13	11	0	0	0	0	1	0	2	5	6	14	5	1	0	0	11	19	1	1	3	4	3	5	7	3	0
		15	1016.1	-	10.0	2.2	9.0	73	7.0	0	1	5	17	11	1	0	0	0	0	1	2	3	11	14	0	0	0	11	20	0	3	4	1	3	6	7	7	0
		21	1016.4	-	7.9	1.1	9.1	84	5.5	1	5	6	9	10	0	0	0	1	0	1	1	2	8	6	14	0	0	0	5	26	0	4	3	4	2	4	5	9	0
WEST SUSSEX																																											
GATWICK	60	3	1017.0	-	5.2	0.4	8.5	94	5.5	3	3	6	8	10	1	0	1	1	1	2	3	12	6	5	0	0	0	8	20	3	3	3	5	2	5	9	1	0
		9	1017.2	+ 0.6	7.1	0.8	9.0	88	6.3	0	3	5	12	11	0	0	0	0	0	2	1	4	8	8	8	0	0	0	13	18	0	3	3	5	2	7	8	2	1
		15	1016.3	-	9.6	2.0	8.9	74	6.5	0	2	4	12	12	1	0	0	0	0	1	2	7	6	10	5	0	0	1	18	12	0	2	3	2	2	7	10	4	1
		21	1016.7	-	6.8	0.7	8.9	89	5.7	2	4	2	15	8	0	0	0	0	0	2	6	7	6	10	0	0	0	11	19	1	4	4	3	3	5	9	2	0
EAST SUSSEX																																											
HERSTMONCEUX	28	3	1017.7	-	5.6	0.5	8.6	92	5.0	6	2	7	4	12	0	0	0	1	1	1	2	8	9	9	0	0	0	9	17	5	7	1	0	3	6	6	3	0
		9	1018.0	-	7.4	0.8	9.3	89	6.0	0	4	4	15	7	1	0	0	2	0	3	1	7	9	9	0	0	1	15	14	1	6	5	2	2	10	4	1	0
		15	1017.2	-	9.1	1.5	9.3	80	6.5	0	1	7	13	10	0	0	0	0	1	0	2	8	9	8	3	0	2	15	14	0	5	2	2	4	9	8	1	0
		21	1017.5	-	6.7	0.6	9.1	91	5.9	1	3	7	7	12	1	0	1	0	1	0	2	6	11	9	1	0	2	9	16	4	8	3	2	1	8	4	1	0
7A ENGLAND NW & I.O.M.																																											
CUMBRIA																																											
CARLISLE	28	3	1013.3	-	5.0	0.8	7.7	87	6.2	2	3	2	9	14	1	0	0	1	1	0	0	3	11	15	0	0	1	7	21	2	2	4	2	3	11	3	4	0
		9	1013.2	- 1.8	6.2	1.2	7.8	82	6.9	0	1	2	20	8	0	0	0	0	0	0	2	1	12	14	2	0	2	12	16	1	2	4	4	1	12	3	3	0
		15	1012.3	-	8.8	2.2	8.0	71	6.6	0	1	5	15	10	0	0	0	0	0	0	1	4	8	14	4	0	1	19	11	0	0	4	3	2	8	6	5	0
		21	1012.2	-	6.6	1.3	8.0	81	5.9	0	4	7	10	10	0	0	0	0	0	1	0	5	13	12	0	0	0	12	19	0	2	3	3	2	8	7	6	0
LANCASHIRE																																											
SQUIRES GATE	11	3	1014.0	-	5.0	0.5	8.1	92	6.0	2	3	4	10	12	0	0	0	1	0	0	4	6	11	8	1	0	0	15	15	1	3	3	4	6	7	6	1	0
		9	1014.1	- 1.1	6.3	0.9	8.4	87	6.4	0	3	4	14	10	0	0	0	1	0	1	2	6	15	5	1	0	1	19	11	0	1	4	4	10	7	6	1	0
		15	1013.0	-	8.9	1.6	9.0	78	6.2	0	3	6	12	10	0	0	0	0	1	0	1	6	7	15	1	0	1	20	10	0	2	4	2	7	6	6	3	0
		21	1013.1	-	6.3	0.8	8.5	88	5.7	2	3	6	10	10	0	0	0	0	0	2	6	13	10	0	0	0	2	14	14	1	1	2	1	6	7	6	3	0
MERSEYSIDE																																											
SPEKE	24	3	1014.8	-	5.4	0.7	8.1	89	5.4	3	4	4	10	10	0	0	0	0	0	1	3	7	5	9	6	0	0	10	21	0	3	2	4	7	10	2	3	0
		9	1014.9	- 0.6	6.4	0.9	8.4	86	6.3	0	2	5	15	9	0	0	0	0	0	0	2	6	7	9	4	0	1	17	12	1	1	3	2	6	14	1	5	0
		15	1013.7	-	9.5	2.0	8.9	74	6.6	0	2	2	20	7	0	0	0	0	0	0	2	7	7	11	4	0	2	14	15	0	1	3	1	4	10	5	2	0
		21	1014.0	-	6.7	1.0	8.5	85	5.6	2	5	3	11	10	0	0	0	0	0	0	1	7	7	10	7	0	0	12	16	3	2	2	3	6	7	4	4	0
GREATER MANCHESTER																																											
MANCHESTER	42	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEATHER CENTRE (X)		9	1015.4	-	6.6	1.6	7.6	77	6.4	0	2	5	14	10	0	0	0	0	0	0	0	3	10	14	4	0	0	0	6	25	0	2	3	3	2	11	7	3	0
		15	1014.1	-	9.3	2.7	7.6	64	6.7	0	1	4	16	10	0	0	0	0	0	0	0	4	15	11	1	0	0	14	16	1	1	4	3	1	8	8	4	1
		21	1014.4	-	7.4	1.7	8.0	76	5.9	0	2	9	12	8	0	0	0	0	0	0	0	7	17	6	1	0	0	7	24	0	1	6	4	2	6	9	2	1
RINGWAY	84	3	1014.9	-	5.6	1.3	7.4	80	6.0	2	2	5	11	11	0	0	0	0	0	0	1	9	6	15	0	0	0	1	12	18	0	2	4	2	6	13	2	3	0
		9	1015.0	- 0.5	6.5	1.6	7.4	76	6.6	0	1	3	17	10	0	0	0	0	0	0	3	7	15	6	0	0	0	1	18	12	0	2	4	1	5	15	3	1	0
		15	1013.7	-	9.1	2.7	7.7	65	6.8	0	1	3	15	12	0	0	0	0	0	0	2	6	16	5	2	0	0	1	19	11	0	2	4	2	1	12	5	4	0
		21	1014.1	-	6.9	1.5	7.8	77	5.5	0	9	2	8	12	0	0	0	0	0	0	0	9	13	9	0	0	0	1	17	0	1	4	3	3	11	4	4	2	1
ISLE OF MAN																																											
POINT OF AYRE	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1012.8	- 1.6	6.8	1.0	8.5	86	6.7	0	1	6	7	17	0	0	0	0	0	1	0	0	3	8	13	6	7	0	6	17	7	1	2	5	2	5	8	4	3	1
		15	1011.9	-	8.5	1.5	8.9	80	6.4	0	1	8	7	15	0	0	0	0	1	0	0	0	4	6	5	16	0	7	16	8	0	2	3	3	5	8	8	4	0
		21	1012.0	-	6.9	0.9	8.6	86	4.6	2	6	10	2	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RONALDSWAY	21	3	1012.8	-	6.0	0.8	8.3	88	5.5	2	5	4	9	10	1	0	0	1	0	0	2	5	8	11	4	1	3	18	7	2	3	4	3	1	9	6	3	0
		9	1012.9	- 1.8	6.8	1.0	8.5	85	6.4	0	4	2	12	13	0	0	0	0	1	0	3	3	7	10	4	0	5	20	5	1	2	4	5	3	7	7	3	1
		15	1011.9	-	8.1	1.4	8.7	80	6.6	0	0	8	10	12	1	0	0	0	1	0	3	8	8	6	5	0	5	15	11	0	3	5	3	3	7	7	3	1
		21	1012.0	-	6.5	0.9	8.5	86	5.2	0	10	4	6	11	0	0	0	0	0	0	1	7	10	11	2	0	5	17	6	3	1	4	4	1	7	6	4	1
7B WALES N																																											
GWYNEDD																																											
BARDSEY ISLAND	19	3	1013.7	-	7.2	0.5	9.4	92	5.4	4	2	8	4	13	0	0	0	0	0	0	0	4	27	0	0	1	4	15	11	0	4	4	2	3	10	4	4	0
		9	1013.5	-	7.7	0.6	9.5	91	6.8	0	1	3	14	13	0	0	0	0	0	0	0	7	19	5	0	0	1	8	18	7	1	6	0	2	3	9	4	3	0
		15	1012.9	-	8.6	0.7	10.2	90	6.5	0	1	7	10	13	0	0	0	0	0	0	0	7	18	6	0	0	1	8	13	8	1	2	3	5	10	2	3	2
		21	1013.2	-	7.5	0.5	9.6	92	4.8	5	2	12	1	9	2	0	0	0	2	0	0	0	1	25	2	1	0	6	13	11	1	4	4	1	3	9	6	3	0
VALLEY	11	3	1013.3	-	6.9	1.2	8.3	83	5.8	1	5	5	7	13	0	0	0	0	0	0	1	1	5	8	9	14	1	1	7	15	8	0	0	2	5	2	14	4	3	1
		9	1013.3	- 1.5	7.8	1.5	8.4	79	6.5	0	4	3	13	11	0	0	0	0	0	0	2	0	6	13	2	1	11	14	5	0	0	4	3	2	12	3	7	1
		15	1012.5	-	9.1	1.9	8.6	74	6.2	0	3	4	14	10	0	0	0	0	0	0	0	5	11	12	3	2	6	16	7	0	1	4	3	2	12	8	2	0
		21	1012.7	-	7.2	1.2	8.5	83	5.4	1	5	9	7	8	1	0	0	0	3	0	1	7	8	11	1	2	9	8	12	0	3	3	4	2	11	8	0	0
8A WALES S																																											
DYFED																																											
ABERPORTH	134	3	1013.8	-	6.2	0.9	8.2	86	5.7	0	4	9	8	10	0	0	0	0	0	1	0	0	8	11	9	2	1	5	17	8	0	2	3	2	3	11	7	3	0
		9	1013.9	- 1.3	7.1	1.2	8.5	83	6.3	1	2	3	14	11	0	0	0	0	0	0	0	0	8	16	4	3	0	7	19	5	0	3	3	0	0	15	10	4	0
		15	1012.9	-	8.5	1.6	8.8	78	6.9	0	1	3	16	11	0	0	0	0	0	0	0	0	10	13	3	3	0	6	21	3	0	3	3	1	2	10	6	5	2
		21	1013.5	-	7.0	1.2	8.3	82	5.6	2	3	6	12	8	0	0	0	0	0	0	0	1	5	14	8	3	0	7	17	7	0	1	3	1	2	13	7	3	1
BRAWDY	116	3	1014.2	-	6.1	0.7	8.5	89	5.9	2	2	6	9	12	0	0	1	0	1	2	0	2	1	4	15	6	0	0	1	22	8	0	0	2	4	1	7	5	8	4
		9	1014.0	-	7.2	0.9	8.9	87	6.4	1	3	2	13	11	1	0	0	2	0	1	0	1	7	12	7	1	0	4	24	3	0	1	5	0	4	11	6	7	0
		15	1013.1	-	8.4	1.3	9.1	82	6.7	0	1	7	12	11	0	0	0	2	1	1	0	1	8	8	10	1	0	3	20	5	0	1	3	2	4	6	8	6	0
		21	1013.8	-	6.8	0.9	8.7	87	5.5	0	6	4	12	9	0	0	1	2	0	0	1	3	15	8	1	0	3	19	7	2	2	4	4	0	4	6	8	5	0
BRYNAMMAN	-	9	-	-	6.1	0.8	8.3	87	6.8	1	2	1	10	17	0	0	0	0	0	2	4	8	16	1	0	0	0	6	23	2	1	5	4	2	1	6	4	3	0
		15	-	-	8.8	1.8	8.7	77	6.7	0	2	5	8	14	2	2	0	0	0	3	2	2	8	14	2	0	0	2	10	17	2	0	5	1	0	4	7	5	11	4
		21	-	-	6.4	0.9	8.5	87	5.9	1	5	4	8	11	2	1	1	0	0	2	2	2	16	6	3	0	0	0	5	22	4	0	5	0	4	7	7	4	7	0
MILFORD HAVEN C.B.	39	3	1014.4	-	7.1	0.6	9.4	91	5.2	7	2	3	5	14	0	0	0	0	0	0	0	0	16	11	4	3	0	0	3	16	16	12	0	1	4	5	2	3	4	5	7	9	8	3	1
		9	1014.2	- 1.1	7.9	0.7	9.6	89	6.6	0	4	2	9	16	0	0	0	0	0	2	0	0	10	15	3	0	0	0	4	16	10	1	2	4	2	3	2	7	7	6	10	2	3	1
		15	1013.3	-	9.1	1.1	10.0	86	6.5	0	2	7	9	11	2	0	0	0	2	1	0	0	15	10	4	0	0	3	20	8	0	4	2	3	2	6	7	5	1
		21	1013.9	-	7.8	0.7	9.6	90	4.8	5	3	8	3	11	1	0	0	0	1	0	0	0	11	14	5	0	0	1	18	11	1	1	5	3	2	1	8	4	1	1
WEST GLAMORGAN																																											
MUMBLES HEAD	37	3	1015.4	-	6.8	0.5	9.3	93	5.3	5	2	6	4	14	0	0	0	0	0	0	1	0	3	9	16	2	1	0	11	12	7	1	2	4	5	5	5	4	0
		9	1015.3	-	7.3	0.6	9.4	91	7.0	1	2	0	11	17	0	0	0	0	0	1	0	0	9	9	11	1	0	1	6	18	14	6	1	3	3	3	4	3	0	0
		15	1014.2	-	8.8	1.0	9.8	86	6.6	1	0	5	11	13	1	0	0	0	0	0	0	0	9	11	1	0	0	8	14	8	0	1	3	5	3	2	8	5	0	1
		21	1014.8	-	7.7	0.6	9.7	91	5.2	4	3	7	6	8	3	0	1	0	2	1	0	2	5	17	3	0	0	8	16	7	0													

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

MARCH 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: DEPRESSION OF WET BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: VAPOUR PRESSURE (MB)	MEAN TEMPERATURE AND HUMIDITY: RELATIVE HUMIDITY (%)	CLOUD AMOUNT (OKTAS): MEAN	CLOUD AMOUNT (OKTAS): NUMBER OF OBSERVATIONS 0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: NUMBER OF OBSERVATIONS 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
8A WALES S -CONTD.																																										
MID GLAMORGAN																																											
CILFYNYDD	195	3	1015.8	-	5.0	0.7	7.9	89	6.1	4	1	4	3	19	0	0	0	0	0	0	1	30	0	0	0	0	0	0	12	16	3	2	4	1	3	6	5	6	1
		9	1015.7	-	5.7	0.8	8.2	88	7.1	0	2	2	3	24	0	0	0	0	0	1	2	20	8	0	0	0	1	14	14	2	1	7	0	2	11	4	4	0
		15	1014.6	-	8.3	1.7	8.5	77	7.2	0	1	2	6	21	1	0	0	0	1	0	1	20	9	0	0	0	3	15	12	1	0	6	1	3	7	10	2	1
		21	1015.1	-	6.4	1.0	8.3	85	5.9	3	3	3	6	16	0	0	0	0	0	0	0	24	7	0	0	0	0	15	12	4	1	5	1	3	8	5	4	0
SOUTH GLAMORGAN																																										
RHOOSE	69	3	1015.6	-	6.0	0.7	8.5	89	5.5	3	3	6	8	11	0	0	0	1	1	0	0	10	8	11	0	0	0	16	15	0	5	1	5	5	3	6	6	0
		9	1015.7	- 0.4	7.0	0.9	8.7	86	6.7	0	2	3	11	14	1	0	1	0	1	1	2	4	14	7	1	0	1	19	11	0	2	4	6	3	8	3	5	0
		15	1014.4	-	9.2	1.7	9.1	77	6.6	0	3	2	13	13	0	0	0	0	0	1	1	7	13	7	3	0	1	22	8	0	1	5	1	3	9	3	8	1
		21	1015.0	-	7.2	1.0	8.8	85	5.6	1	5	6	7	11	1	0	0	1	0	0	1	7	8	12	2	0	0	22	9	0	1	6	3	3	4	4	9	1
8B ENGLAND SW																																										
AVON																																										
FILTON	61	3	1015.8	-	5.6	0.7	8.2	89	5.5	3	6	2	8	12	0	0	0	0	0	1	1	11	8	9	1	0	0	13	17	1	2	4	4	5	4	6	5	0
		9	1015.9	- 0.4	7.1	1.1	8.6	84	6.3	0	5	2	10	14	0	0	0	0	0	0	6	6	11	6	2	0	0	16	15	0	3	4	2	6	6	6	3	1
		15	1014.8	-	9.1	1.7	9.1	78	6.8	0	1	3	15	12	0	0	0	0	0	1	0	3	16	9	2	0	0	23	8	0	3	3	2	2	7	5	8	1
		21	1015.4	-	7.1	0.9	8.8	86	5.5	3	2	7	10	9	0	0	0	0	1	0	3	7	7	13	0	0	0	13	18	0	1	6	1	4	5	4	10	0
SOMERSET																																										
EXTON	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	5.3	0.4	8.4	93	6.5	0	3	4	5	15	4	0	3	0	2	1	3	10	3	8	1	0	0	12	18	1	3	5	1	0	14	2	4	1
		15	-	-	7.6	1.2	8.7	83	6.7	0	1	6	7	14	3	0	1	1	1	1	2	11	0	10	4	0	2	15	13	1	2	2	4	0	11	2	8	1
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YEOVILTON	23	3	1016.7	-	6.2	0.5	8.9	92	5.5	3	5	3	6	14	0	0	0	0	0	0	3	12	15	1	0	0	0	10	15	6	3	2	3	5	4	4	4	0
		9	1016.8	-	7.7	0.9	9.3	88	6.5	0	1	7	12	11	0	0	0	0	1	0	3	15	10	2	0	0	1	16	10	4	1	3	4	3	8	3	3	2
		15	1015.7	-	10.0	1.4	10.2	82	6.9	0	1	2	14	14	0	0	0	0	0	0	2	13	13	3	0	0	5	16	8	2	2	3	2	3	8	7	3	1
		21	1016.2	-	7.5	0.7	9.4	90	5.5	1	7	4	8	11	0	0	0	0	0	1	1	8	16	5	0	0	1	9	18	3	3	4	2	4	5	9	1	0
DORSET																																										
HURN	11	3	1016.6	-	5.9	0.5	8.8	92	5.2	6	1	5	7	12	0	0	0	0	2	0	4	7	5	13	0	0	0	9	17	5	4	2	2	2	6	7	2	1
		9	1016.8	-	7.7	0.9	9.2	87	6.2	1	2	5	14	9	0	0	0	0	0	2	4	10	7	8	0	0	1	15	14	1	2	4	4	3	9	3	4	1
		15	1016.0	-	9.6	1.8	9.3	77	6.8	0	1	4	11	15	0	0	0	0	0	0	2	9	11	9	0	0	1	18	12	0	3	5	1	4	8	7	2	1
		21	1016.3	-	7.3	0.8	9.2	88	5.5	3	2	9	6	11	0	0	0	0	0	1	2	8	9	11	0	0	1	11	18	1	4	3	3	3	5	10	2	0
PORTLAND BILL-C.G.	54	3	1016.7	-	7.0	0.2	9.8	96	4.9	5	6	4	2	14	0	0	0	0	0	1	1	7	18	4	0	0	3	20	7	1	4	3	3	3	3	6	8	0
		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	1016.1	-	8.5	0.6	10.3	92	6.7	0	1	4	11	13	2	1	1	0	0	1	1	10	12	5	0	1	3	20	7	0	2	3	5	1	6	7	7	0
		21	1016.5	-	7.5	0.4	9.9	94	5.1	3	5	6	5	10	2	1	1	0	1	0	2	8	13	5	0	0	4	22	4	1	2	4	3	4	3	4	9	1
DEVON																																										
EXETER	38	3	1016.0	-	6.4	0.6	8.9	91	5.5	3	3	6	6	13	0	0	0	1	0	0	2	5	8	12	3	0	0	13	17	1	3	3	3	7	9	1	2	2
		9	1016.1	- 0.1	7.7	0.9	9.3	87	6.6	0	3	1	15	12	0	0	0	0	1	1	2	7	10	8	2	0	1	10	20	0	3	5	1	9	9	0	2	2
		15	1014.8	-	9.9	1.6	9.9	80	6.7	0	3	1	12	15	0	0	0	0	0	1	1	9	10	5	6	0	0	20	11	0	0	6	0	8	10	3	3	1
		21	1015.7	-	7.5	0.9	9.2	87	5.4	2	5	5	9	10	0	0	0	0	0	1	0	8	6	11	5	0	0	9	22	0	5	3	1	7	8	5	1	1
HARTLAND POINT	93	3	1014.8	-	7.2	0.8	9.1	88	5.7	1	3	7	8	12	0	0	0	0	0	0	2	5	12	7	5	0	0	8	19	4	0	1	3	3	3	6	5	10	0
		9	1014.8	-	7.8	1.0	9.2	85	6.9	0	2	3	10	13	3	0	2	1	0	0	0	7	14	5	2	0	10	15	5	1	2	2	3	2	7	6	7	1
		15	1013.8	-	9.3	1.4	9.6	82	6.5	0	0	7	17	5	2	1	1	0	0	0	1	6	10	10	2	1	9	14	7	0	2	6	2	0	5	5	9	2
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUNT BATTEN	28	3	1015.8	-	7.3	0.7	9.3	89	5.6	2	5	2	13	8	1	0	0	1	0	0	2	4	18	5	1	0	1	15	13	2	2	4	4	4	4	6	4	1
		9	1015.9	- 0.1	8.2	1.0	9.4	85	6.2	0	3	4	16	8	0	0	0	0	2	0	2	11	10	5	1	0	2	18	10	1	2	2	6	2	6	6	5	1
		15	1014.8	-	9.7	1.5	9.8	81	6.7	0	1	4	16	9	1	0	0	1	0	2	2	3	13	5	5	0	4	18	9	0	1	2	5	2	8	6	6	1
		21	1015.6	-	8.1	0.9	9.4	86	5.5	2	4	6	9	9	1	0	1	0	0	0	2	5	14	8	1	0	1	15	15	0	1	6	2	2	4	9	6	1
PRAWLE POINT	-	3	-	-	-	-	-	-	4.9	5	0	13	2	9	2	1	0	1	0	0	0	11	8	10	0	2	6	17	6	0	2	4	4	2	2	4	13	0
		9	-	-	-	-	-	-	6.2	0	3	8	6	13	1	0	0	1	0	0	0	14	8	8	0	2	8	16	5	0	1	2	5	2	4	5	11	1
		15	-	-	-	-	-	-	6.5	1	1	7	7	12	3	1	2	0	0	1	1	12	8	5	1	3	10	13	5	0	1	1	9	1	4	6	9	0
		21	-	-	-	-	-	-	5.0	5	2	8	5	8	3	3	0	0	0	0	1	6	11	10	0	4	11	13	2	1	1	4	6	0	3	3	13	0
CORNWALL																																										
GWENNAP HEAD	70	3	1015.0	-	7.9	0.9	9.4	87	5.2	4	3	8	4	12	0	1	0	0	1	0	1	5	7	14	2	0	11	15	4	1	1	1	4	4	2	13	5	0
		9	1014.8	-	8.5	1.1	9.5	85	6.5	0	2	6	10	11	2	0	1	1	0	1	0	12	8	6	2	3	7	14	7	0	0	3	3	4	3	11	6	1
		15	1013.9	-	9.2	1.2	9.8	84	6.1	0	2	7	12	8	2	0	1	1	1	1	1	7	11	5	3	3	13	13	2	0	0	5	1	3	2	11	8	1
		21	1014.7	-	8.3	1.0	9.5	86	4.8	4	7	4	7	9	0	0	0	0	0	0	0	5	10	14	2	1	12	13	4	1	0	3	4	2	2	13	5	1
ST MAWGAN	107	3	1015.3	-	6.8	0.8	8.9	89	5.1	3	5	6	8	8	1	0	0	2	0	0	1	9	9	9	1	0	2	18	11	0	2	2	4	6	11	3	3	0
		9	1015.2	- 0.2	7.9	1.0	9.3	86	6.6	0	1	4	17	9	0	0	0	2	0	1	3	6	8	9	2	0	2	22	7	0	1	3	3	4	12	6	1	1
		15	1014.2	-	9.8	1.6	9.7	79	6.5	0	1	6	14	10	0	0	0	0	0	0	4	7	6	10	4	1	5	21	4	0	3	2	0	5	8	6	6	1
		21	1015.1	-	7.9	1.1	9.1	84	5.5	1	4	8	11	7	0	0	0	0	1	0	2	8	7	11	2	0	0	22	9	0	2	3	1	4	12	6	2	1
SCILLY	61	3	1015.3	-	8.5	1.0	9.6	85	5.5	1	5	8	8	8	1	0	1	0	0	1	0	4	15	9	1	0	4	21	4	2	1	3	2	3	5	12	3	0
		9	1015.1	+ 0.1	9.1	1.2	9.8	84	6.5	0	0	8	11	11	1	0	1	0	0	0	2	9	9	7	3	1	5	17	8	0	0	2	4	5	5	10	4	1
		15	1014.5	-	10.5	1.5	10.4	81	6.1	0	3	8	9	10	1	0	1	0	0	1	0	8	11	8	2	1	7	18	4	1	0	4	2	2	8	8	4	2
		21	1015.1	-	8.8	1.1	9.7	85	5.4	2	4	8	6	11	0	0	0	0	0	1	4	18	6	2	0	5	20	5	1	0	1	4	4	6	12	2	1
CHANNEL ISLANDS																																										
GUERNSEY AIRPORT	105	3	1017.7	-	7.2	0.7	9.2	89	5.0	2	5	7	9	8	0	0	0	0	0	0	1	6	9	9	6	0	2	19	10	0	3	2	3	4	9	5	4	1
		9	1018.0	-	7.7	0.7	9.6	90	6.7	0	1	4	15	11	0	0	1	1	0	0	2	6	9	10	2	0	3	20	8	0	2	4	1	5	7	9	3	0
		15	1017.1	-	9.4	1.3	9.8	82	6.2	0	1	6	18	6	0	0	0	0	0	1	9	9	10	2	0	2	21	8	0	2	2	2	4	7	9	5	0
		21	1017.6	-	7.8	0.8	9.4	88	4.7	2	8	4	11	6	0	0	1	0	2	1	0	6	5	12	4	0	1	18	11	1	2	4	3	3	9	4	5	0
JERSEY AIRPORT	83	9	1018.1	-	7.9	0.8	9.5	88	6.2	0	4	3	12	12	0	0	1	0	1	0	2	5	7	14	1	0	1	20	10	0	1	3	4	2	10	7	2	2
		15	1017.1	-	9.9	1.8	9.5	77	5.7	0	3	10	9	8	1	0	0	1	0	0	0	4	7	18	1	0	1	19	10	1	2	2	2	5	10	4	5	0
NORTHERN IRELAND																																										
LONDONDERRY																																										
MONEYDIG	35	9	1010.8	-	5.7	0.9	8.0	86	6.3	0	2	6	13	10	0	0	0	0	0	0	4	3	8	16	0	0	2	9	20	0	4	1	4	0	18	1	3	0
		15	1009.8	-	8.3	1.9	8.2	74	6.1	0	2	9	7	13	0	0	1	0	0	0	5	1	6	18	0	0	5	12	14	0	4	2	4	3	9	4	5	0
ANTRIM																																										
ALDERGROVE	73	3	1011.6	-	5.3	1.0	7.6	84	5.8	1	5	5	8	12	0	0	0	0	0	0	3	3	9	12	4	0	4	15	11	1	1	4	3	4	16	0	2	0
		9	1011.6	- 2.6	6.3	1.2	7.9	82	6.2	0	5	1	19	6	0	0	0	0	1	1	4	12	9	4	0	0	2	21	8	0	2	4	4	2	14	4	1	0
		15	1010.5	-	8.4	1.9	8.2	74	6.8	0	1	3	16	11	0	0	0	0	0	1	4	11	9	6	0	0	2	22	7	0	2	4	2	4	7	8	3	1
		21	1010.6	-	6.1	1.2	7.9	82	5.6	0	4	7	13	7	0	0	0	0	0	0	2	4	5	16	4	0	3	11	17	0	1	4	3	5	10	7	0	1
TYRONE																																										
CARRIGANS	112	9	1010.7	-	6.2	0.8	8.3	87	6.2	0	3	4	13	11	0	0	0	0	0	0	0	11	11	6	3	0	0	11	19	1	4	2	2	9	6	4	2	1
		15	1009.6	-	8.4	1.7	8.6	77	6.4	0	0	9	11	11	0	0	0	0	0	0	0	9	11	6	5	0	1	16	14	0	4	1	3	6	8	7	2	0
		21	1009.8	-	6.1	1.0	8.1	85	5.5	3	4	4	7	13	0	0	0	0	0	0	1	5	17	8	0	0	1	11	16	3	3	1	4	6	9	5	0	0

TABLE 5 NUMBER OF DAYS WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS

MARCH 1977

STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
LERWICK (PSYCHROMETER)	0	4	27	0	0	0	0	0	0	0	0	4	21	6	0	0
LERWICK (SCREEN)	0	4	27	0	0	0	0	0	0	0	0	5	19	7	0	0
STORNOWAY	0	1	24	6	0	0	0	0	0	0	0	2	14	15	0	0
CRAIBSTONE	0	6	21	4	0	0	0	0	0	0	0	6	24	1	0	0
ROTHESAY	0	1	25	5	0	0	0	0	0	0	0	2	17	12	0	0
ABBOTSINCH	0	1	18	12	0	0	0	0	0	0	0	4	15	12	0	0
ESKDALEMUIR (PSYCHROMETER)	0	7	22	2	0	0	0	0	0	0	1	6	22	2	0	0
ESKDALEMUIR (SCREEN)	0	7	20	4	0	0	0	0	0	0	1	6	22	2	0	0
DOUGLAS	0	1	26	4	0	0	0	0	0	0	0	1	17	13	0	0
BOULMER	0	2	18	11	0	0	0	0	0	0	0	4	20	7	0	0
HULL	0	0	12	18	1	0	0	0	0	0	0	2	19	10	0	0
GORLESTON	0	0	15	15	1	0	0	0	0	0	0	1	15	15	0	0

STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
CAMBRIDGE BOTANIC GARDENS	0	1	9	19	2	0	0	0	0	0	1	4	17	9	0	0
EDGBASTON	0	2	17	11	1	0	0	0	0	0	0	0	4	19	8	0
KEW (PSYCHROMETER)	0	0	11	19	1	0	0	0	0	0	0	0	4	14	11	2
KEW (NORTH-WALL SCREEN)	0	0	11	19	1	0	0	0	0	0	0	0	3	11	15	2
HASTINGS	0	0	16	15	0	0	0	0	0	0	0	0	4	6	21	0
SOUTHAMPTON	0	0	7	23	1	0	0	0	0	0	0	0	2	10	19	0
STONYHURST	0	0	25	6	0	0	0	0	0	0	0	0	4	22	5	0
VALLEY	0	0	13	18	0	0	0	0	0	0	0	0	0	10	21	0
RHOOSE	0	0	16	14	1	0	0	0	0	0	0	0	2	13	16	0
FALMOUTH	0	0	9	21	1	0	0	0	0	0	0	0	3	9	19	0
ALDERGROVE	0	0	18	13	0	0	0	0	0	0	0	0	2	22	7	0
ARMAGH	0	0	16	15	0	0	0	0	0	0	0	0	2	19	10	0

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

MARCH 1977

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED							MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT	HOURS OF NO RECORD		HOURLY WIND			GUST				
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS						YEAR FROM N	SPEED-KT	DAY	HOUR BEGINNING	YEAR FROM N	SPEED-KT	DAY	TIME
0 SCOTLAND N																					
SHETLAND	LERWICK		93	10 10	3 4 30 31	21	14	137	372	183	31	0	15.3	190	41	31	03	190	61	31	0342
ORKNEY	KIRKWALL AIRPORT		41	15 10	3 5	14	14	139	386	172	33	0	15.1	270	40	3	06	260	63	3	0430
WESTERN ISLES	BENBECULA		16	10 10	8-10 15 30	16	19	170	399	135	24	0	16.7	170	37	9	00	170	55	8	2030
	STORNOWAY		12	10 10	5 8 30 31	22	18	146	388	172	16	0	16.0	190	38	30	11	190	57	30	1112
HIGHLAND	DALCROSS		19	10 10	31	1	9	66	379	211	81	6	12.1	190	36	31	03	190	61	31	0318
	DOUNREAY		34	12 9	5 31	3	15	102	288	278	73	0	12.4	290	36	5	12	290	56	5	1312
	DUIRINISH		38	20 17	DEFECTIVE RECORD																
	FORT AUGUSTUS		58	16 16		0	2	2	242	358	142	0	8.4	130	22	15	18	130	45	15	1824
	WICK		45	10 10	3 5	9	12	79	418	211	27	0	13.9	270	45	5	12	280	67	5	1242
1 SCOTLAND E																					
GRAMPIAN	ABERDEEN																				
	DYCE AIRPORT		68	10 10	30 31	3	11	52	297	311	81	0	11.0	170	35	31	07	170	51	31	0548
	FRASERBURGH		29	13 11	3-5	21	13	94	350	250	29	0	14.1	270	44	5	14	270	63	5	1400
	KINLOSS		18	13 13	5	1	10	58	342	280	63	0	11.8	260	35	5	11	190	58	31	0312
	LOSSIEMOUTH		17	10 10		0	13	78	315	276	75	0	11.9	140	33	15	19	270	55	5	1324
TAYSIDE	BELL ROCK		39	40 38	2-5 9-11 15 30 31	47	23	281	312	83	21	0	20.1	160	41	15	20	250	53	3	0648
	MYLNEFIELD		40	10		0	1	3	218	337	173	13	8.2	270	24	5	11	260	42	5	1112
	TUMMEL BRIDGE		161	16 16		0	1	1	116	397	223	7	6.3	270	22	3	12	270	43	4	1406
FIFE	LEUCHARS		25	13 13	3-5	11	13	77	415	181	60	0	13.4	260	35	5	13	250	53	4	1148
LOTHIAN	EDINBURGH																				
	TURNHOUSE AIRPORT		43	13 10	31	2	10	77	386	213	66	0	12.7	190	35	31	05	190	57	31	0500
	ROYAL OBSERVATORY, BLACKFORD HILL		159	10 10	2 4 8 9 15 30 31	28	21	193	322	129	41	31	17.7	190	48	31	05	190	72	31	0336
	FORTH ROAD BRIDGE		72	72	2-5	28	11	70	332	215	99	0	12.8	270	42	4	13	260	58	3	1354
6 SCOTLAND W																					
STRATHCLYDE	ABBOTSINCH AIRPORT		16	10 10		0	8	23	314	299	108	0	10.1	270	26	4	12	270	41	4	0742
	ARDROSSAN		24	20		0	14	111	423	193	14	3	14.2	280	33	4	09	170	50	31	0336
	DUNSTAFFNAGE		13	10 10		0	11	93	345	223	78	5	12.4	150	32	31	01	240	53	4	0436
	GREENOCK PORT		51	49		0	10	68	369	209	92	6	12.3	200	29	31	01	200	58	31	0106
	INCHTERF		55	15 12		0	4	18	290	306	130	0	9.5	240	26	3	10	250	45	4	1212
	LOWTHER HILL		754	27	3-5 7-11 13 15 17 18 30 31	146	26	257	196	66	42	37	23.9	180	62	15	19	200	82	10	2236
	MACHRIHANISH		22	12 12	9 10 15 30 31	24	17	141	351	207	21	0	15.5	170	44	30	23	170	60	30	2336
	PAISLEY		57	25 9		0	8	25	219	272	159	69	9.1	180	25	31	02	180	51	31	0236
	PRESTWICK AIRPORT		21	10 10	31	1	11	70	346	265	62	0	12.1	200	34	31	04	200	61	31	0442
	TIREE		24	16 12	9-11 15 30 31	38	21	245	342	108	11	0	18.8	130	43	15	16	130	60	15	1618
DUMFRIES AND GALLOWAY	ESKDALEMUIR		259	10 10	17	1	8	74	325	199	145	0	11.3	180	34	17	13	180	55	17	1306
	WEST FREUGH		25	10 10		0	7	51	336	270	44	43	11.8	190	30	31	03	190	47	31	0330
2 ENGLAND E & NE																					
NORTHUMBERLAND	BLYTH		19	10 10	5	4	12	90	310	288	24	28	12.8	290	36	5	14	290	56	5	1354
	BOULMER		33	10 10		0	8	42	366	271	65	0	11.7	250	31	5	10	250	51	5	1036
TYNE AND WEAR	SOUTH SHIELDS		22	17 13	5	3	11	86	308	291	56	0	12.0	300	35	5	12	290	52	5	1236
CLEVELAND	SOUTH GARE		22	14 15	2-4 28 31	13	21	198	367	125	28	13	16.9	280	42	4	10	280	55	4	1012
DURHAM	DURHAM		119	16 10	5	1	6	21	321	243	105	53	10.2	290	34	5	14	280	58	5	1318
NORTH YORKSHIRE	LEEMING		42	10 10		0	7	26	322	335	61	0	10.9	270	28	4	08	260	51	3	0200
	LINTON-ON-OUSE		23	9 10		0	4	17	269	376	60	22	9.9	270	29	4	10	270	51	4	0954
	SILPHO MOOR		207	15 9		0	2	3	224	294	223	0	7.6	160	23	15	19	270	53	4	1118
LINCOLNSHIRE	BINBROOK		118	10 10		0	14	93	414	214	23	0	14.1	290	33	4	12	270	50	9	2218
	CONINGSBY		16	10 10		0	9	20	378	282	64	0	11.0	220	27	9	21	350	52	28	1324
	CRANWELL		68	13 13		0	14	86	448	198	12	0	13.9	250	32	9	21	260	47	9	2154
	SCAMPTON		68	10 10		0	8	21	414	282	12	15	11.9	270	28	9	22	290	43	4	1130
	WADDINGTON		80	10 10		0	8	44	456	235	9	0	13.2	240	29	9	21	280	47	4	1024
3 EAST ANGLIA																					
NORFOLK	COLTISHALL		27	10 10		0	6	15	382	273	74	0	10.7	230	26	9	22	230	46	9	2142
	GORLESTON		16	13 13	15 31	3	17	120	364	203	13	41	14.6	180	36	31	17	010	55	28	1500

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED								HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT			HOURLY WIND				GUST			
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS				HOURS OF NO RECORD	MEAN HOURLY WIND SPEED (KT)	VEER FROM N	SPEED-KT	DAY	HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY	TIME
3 EAST ANGLIA - CONTINUED																				
	MARHAM	29	10	10		0	5	17	378	300	49	0	11.2	220	25	9	21	020	44	28	1224
CAMBRIDGESHIRE	WITTERING	83	10	10		0	6	44	441	214	45	0	12.7	280	33	4	11	280	53	4	1142
	WYTON	45	10	10		0	6	13	365	333	33	0	10.9	290	25	4	12	220	42	9	2006
SUFFOLK	HONINGTON	60	13	13		0	6	16	364	303	61	0	10.9	270	26	4	11	350	44	28	1424
	WATTISHAM	105	17	10		0	7	27	435	257	25	0	12.1	230	27	14	12	240	47	14	1536
BEDFORDSHIRE	BEDFORD	94	13	9		0	8	27	327	339	51	0	11.0	300	28	4	12	290	41	4	1112
	CARDINGTON	70	41	41		0	13	58	379	260	47	0	12.6	180	32	9	20	040	45	28	1242
HERTFORDSHIRE	GARSTON	94	15	10		0	0	0	124	510	110	0	7.0	230	17	9	19	260	43	9	1954
	ROTHAMSTED	141	13	10																	
ESSEX	SHOEBURYNESS	17	14	12		0	5	14	370	329	31	0	11.0	190	27	31	15	220	39	9	1936
	STANSTED	108	10	10		0	2	2	337	367	38	0	10.2	240	22	9	20	240	43	14	1448
4 MIDLAND COUNTIES																					
SOUTH YORKSHIRE	FINNINGLEY	19	10	10		0	4	17	312	356	59	0	10.4	280	33	4	10	280	48	4	1042
	SHEFFIELD UNIVERSITY	146	29	15		0	3	19	319	307	99	0	10.0	300	30	4	15	300	61	4	0848
NOTTINGHAMSHIRE	WATNALL	133	16	10		0	1	4	371	308	61	0	10.5	270	25	4	11	270	48	4	1142
STAFFORDSHIRE	KEELE	215	15	10		0	0	0	202	402	140	0	7.8	340	19	4	11	190	48	15	1430
SALOP	SHAWBURY	84	12	10		0	4	7	291	377	69	0	9.7	260	24	3	09	210	38	17	1300
WEST MIDLANDS	BIRMINGHAM EDGBASTON	196	36	22		0	2	4	287	365	88	0	9.2	180	22	15	14	200	42	11	0124
	ELMDON AIRPORT	104	10	10		0	3	11	297	368	68	0	9.8	300	25	4	11	300	47	4	1200
HEREFORD & WORCS	PERSHORE	47	10	10		0	7	35	387	270	52	0	11.7	250	29	9	19	250	45	9	1930
OXFORDSHIRE	BENSON	60	10	10		0	7	38	373	281	52	0	11.5	180	29	9	17	180	51	9	1742
	BRIZE NORTON	91	13	10		0	2	4	332	355	53	0	10.3	010	23	28	11	240	38	14	1430
	OXFORD					0	9	47	364	261	38	34	12.3	210	29	4	02	200	49	9	1906
5 ENGLAND SE & CENTRAL S																					
GREATER LONDON	HEATHROW AIRPORT	34	10	10		0	2	4	285	414	41	0	9.6	360	23	28	14	210	38	9	1848
	KEW	28	23	15		0	1	1	285	372	86	0	9.2	210	23	9	18	010	45	28	1406
	LONDON WEATHER CENTRE	93	70	38		0	4	8	387	320	29	0	11.2	350	23	28	13	010	45	28	1548
	POST OFFICE TOWER		174		15 16	6	21	259	384	66	0	29	19.1	200	35	15	19	250	49	14	0218
WILTSHIRE	BOSCOMBE DOWN	130	17	17		0	6	17	384	317	26	0	11.5	160	24	15	15	180	36	15	1312
	LARKHILL	145	13	10		0	3	10	339	362	33	0	10.5	040	25	21	09	200	41	9	1700
	LYNEHAM	159	14	11		0	4	4	357	353	30	0	10.9	240	26	9	18	250	46	9	1830
	PORTON	120	10	10		0	7	31	358	309	46	0	11.4	200	25	15	22	190	42	15	2200
KENT	DUNGENESS	16	10	10		0	12	73	499	159	13	0	14.2	210	32	31	21	240	50	14	0512
	ISLE OF GRAIN	15	12	10		0	7	30	356	305	53	0	11.2	230	26	14	12	210	44	9	1942
	DOVER	27	21	18	14 31	18	19	116	406	148	47	9	15.3	240	42	14	12	230	56	14	0300
	MANSTON	62	18	18		0	14	100	389	227	28	0	13.5	220	31	14	12	220	51	14	1336
HAMPSHIRE	CALSHOT	15	13	10		0	14	91	415	219	19	0	13.8	200	33	15	23	200	46	15	2306
	FARNBOROUGH	75	10	10		0	2	2	263	384	95	0	9.0	200	23	9	17	250	39	14	0500
	MIDDLE WALLOP	94	10	10		0	7	28	371	282	62	1	11.1	170	26	15	13	190	45	15	2148
WEST SUSSEX	GATWICK AIRPORT	69	10	10		0	3	7	295	373	69	0	9.8	210	25	9	18	220	49	9	1900
	THORNEY ISLAND	16	10	10	DEFECTIVE RECORD																
7A ENGLAND NW & I O M																					
CUMBRIA	CARLISLE	41	13	9		0	7	24	350	270	100	0	10.2	260	26	4	02	240	47	2	2106
	GREAT DUN FELL	857	10	10	2-5 7-11 14-22 27 30 31	213	27	321	145	61	4	0	27.0	260	52	4	15	260	70	4	1436
	MOOR HOUSE	595	13	12	3-5 31	22	22	180	335	162	30	15	16.7	270	38	4	15	270	55	4	1512
	SELLAFIELD	25	12	11		0	4	11	270	387	67	9	9.8	140	26	15	16	140	40	15	1630
LANCASHIRE	FLEETWOOD	34	15	9		0	7	42	377	294	31	0	12.0	280	26	9	20	140	49	15	1654
	SQUIRES GATE AIRPORT	22	12	11		0	3	18	387	304	35	0	11.2	220	25	31	23	160	37	15	1530
MERSEYSIDE	AIGBURTH	38	23	11		0	6	39	322	314	69	0	10.8	230	26	2	16	280	48	4	0354
	SPEKE AIRPORT	30	10	10		0	5	20	302	351	71	0	10.0	290	26	9	19	290	43	4	0354
GREATER MANCHESTER	MANCHESTER RINGWAY AIRPORT	80	10	10		0	6	31	379	289	45	0	11.4	180	26	31	07	290	46	9	2012
	WEATHER CENTRE	82	45	17		0	1	2	249	405	59	29	9.1	290	22	4	10	220	43	17	1542
ISLE OF MAN	POINT OF AYRE	20	10	10	31	3	18	131	435	153	22	0	15.3	180	34	31	04	180	53	31	0336
	RONALDSWAY	25	10	10	31	7	14	104	440	146	47	0	14.5	180	38	31	05	180	53	31	0100
7B WALES N																					
GWYNEDD	VALLEY	26	16	12	10 15 30 31	32	19	198	331	164	19	0	17.4	160	43	15	15	160	61	15	1448
8A WALES SOUTH																					
DYFED	ABERPORTH	144	10	10	10 15 31	10	18	133	473	111	17	0	16.3	180	37	31	03	170	60	10	1430
	BRAWDY	121	10	10	15	1	10	66	511	135	31	0	14.6	170	34	15	12	170	52	15	1230
	MILFORD HAVEN	47	10	10		0	9	51	464	203	26	0	13.3	160	32	15	12	170	54	15	1306
WEST GLAMORGAN	PORT TALBOT	28	12	11		0	6	17	364	270	93	0	10.4	250	28	14	01	250	50	14	0100
MID GLAMORGAN	CILFYNYDD	210	16	16		0	6	26	386	227	105	0	10.9	240	29	31	16	250	50	2	2242
SOUTH GLAMORGAN	RHOOSE AIRPORT	74	10	10		0	5	12	460	239	33	0	11.7	170	28	15	14	260	45	9	1642
8B ENGLAND SW																					
AVON	AVONMOUTH	28	19	10		0	9	38	364	289	53	0	11.6	200	31	9	16	260	49	9	1706
SOMERSET	YEOVILTON	22	12	10		0	6	35	327	290	87	5	10.7	210	30	31	14	190	53	15	1912
DORSET	HURN AIRPORT	23	13	11		0	3	13	347	313	71	0	10.4	200	26	15	22	200	43	31	1700
	PORTLAND BILL CG	60	13	13		0	11	70	460	161	22	31	13.9	260	31	14	05	240	47	14	0112
DEVON	MOUNT BATTEN	64	13	13	15	3	9	64	420	198	59	0	12.8	190	37	15	17	190	57	15	1736
CORNWALL	CULDROSE				15	4	13	81	460	165	34	0	14.1	170	38	15	12	170	60	15	1200
	LIZARD	96	23	18	9 10 13-15	29	19	208	402	75	30	0	18.1	180	46	15	12	270	68	14	0300
	ST MAWGAN	120	13	13	15	4	12	63	486	162	29	0	14.4	170	36	15	13	170	56	15	1300
	SCILLY(ST MARYS)	70	20	17	9 10 14 15	16	20	199	393	95	39	2	17.1	170	41	15	11	170	64	15	1106
CHANNEL ISLANDS																					
	GUERNSEY AIRPORT	111	11	10		0	6	35	482	206	21	0	12.8	250	28	14	04	210	52	13	2306
	JERSEY AIRPORT	94	12	10		0	4	24	451	234	35	0	11.9	250	26	14	03	250	49	14	0324
NORTHERN IRELAND																					
LONDONDERRY	COLERAINE UNIVERSITY	33	10	10		0	4	16	253	364	104	7	9.3		27	10	14	160	38	15	1506
ANTRIM	ALDERGROVE	80	10	10		0	8	61	385	274	24	0	12.7	160	32	10	11	150	51	15	1318
	BALLYPATRICK FOREST	166	13	13		0	11	49	402	259	27	7	12.7	170	30	10	13	170	59	10	1354
	BELFAST HARBOUR	21	18	18	10 15	4	16	100	361	216	63	0	13.5	170	36	10	14	170	58	10	1436
DOWN	KILKEEL	36	19	14		0	6	33	374	266	59	12	11.3	130	29	10	13	120	47	10	1324
	ORLOCK HEAD	51	16	12	2 3 10 15 30 31	24	23	222	406	79	5	8	18.3	170	43	31	03	170	66	31	0354
TYRONE	CARRIGANS	129	10	10		0	3	15	272	351	106	0	9.5	130	28	15	14	130	50	15	1424
FERMANAGH	CASTLE ARCHDALE FOREST	79	13	13		0	5	19	307	318	76	24	10.5	160	28	10	11	200	57	15	1742

TABLE 3 ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)											BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY		PRECIPITATION		SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE	0.2 MM OR MORE	1.0 MM OR MORE													
1976	JANUARY	MYLNEFIELD		1.1	3.9				-3.9	2															6					
		DUNDEE		1.7					-2.7	2,10															6					
		ARBROATH		2.1					-2.9	2															6					
1976	FEBRUARY	EAST DEREHAM	7.3	1.2	4.3		15.5	25	-2.4	7			15		5	12	8	4	0	5	0	0	0	9	13	17		0			
		CEINWS	7.7	1.3	4.5		13.0	29	-4.0	14			62	40	18	24	13	12						2	9	16					
	AUGUST	DALL											5	6	3	12	6	1	0	0	0	0	0	-				1			
		USK	25.2				31.7	25			19.1		51	59	48	30	3	2	0	0	0	0	0			1		0			
	SEPTEMBER	BALMACARA	15.5	9.2	12.3		19.8	20	2.1	12			63	38	26	8	17	12	0	0	0	0	0		0			0			
		DALL	14.2	6.4	10.3		18.6	4	-0.5	11			89	84	30	21	17	13	0	0	0	0	0		1			0			
	OCTOBER	DALL	10.7	4.1	7.4		15.5	11	-1.5	5			210	166	32	6	26	22	0	0	0	0	0	0	4			1	3.02	158	S
1976	NOVEMBER	ABERDEEN																													
		SOMERSET FOREST	9.3		5.8																										
		BALLYPATRICK FOREST	8.4		5.5																										
		STORMONT CASTLE				-																									
		COOKSTOWN	8.3		4.8																										
		LOUGH NAVAR FOREST												80																	
	DECEMBER	STORNOWAY		1.5																											
		NAIRN											(22)	(41)	(5)	3	15	8													
		TOMATIN		-3.4	-0.9																										
		GREYCROOK									2.8																				
		KELSO	3.2		0.8																										
		STANHOPE FARM							-11.4	3,4																					
		GIRVAN																								24					
		GREENOCK											133	76			17	17													
		MILLPORT											(72)	(60)																	
		COCKLE PARK											76		17	16	19	13													
		REDESDALE											(69)		(13)	16	(21)	(15)													
		STONEHAUGH															18	14													
		HARTLEPOOL											65	132																	
		ASKHAM BRYAN											(58)	(121)	13	31	(18)	(12)													
		MALHAM TARN				-2.5										7	(22)	(17)													
		YORK (HESLINGTON)											56	117			19	13													
		CAISTOR											56					14													
		LUTON	(3.8)	(-0.7)	(1.5)				-7.0																						
		HARLOW	5.0	-0.8	2.1		9.4	31	-7.0	29		7.5	69	126	14	31	13	10	2	4	0	0	2	3	19			0	1.59		
		NEWTHORPE								3,4,30																					
		SUTTON BONINGTON			1.8	-2.3																					20				
		RUGBY														31	(11)	(11)													
		HAMPSTEAD																							19						
		HARROW WEALD																													
		SOUTHGATE				-2.1																									
		WADDON												(124)																	
		FOLKESTONE												85																	
		GILLINGHAM											70	125			14	12													
		HAYLING ISLAND												139																	
		NORTH HEATH	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		
		ROGATE													21	31	12	11													
		NEWTON RIGG															(19)	(16)		13											
		SELLAFIELD											69	66	10	5	14														
		SPEKE AIRPORT											70				18	13													
		TRAWSFYNYDD											98	51			18	15													
		CORWEN											102	87																	
		SWANSEA												(78)																	
		NEWPORT (GWENT)													14	31	15	13											1.46		
		HAWKRIDGE																													
		CULDROSE												125																	
		ELLBRIDGE															19	14													
		FALMOUTH																							4	12					
1977	JANUARY	CLEETHORPES											(71)	(132)			(16)	(13)													
	FEBRUARY	CLEETHORPES											(90)	(195)			(18)	(16)													

Averages for 1941-70 were brought into use on 1-1-1974. Additions or corrections for months prior to this date refer to the averages in use at the time.

(x) Urban rooftop site.

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THE METEOROLOGICAL OFFICE

MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

MET.0.908 UDC 551 506 1(41-4)

APRIL 1977

VOLUME 94 NUMBER 4

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Cool, changeable and rather windy.

A depression moved across northern Scotland on the 1st, and on the 2nd and 3rd parts of southern England were affected by a wave depression crossing northern France. An anticyclone to the west then extended a ridge across the British Isles, but on the 6th a cold front moved south across all districts, followed by a cold, northerly airstream. A small depression moved southwards from the Western Isles to Scilly on the 8th. Subsequently, between the 9th and the 13th, a series of fronts and intervening ridges crossed all areas from the north-west. An anticyclone then moved from the Atlantic to south-west Ireland, crossed southern England on the 15th and reached northern France on the 16th. On the same day, northern districts were affected by the fronts of a depression moving eastwards between Orkney and Shetland, and on the 17th the cold front moved south across all areas. A ridge of high pressure followed, and a centre which formed over eastern England on the 18th moved away to the south-east on the 19th. Fronts from the Atlantic then affected all districts from time to time, and on the 28th a deep trough of low pressure crossed the British Isles, its associated depression moving slowly across Scotland on the 29th and 30th.

Weather

April was generally cool, with gales in exposed places, outbreaks of rain or showers, and occasional thunderstorms, but there were also sunny intervals. The showers were sometimes wintry; snow or sleet fell in most districts between the 7th and the 9th, and there were some heavy falls over high ground in Scotland. Fog was widespread at times on coasts and hills in south-west England and Wales in the second half of the month, but seldom formed elsewhere.

Wind

Winds were frequently fresh or strong in the west and north and reached gale force on exposed coasts and hills on the 1st and 2nd, at the end of the first week and on the 12th and 13th. On the 1st, the high-level stations at Snaefell (Isle of Man) and Lowther Hill (Strathclyde) recorded gusts of 88 and 74 kt respectively. Gales also occurred at times between the 22nd and the 27th. Wind directions were mainly west to north-west during the first half of the month, but were northerly around the end of the first week. Directions were rather variable in the third week, but became mainly south-westerly from the 20th, although western and northern districts had north-westerly winds at the end of the month.

Temperature

Monthly mean temperatures were below average in all districts, but were not more than 1°C below in many places along the coastal strips of England, North Wales and eastern Scotland, and also in southern Scotland, extreme northern England and Northern Ireland. Values were between 1 and 2°C below normal in almost all other districts.

In parts of northern Scotland mean temperatures for April were lower than those for the previous month. Most places recorded their monthly minima between the 8th and the 10th, the temperature falling to -7.7 °C at Santon Downham (Norfolk) on the night of the 9th/10th; but in northern Scotland lowest temperatures for the month mostly occurred between the 17th and 19th. Daytime temperatures were generally around or below average, although it was sometimes rather warm along eastern and southern coasts. The highest temperatures of the month occurred on the eastern side of England, where Hull (Humberside) recorded 18.6 °C on the 22nd. On the 25th, the temperature reached 18.5 °C in Cambridge and several places had maxima of at least 18 °C.

Rainfall (including melted snow)

Monthly rainfall totals were above average in North Wales, and from the north-west Midlands, along the Pennines, to the Border. Totals were also above average in Northern Ireland, except in the south-east, and over Scotland, other than in the eastern coastal regions from the Border to Tayside. Amounts exceeded 150 per cent of normal over the north-west Highlands and in the Moray Firth area, some places on this coast recording twice their usual rainfall for the month. Almost all remaining areas had less than average rainfall and some places along the south coast of England and in south-east Scotland recorded less than half their normal amount of rain for April. Outbreaks of rain or showers were frequent during the month and were wintry in many districts. Hail lay to a depth of 1 cm, with 'drifts' to 10 cm, after a heavy hailstorm at Long Lawford (Warwickshire) on the 1st. Thunderstorms occurred from time to time, particularly in central and eastern districts of England at the end of the month.

Snow

Showers of snow or sleet, which occasionally fell during the first week, became widespread between the 7th and the 9th and were reported as far south as the Channel Islands. Maximum snow depths for the month occurred during this period; undrifted depths of 10 to 17 cm were measured in the higher Scottish mountains, and of 6 to 9 cm in northern England. Scattered snow or sleet showers continued to occur, mostly in northern districts, until the 17th and at times between the 23rd and the end of the month. The snow did not lie for long, except on the slopes of the higher mountains, but the occurrence of snow or sleet was noted on an unusually high number of days over high ground in Scotland and in the Northern Isles: the number of days of snow or sleet at Kirkwall (Orkney) was the greatest since continuous records began in 1946, and at Lerwick (Shetland) equalled the greatest number for April since records began there in 1914.

Sunshine

Monthly sunshine totals were generally within 10 per cent of average and were mostly above normal, except in south-west England, in parts of south-eastern England and Northern Ireland, and over much of northern and western Scotland. Values were between 110 and 130 per cent of average in parts of eastern Scotland and north-eastern England, and a few places in the north Midlands had about 140 per cent of their normal April sunshine. Sunny intervals occurred in most districts throughout the month and dull days were infrequent.

Fog

Fog was seldom reported in inland areas in April, but it formed extensively along coasts and on hills in south-west England and Wales between the 20th and the 26th. The fog was often associated with precipitation.

Miscellaneous Phenomena

In Scotland the aurora was observed on 4 nights.

Table 1 District values

District	air temperature °C					mean 30-cm earth temp °C	rain-days	rainfall	sunshine
	Highest Max.*	Lowest Min.*	max.	min.	mean				
	difference from average							% of average	
0 Scotland N	13.2	-4.3	-1.6	-1.2	-1.4	-0.6	+7	156	95
1 Scotland E	16.4	-5.2	-1.3	-0.3	-0.8	-0.3	+6	107	107
2 England E & NE	18.6	-5.1	-1.1	-1.0	-1.0	-0.7	+4	86	111
3 East Anglia	18.5	-5.2	-1.0	-1.1	-1.1	-1.1	+2	74	102
4 Midland Counties	18.1	-4.5	-1.7	-0.8	-1.3	-0.9	+3	88	108
5 England SE & Central S	17.0	-4.0	-1.6	-0.9	-1.3	-1.1	+1	70	100
6 Scotland W	14.0	-5.2	-1.4	-0.5	-1.0	-0.4	+5	121	97
7 England NW & Wales N	16.2	-3.8	-1.7	-0.2	-0.9	-0.9	+5	111	101
8 England SW & Wales S	17.2	-3.7	-1.6	-0.6	-1.1	-0.5	+4	79	100
N Ireland	15.4	-2.9	-1.5	-0.4	-0.9	-0.4	+7	106	99
Scotland	16.4	-5.2	-1.4	-0.7	-1.1	-0.4	+6	128	100
England & Wales	18.6	-5.2	-1.5	-0.8	-1.1	-0.9	+3	85	104

*Highest maximum and lowest minimum of District Value Stations.

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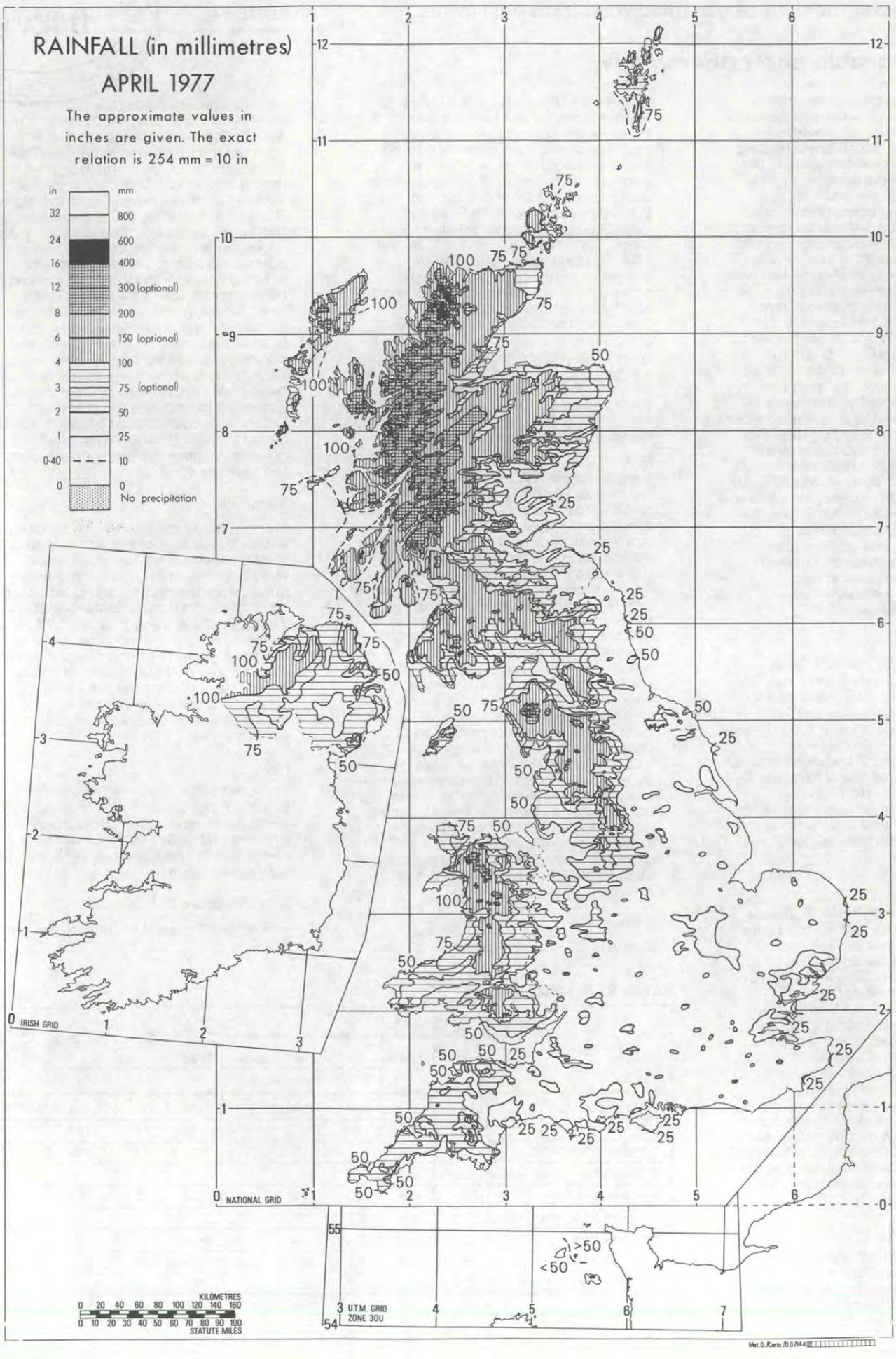
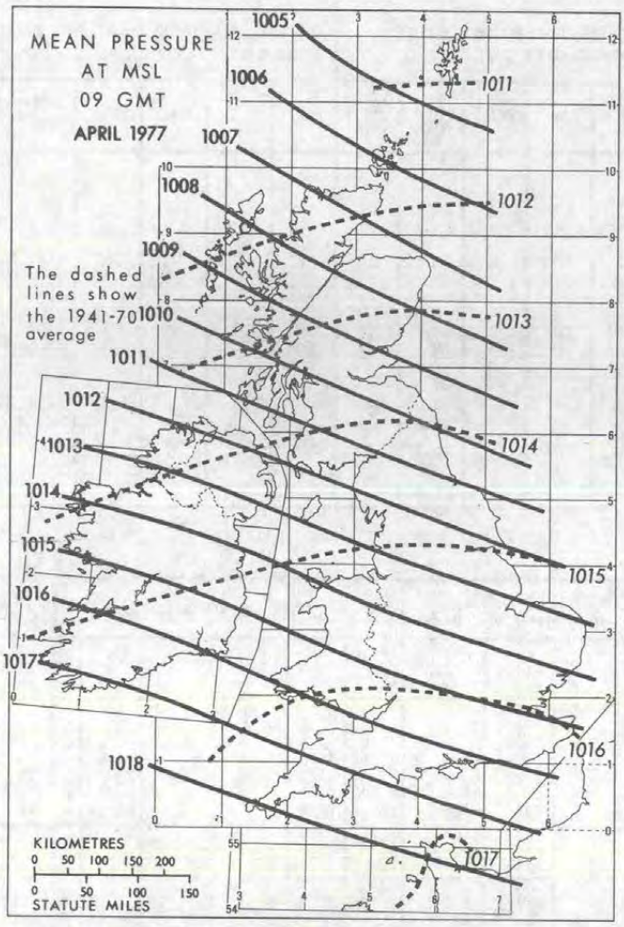
Additional to Monthly Parts, each Annual Volume of the Weather Report includes an explanatory Introduction and a Summary for the Year

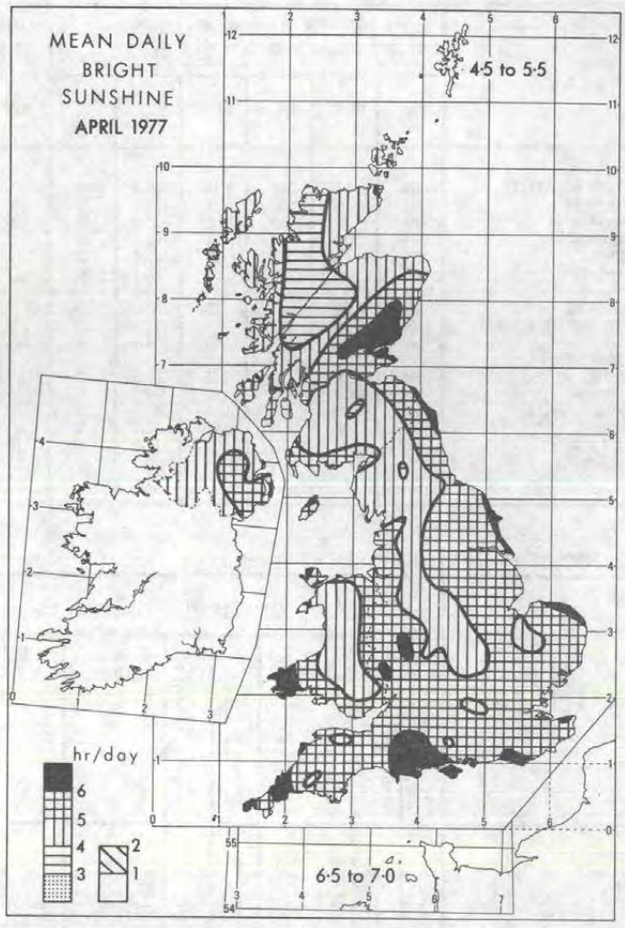
RAINFALL (in millimetres)
APRIL 1977

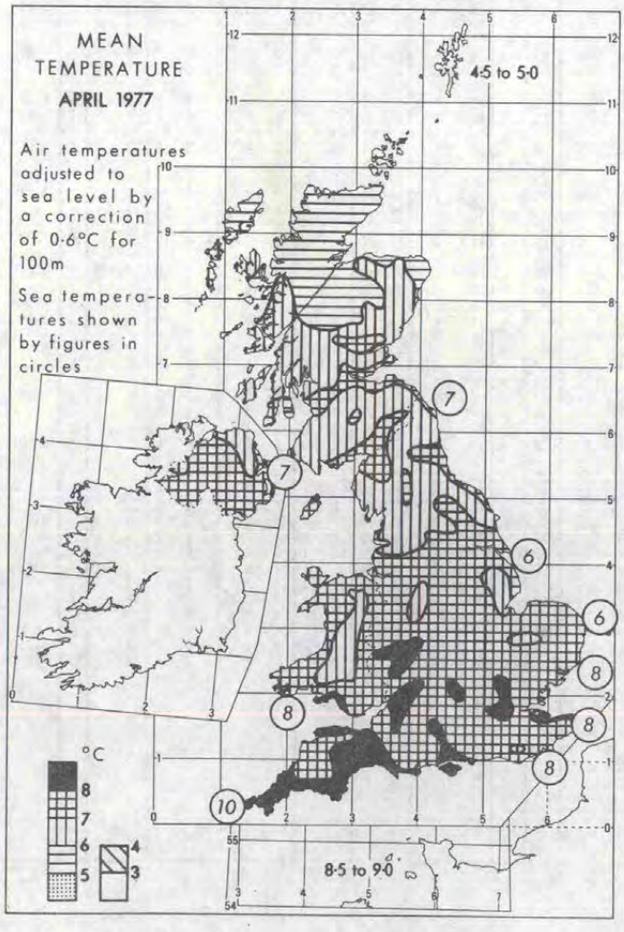
The approximate values in inches are given. The exact relation is 254 mm = 10 in

in	mm	
32	800	
24	600	
16	400	
12	300	(optional)
8	200	
6	150	(optional)
4	100	
3	75	(optional)
2	50	
1	25	
0·40	10	
0	0	No precipitation




MEAN PRESSURE
AT MSL
09 GMT
APRIL 1977
The dashed lines show the 1941-70 average
1005
1006
1007
1008
1009
1010
1011
1012
1013
1014
1015
1016
1017
1018
KILOMETRES
0 50 100 150 200
0 50 100 150
STATUTE MILES


MEAN DAILY
BRIGHT
SUNSHINE
APRIL 1977
4·5 to 5·5
hr/day
6
5
4
3
2
1
6·5 to 7·0


MEAN
TEMPERATURE
APRIL 1977
Air temperatures adjusted to sea level by a correction of 0·6°C for 100m
Sea temperatures shown by figures in circles
4·5 to 5·0
°C
8
7
6
5
4
3
8·5 to 9·0

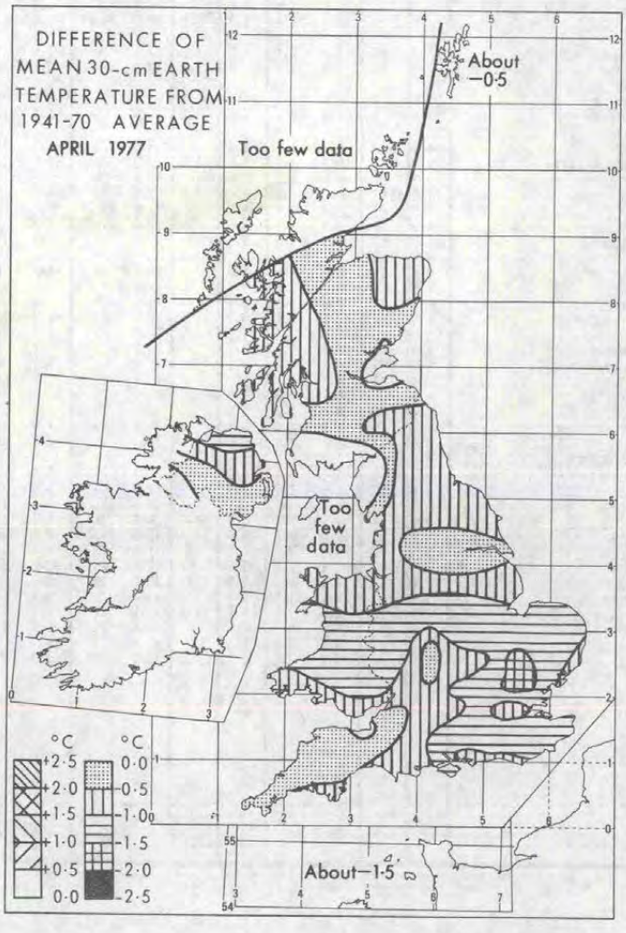

DIFFERENCE OF MEAN 30-cm EARTH TEMPERATURE FROM 1941-70 AVERAGE
APRIL 1977
About −0·5
Too few data
Too few data
°C
+2·5
+2·0
+1·5
+1·0
+0·5
0·0
°C
0·0
-0·5
-1·0
-1·5
-2·0
-2·5
About −1·5

TABLE 2 SOLAR RADIATION AND ILLUMINATION

APRIL 1977

STATION	GLOBAL RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						DIFFUSE RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						GLOBAL ILLUMINATION ON A HORIZONTAL SURFACE (KILOLUX-HOURS)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK																		
ABERDEEN UNIVERSITY	589	29	126	16	356.9	30												
ESKDALEMUIR	592	15	137	9	334.5	28	272	17	125	9	192.5	28						
ABERPORTH	655	30	143	18,20	422.0	30	361	28	125	4	210.7	30						
CARDINGTON	585	27	131	26	369.3	29												
SILSOE	596	29	129	6	363.6	30	316	18	123	26	219.1	30						0
ROTHAMSTED	590	27	101	26	355.2	30												
OARSTON	624	27	91	26	358.9	30												
WALLINGFORD	610	27	93	26	331.3	30												
LONDON WEATHER CENTRE	582	28	113	6	328.4	28	272	19	113	6	194.8	28	700	28	154	6	412.8	28
KEW	622	27	95	26	338.6	26	269	16	91	26	201.7	26	683	27	120	26	383.6	26
EASTHAMPSTEAD																		
EAST MALLING	568	24	85	26	343.5	30												
RUSTINGTON	756	30	123	25	397.8	30												
EVERTON	745	29	159	6	380.6	30												
WAREHAM	706	30	177	20	400.2	30												
JERSEY AIRPORT	733	27	139	22	457.2	30	312	20	124	5	204.3	30	928	27	194	22	581.4	30
ALDERGROVE																		

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

APRIL 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL MIGMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C						MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY		PRECIP-ITATION	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE	0.2 MM OR MORE / 1.0 MM OR MORE												
0 SCOTLAND N																													
SHETLAND																													
BALTASOUND	9 9	24	7.3	1.1	4.2	-1.7	11.6	27	-2.4	17	4.7	-	100	132	9	11	26	24	14	2	3	1	0	0	10	-	-	3	4.59	106	-
FAIR ISLE	9 9	57	6.7	2.7	4.7	-	9.2	26	-1.4	17	5.3	5.4	58	-	7	12	24	17	14	1	2	11	0	0	3	16	-	8	5.98	-	-
LERWICK	21-9	82																													
PSYCHROMETER			6.6	1.9	4.3	-	9.9	26	-1.9	17	-	-	93	-	13	6	25	19	15	2	1	11	0	0	8	17	17	1	5.29	116	-
SCREEN			6.6	1.9	4.3	-1.1	10.0	26,27	-2.1	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORKNEY																														
KIRKWALL AIRPORT ...	21-9	26	7.9	2.1	5.0	-1.3	12.4	20	-1.4	19	-	-	87	148	14	15	26	18	17	1	7	7	1	0	7	10	9	1	4.86	96	-
WEYLAND	9 9	24	7.9	2.6	5.3	-	12.5	25	-0.5	18	5.7	-	77	-	14	15	26	20	9	0	5	4	0	0	2	13	-	3	-	-	-
WESTERN ISLES																														
BENBECULA	21-9	6	8.5	3.7	6.1	-1.4	11.1	25	-2.4	18	-	-	85	-	10	24	27	21	6	0	4	4	0	0	2	7	7	3	5.44	94	-
STORNOWAY	21-9	3	8.3	2.7	5.5	-1.4	11.3	25	-1.3	18	-	-	113	-	14	2	27	24	8	0	0	11	1	0	4	9	8	2	4.65	91	-
HIGHLAND																														
ACHANY	9 9	107	8.1	1.1	4.6	-	13.5	25	-4.6	19	5.2	-	142	-	18	15	27	24	8	1	3	4	1	0	8	17	-	5	4.11	-	-
ACHNASHELLACH	9 9	67	8.9	1.9	5.4	-1.5	12.0	24	-3.5	18	-	-	247	158	28	2	28	26	-	1	-	-	-	-	8	-	-	-	-	-	-
BALMACARA	9 9	4	9.4	3.2	6.3	-	12.4	30	-0.8	8	-	-	166	154	16	25	27	23	1	0	0	1	0	0	3	-	-	0	-	-	-
CAPE WRATH	21-9	112	6.4	2.4	4.4	-1.9	9.5	25	-4.3	6	-	-	123	171	21	2	26	19	8	0	7	5	0	0	2	6	4	5	3.83	-	-
CASSLEY	9 9	99	7.8	1.6	4.7	-	12.5	20,25	-3.0	8	-	-	274	-	33	2	28	28	-	-	-	-	-	-	5	19	-	-	-	-	-
CORPACH	9 9	8	9.5	2.5	6.0	-	12.0	24,25	-1.2	8	-	-	149	-	17	25	26	21	4	0	0	1	1	0	7	10	-	0	-	-	-
CRAIGDARROCH	9 9	38	9.6	1.3	5.5	-	14.0	25	-5.5	18	-	-	106	-	17	2	25	20	8	2	4	1	1	0	10	13	-	0	-	-	-
DALCROSS	9 9	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DALWHINNIE	9 9	351	6.5	-0.5	3.0	-	10.4	25	-6.7	8	-	-	105	-	13	25	27	19	16	4	0	0	0	2	16	17	-	0	3.84	-	S
DIABAIG	9 9	46	8.7	2.8	5.7	-	11.6	20,25,26	-2.1	8	-	-	164	-	27	2	28	25	6	-	2	6	2	-	3	-	-	3	-	-	S
DOUNREAY	9 9	21	8.4	2.3	5.3	-	13.0	26	-1.0	7,19	-	-	98	196	13	22	28	22	2	0	0	1	0	1	2	5	-	1	4.64	-	-
FORT AUGUSTUS	9 9	21	9.2	2.1	5.7	-1.4	12.5	25	-2.3	18	-	-	110	-	19	2	23	19	5	0	5	0	0	0	8	-	-	1	3.14	74	-
FORTROSE	9 9	5	8.3	3.3	5.8	-1.5	12.0	25	-0.5	18	-	-	75	187	12	22	27	17	-	0	-	-	-	0	1	-	-	-	(4.33)	(89)	-
GLENMORE LODGE	9 9	341	7.2	-0.2	3.5	-	12.8	25	-6.4	8	-	-	138	203	22	2	27	23	14	12	2	1	0	1	17	22	16	0	3.61	-	S
GRANTOWN-ON-SPEY ...	9 9	229	8.2	0.2	4.2	-	12.6	21	-7.1	18	-	-	107	-	12	2	26	20	12	5	0	4	0	0	13	22	-	0	4.66	-	-
HEASTE	9 9	109	8.0	2.1	5.1	-	10.9	25	-3.7	18	-	-	199	-	20	15	28	25	9	2	6	2	0	0	6	14	-	1	-	-	-
INVERNESS	9 9	4	9.5	2.4	5.9	-	14.0	25	-2.9	18	-	-	83	203	16	29	26	17	2	0	0	0	0	0	3	10	-	0	4.20	-	-
INVERPOLLY	9 9	14	8.4	2.7	5.5	-	12.1	25	-3.3	18	6.4	-	174	-	(22)	2	29	25	4	-	0	3	0	0	4	20	-	2	-	-	-
ISLE OF RHUM	9 9	5	9.1	2.8	5.9	-	11.2	25	-1.6	18	7.3	7.1	219	139	29	24	27	24	0	0	0	4	0	0	6	16	-	0	-	-	-
KEISS	9 9	30	8.2	2.0	5.1	-	13.3	25	-2.7	8	5.6	5.5	79	-	13	22	22	17	4	1	4	5	0	0	6	15	-	0	5.10	-	-
KNOCKANROCK	9 9	244	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAGGANLIA	9 9	250	8.0	0.4	4.2	-	12.3	25	-6.2	8	-	-	80	-	14	2	26	17	14	7	0	2	0	0	11	-	-	1	-	-	-
LAIRG	9 9	107	8.5	1.0	4.7	-	14.2	25	-5.8	18	5.1	5.1	149	-	18	15	29	23	10	1	7	0	1	0	9	14	-	0	-	-	-
LENTRAN	9 9	146	8.2	1.0	4.6	-	12.4	21,25	-5.6)	18	-	-	75	-	12	29	23	17	6	1	0	3	0	0	9	20	-	0	-	-	-
NAIRN	9 9	6	9.5	2.2	5.9	-1.3	14.2	21	-3.5	18	-	-	71	191	13	29	26	18	4	0	5	1	1	0	5	10	-	0	4.85	94	-
ONICH	9 9	15	10.0	2.1	6.1	-1.2	13.0	24,25	-2.0	4,8,18	-	-	220	161	31	21	24	23	-	1	-	-	-	0	7	-	-	-	3.53	84	S
POOLEWE	9 9	6	8.9	3.1	6.0	-	11.5	25	-1.7	18	-	-	157	-	24	15	28	25	11	1	0	8	0	0	5	11	-	4	4.24	-	S
PRABOST	9 9	67	8.8	2.5	5.7	-	12.0	25	-1.1	18	-	-	155	137	17	2	28	24	7	3	2	8	0	0	4	13	-	5	4.15	-	-
RUBH RE	21-9	16	7.5	4.1	5.8	-	10.0	30	0.0	18	-	-	123	-	16	22	28	24	2	0	0	2	0	0	3	3	3	2	-	-	-
STRATHCONON	9 9	107	9.1	1.2	5.1	-	13.8	25	-6.4	18	-	-	149	-	26	2	28	24	7	1	0	2	1	-	7	14	-	0	-	-	-
TARBATNESS	21-9	18	8.6	2.6	5.6	-1.5	13.1	21	-1.5	18	-	-	67	-	9	29	27	19	5	1	0	1	0	0	4	-	-	1	-	-	-
TOMATIN	9 9	311	6.7	0.1	3.4	-	11.5	25	-6.9	18	-	-	132	-	23	2	27	24	14	-	0	3	0	-	13	-	-	0	-	-	-
TORRISDALE	9 9	27	8.1	2.5	5.3	-	13.5	25	-1.7	8	-	-	102	-	14	15	27	21	7	2	0	11	1	0	3	12	-	3	4.23	-	-
WICK	21-9	36	8.3	2.5	5.4	-1.0	13.2	25	-3.0	18	-	-	74	169	11	22	24	17	9	0	0	12	0	0	8	13	11	2	4.95	96	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

APRIL 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HIGHT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
1 SCOTLAND E																																
GRAMPIAN																																
ABERDEEN																																
DYCE AIRPORT	21-9	58	9.7	2.1	5.9	-0.8	16.1	21	-4.0	19	-	-	51	107	7	22	23	16	10	2	3	10	0	0	7	18	13	1	5.48	108	-
MANNOFIELD	9 9	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALMORAL	9 9	283	7.8	0.6	4.2	-1.3	12.8	21	-4.5	18	-	-	85	163	16	22	25	18	7	3	0	0	0	-	15	20	-	0	-	-	-
BANCHORY	8 8	77	10.0	1.5	5.7	-	15.2	21	-4.0	19	-	-	48	-	9	6	23	15	10	3	0	11	0	0	9	16	12	0	5.96	-	-
BANFF	9 9	24	8.7	3.0	5.9	-	14.6	25	-0.5	19	-	-	64	160	9	22	24	19	3	0	5	1	0	0	1	-	-	3	4.33	-	-
BRAEMAR	9 9	339	7.5	0.7	4.1	-1.1	12.0	21	-4.4	8	-	-	65	118	13	22	26	17	-	3	-	-	-	0	10	25	-	-	5.02	109	-
CLASHNOIR	9 9	338	6.8	0.0	3.4	-	11.7	25	-6.0	18	3.3	-	117	-	17	2	26	24	18	6	0	8	0	1	15	20	-	1	4.38	-	-
CRAIBSTONE	9 9	91	8.9	1.7	5.3	-1.2	15.3	21	-2.2	19	5.4	5.2	55	114	6	6	25	20	8	1	0	0	0	1	8	21	-	0	5.89	113	-
CULTERTY	9 9	3	9.7	1.8	5.7	-	16.7	21	-2.9	19	-	-	59	148	9	6	22	18	6	-	0	0	0	0	8	17	-	0	-	-	-
ELGIN	9 9	15	9.1	2.5	5.8	-	15.0	25	-2.5	18.19	-	-	83	203	13	22	25	17	-	0	-	-	-	1	3	5	-	-	4.55	-	-
FOREHILL	9 9	40	8.6	1.9	5.3	-	13.6	21	-2.5	7	-	-	48	-	9	22	21	14	-	-	-	-	-	-	7	11	-	-	-	-	-
FORRES	9 9	5	9.5	2.9	6.2	-1.0	14.4	25	-2.6	18	6.4	6.2	77	-	17	29	22	19	7	0	1	6	0	0	3	12	-	0	4.50	91	-
FRASERBURGH	21-9	19	8.3	3.2	5.7	-	14.4	25	0.4	10	-	-	53	147	7	22	19	16	3	0	0	1	0	0	0	9	6	8	4.53	-	-
FYVIE CASTLE	9 9	55	9.4	1.5	5.5	-	15.0	25	-3.0	19	-	-	88	179	11	6	29	24	5	-	0	1	1	-	7	18	-	7	-	-	-
GARTLY	9 9	146	8.9	1.6	5.3	-	14.8	20	-2.3)	18	-	-	96	-	13	6	27	21	-	-	-	-	-	-	8	18	-	-	-	-	-
GLENLIVET	21-9	215	7.9	1.3	4.6	-	12.9	20	-5.2	18	-	-	123	198	20	2	29	21	19	2	7	0	0	0	9	16	15	0	4.47	-	S
INVERURIE	9 9	54	9.9	1.7	5.8	-	16.5	21	-4.0	19	-	-	70	-	9	29	25	18	11	2	0	1	0	0	9	18	-	0	5.38	-	-
KEITH	9 9	106	8.7	1.5	5.1	-	14.4	25	-2.4	18	-	-	103	-	14	2	27	22	5	-	0	2	0	-	10	18	-	0	4.68	-	-
KINLOSS	21-9	5	9.0	2.6	5.8	-1.4	14.5	25	-3.4	18	6.0	-	70	194	14	29	25	19	8	0	2	6	0	0	4	15	8	1	4.28	-	-
LOSSIEMOUTH	21-9	6	9.0	2.3	5.7	-	14.5	25	-4.1	18	-	-	71	193	13	22	26	22	10	0	0	9	0	1	8	12	8	1	-	-	-
TAYSIDE																																
ARBROATH	9 9	28	9.8	3.2	6.5	-	15.0	21	-0.7	7	-	-	32	83	9	22	16	11	1	0	0	0	0	0	1	11	-	1	6.23	109	-
ARDTALNAIG	9 9	130	9.9	2.5	6.2	-	14.3	5	-1.3	9	-	-	69	83	17	21	22	14	5	0	0	1	0	0	5	10	-	3	4.94	-	-
DRUMMOND CASTLE	9 9	113	9.7	2.1	5.9	-	13.3	21	-3.0	18	6.5	-	61	-	13	27	20	16	1	0	0	0	1	-	6	22	-	0	6.51	-	-
DUNDEE	9 9	45	10.9	3.3	7.1	-0.4	16.4	21	-0.7	7	7.7	-	26	58	6	27	13	10	2	0	1	2	1	1	2	18	-	0	6.35	126	-
FASKALLY	9 9	94	10.0	2.1	6.1	-	13.8	21	-2.5	8	6.7	6.1	46	90	11	27	22	13	6	1	0	1	0	0	6	17	-	0	-	-	-
KINDROGAN	9 9	259	8.3	0.5	4.4	-	12.5	21	-4.0	9	-	-	52	-	11	27	22	16	10	2	0	4	0	1	13	20	-	1	-	-	-
KINROSS	9 9	116	9.8	0.9	5.3	-	13.0	25	-4.2	9	6.0	-	47	-	8	27	17	12	-	0	-	-	-	-	9	10	-	-	5.71	-	-
MONTROSE	9 9	57	9.8	2.5	6.1	-	15.0	21	-2.0	7	-	-	37	85	10	22	17	12	3	1	0	1	0	0	5	16	-	1	-	-	-
MYLNEFIELD	9 9	30	10.3	3.2	6.7	-	15.0	21	-0.6	9	6.7	6.1	20	49	3	27	14	8	1	0	0	1	0	0	4	19	-	0	6.45	-	-
PERTH	9 9	23	10.7	3.0	6.9	-0.8	14.0	21.25	-1.0	8.9	-	-	25	55	8	27	12	9	-	0	-	-	-	0	3	15	-	-	5.94	116	-
STRATHALLAN	9 9	41	10.7	3.2	6.9	-	14.3	21	-1.2	9	-	-	28	-	9	27	16	6	2	0	1	2	0	0	5	19	-	0	-	-	-
USAN	21-9	30	9.7	2.8	6.3	-	15.8	21	-1.0	7	-	-	35	-	9	22	17	10	4	0	0	0	0	0	4	11	10	1	5.91	-	-
WHITEHILLOCKS	9 9	258	8.7	0.6	4.7	-	12.6	21	-4.4	19	-	-	70	97	19	27	24	9	15	2	1	5	0	0	11	17	-	0	-	-	-
FIFE																																
BELLISTON	9 9	82	9.7	3.2	6.5	-	12.8	12.25	-1.0	9	6.3	-	24	53	4	27	16	9	4	0	0	3	0	0	4	15	-	0	-	-	-
CUPAR	9 9	36	10.5	2.8	6.7	-	15.4	21	-2.4	9	6.7	-	18	-	5	27	11	7	1	0	0	0	0	-	8	14	-	0	5.95	-	S
GLENROTHES	9 9	117	9.6	2.5	6.1	-	12.9	25	-1.9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	5.77	-	-
LEUCHARS	21-9	10	10.5	2.8	6.7	-0.8	14.9	21	-2.1	9	-	-	17	43	5	27	13	5	4	0	0	0	0	0	8	12	10	1	6.15	110	-
PITREAVIE	21-9	40	10.3	3.4	6.9	-	13.1	5.25	-1.6	8	-	-	26	61	4	27	17	11	2	0	5	1	0	0	6	10	7	0	-	-	-
ST ANDREWS	9 9	18	10.4	3.4	6.9	-	14.4	12	-1.4	9	6.9	6.5	18	46	4	27	14	7	1	0	0	2	0	0	3	10	-	0	5.98	-	-
LOTHIAN																																
BLACKBURN SEWAGE WORKS	9 9	131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BUSH HOUSE	9 9	184	9.1	2.6	5.9	-	13.4	21	-2.6	9	6.1	5.5	41	80	6	27	21	12	2	0	1	2	0	0	5	12	-	0	4.67	-	-
DUNBAR	9 9	23	10.2	4.0	7.1	-0.4	14.2	21	-1.0	9	-	-	21	61	5	16	18	5	3	0	0	0	0	0	2	6	-	0	5.89	107	-
EDINBURGH																																
EAST CRAIGS	9 9	61	10.4	3.1	6.7	-	13.6	21	-2.2	4.9	6.9	-	26	-	5	21	16	8	2	0	1	0	0	0	5	11	-	0	5.16	-	-
ROYAL BOTANIC GARDEN	9 9	26	10.8	3.8	7.3	-0.4	14.0	21.25	-1.8	4	7.5	-	21	53	4	16.21	15	7	4	0	0	6	0	0	3	15	-	0	5.24	105	-
ROYAL OBSERVATORY																																
BLACKFORD HILL	9 9	134	10.1	2.4	6.3	-1.2	13.8	21	-1.7	4	-	-	25	67	6	16	13	9	2	0	0	5	0	0	6	12	-	1	5.11	103	-
TURNHOUSE AIRPORT	21-9	35	10.7	3.3	7.0	-0.4	14.5	21	-2.5	9	-	-	26	65	5	27	15	8	6	0	0	6	0	0	5	20	8	0	5.19	109	-
HADDINGTON	9 9	49	10.7	3.4	7.1	-	15.8	22	-3.1	9	-	-	23	63	6	16	17	7	4	0	0	4	0	0	4	-	-	0	-	-	S
LIVINGSTON	9 9	125	9.4	2.2	5.8	-	12.6	25	-2.4	9	-	-	50	-	10	27	20	12	1	0	0	0	0	0	6	14	-	0	-	-	-
NUNRAW ABBEY	9 9	195	8.8	2.0	5.4	-	13.0	21	-3.0	9	-	-	36	-	7	16	24	12	5	0	0	7	0	0	6	-	-	1	-	-	-
PATHHEAD	9 9	131	9.5	3.0	6.3	-	13.9	21	-2.0	9	6.1	-	27	-	6	16	16	10	5	0	0	0	0	0	5	10	-	0	-	-	-
PENICUIK	9 9	189	9.5	2.3	5.9	-0.8	13.2	21	-3.1	9	6.5	-	46	82	7	27	21	15	4	0	0	7	0	0	6	15	-	0	4.18	89	-
BORDERS																																
BLYTH BRIDGE	9 9	253	8.3	1.8	5.1	-	12.5	20	-3.5	9	-	-	77	138	10	27	26	23	7	0	1	2	0	0	8	17	-	1	3.95	-	-
BLYTHE	9 9	262	8.8	1.3	5.1	-	14.0	21	-5.2	4	-	-	45	89	5	22	22	16	-	1	-	-	-	-	11	20	-	-	5.27	-	-
BONCHESTER BRIDGE	9 9	146	9.6	2.5	6.1	-	13.7	20	-3.6	9	-	-	42	-	8	27	22	16	3	0	0	3	0	0	6	-	-	0	-	-	-
BOWHILL (SELKIRK)	9 9	168	9.8	2.2	6.0	-	14.0	20	-3.2	9	-	-	46	84	6	1	19	12	4	1	0	5	0	0	7	-	-	0	-	-	-
FLOORS CASTLE	9 9	59	10.0	2.7	6.3	-	15.6	21	-2.2	4	-	-	38	92	9	23	18	14	1	0	0	0	0	0	6	-	-	1	-	-	-
GALASHIELS	9 9	198	8.8	2.2	5.5	-	14.8	21	-3.0	9	-	-	51	-	9	23	23	16	5	0	1	4	0	0	8	10	-	0	4.84	-	-
GLENTRESS	9 9	165	9.8	2.0	5.9	-	14.0	20.21.25	-4.0	4	-	-	51	97	6	27	20	16	-	0	-	-	-	0	8	-	-	-	-	-	-
GREYCROOK	9 9	76	10.2	2.4	6.3	-	14.0	20.21	-2.5	4	6.8	-	23	-	4	27	15	9	2	0	0	1	0	-	7	14	-	0	-	-	-
KELSO	9 9	34	10.7	3.2	6.9	-	15.1	21	-2.5	4	-	-	29	-	3	23.29	17	10	1	0	0	5	0	0	6	17	-	0	-	-	-
LEITHOLM	9 9	64	10.3	2.4	6.3	-	14.7	21	-1.5	4	6.5	-	33	-	7	6	24	11	3	0	0	3	0	0	6	13	-	1	5.68	-	-
ST ABBS HEAD	9 9	75	9.5	3.6	6.5	-0.4	15.4	21	-0.6	7	-	-	-	-	-	-	-	-	1	0	0	0	0	0	1	5	2	10	-	-	-
STANHOPE FARM	9 9	226	8.7	1.6	5.1	-	12.9	21	-6.3	9	-	-	99	141	19	27	22	19	7	2	0	3	1	0	7	12	-	0	-	-	-
WEST LINTON	9 9	244	8.8	1.4	5.1	-0.9	12.4	20	-4.5	9	5.3	4.8	83	140	12	21	24	22	4	0	0	1	0	0	10	15	-	0	-	-	-
WHITCHESTER	9 9	255	8.9	1.7	5.3	-	13.3	21	-2.7	9	-	-	38	69	6	28	20	13	7	1	0	9	1	-	7	-	-	4	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

APRIL 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL H(GMT) OF OBSERVATION MAX.	MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
6 SCOTLAND W																																
STRATHCLYDE																																
ACHAGLACHGARCH	9	9	12	10.2	2.9	6.5	-	13.5	25	-1.8	9	-	-	156	153	35	21	24	20	6	0	0	0	0	0	6	17	-	0	-	-	-
AROS	9	9	37	9.6	2.4	6.0	-	14.0	25	-1.0	8	8.7	-	169	150	23	21	26	24	-	-	-	-	-	-	-	13	-	0	-	-	-
AUCHINCRUIVE	9	9	45	9.7	3.6	6.7	-1.0	13.3	25	-3.6	8	7.0	-	156	-	26	21	21	16	1	0	0	0	0	0	5	8	-	0	4.77	95	-
BARRHEAD	9	9	30	75	144	18	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENMORE(YOUNGER BOTANIC GARDEN)	9	9	12	9.6	3.3	6.5	-	12.1	24.25	-1.7	9	-	-	235	157	36	21	25	23	0	0	2	6	2	0	5	11	-	0	-	-	-
BRODICK CASTLE	9	9	15	10.5	3.7	7.1	-	14.0	25	-1.0	8	8.7	-	169	150	23	21	23	17	0	0	0	2	0	0	4	8	-	0	-	-	-
CAMPS RESERVOIR	9	9	295	7.8	0.5	4.1	-	12.2	21	-5.9	4	-	-	102	138	21	27	24	17	12	1	0	4	0	1	11	-	-	5	3.90	-	-
CARNWATH	9	9	208	8.9	1.2	5.1	-	12.5	20	-6.1	4	6.1	-	74	146	11	27	22	18	9	1	1	3	0	0	8	13	13	6	-	-	-
COLONSAY	9	9	35	9.1	4.0	6.5	-	11.7	25	-1.4	9	-	-	101	-	18	21	23	20	1	0	0	9	0	0	1	-	-	1	-	-	-
CRAWFORDJOHN	9	9	274	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.11	-	-
CUMNOCK	9	9	99	9.6	2.4	6.0	-	13.8	21	-6.5	8.9	-	-	106	-	20	27	23	19	2	0	0	1	0	0	5	6	-	1	4.38	-	-
DUNSTAFFNAGE	9	9	3	9.1	3.4	6.3	-	12.2	25	-1.9	9	-	-	102	-	20	21	21	19	2	0	1	0	1	0	4	9	-	3	-	-	-
EAST KILBRIDE	9	9	178	8.9	2.8	5.9	-	12.5	25	-2.2	9	-	-	101	-	25	21	21	17	2	1	0	1	0	-	3	12	-	0	5.27	-	-
FINNART	9	9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GIRVAN	9	9	8	10.1	3.7	6.9	-	13.0	21.25	-2.2	4	-	-	68	108	16	27	22	17	0	0	0	0	0	0	2	6	-	3	4.84	-	-
GLASGOW ABBOTSINCH AIRPORT	21-9		5	10.5	3.4	6.9	-1.0	14.0	25	-2.6	9	-	-	67	-	17	21	19	15	4	0	0	5	1	0	5	12	9	0	5.37	110	-
SPRINGBURN PARK	9	9	107	9.5	3.2	6.3	-1.2	12.1	25	-0.7	8	-	-	74	117	17	27	21	17	2	0	2	0	0	0	4	13	-	0	4.72	105	-
WEATHER CENTRE (X)	21-9		40	9.8	4.6	7.2	-	12.6	25	0.7	8	-	-	61	-	16	27	19	13	2	-	1	3	1	0	0	-	-	0	5.04	-	-
GREENOCK	9	9	61	-	-	-	-	-	-	-	-	-	-	131	132	26	21	21	17	-	-	-	-	-	-	-	-	-	-	4.96	100	-
HELENSBURGH	9	9	89	9.2	2.7	5.9	-1.4	12.5	25	-3.0	9	-	-	134	144	25	21	21	18	-	0	-	-	-	0	2	-	-	-	4.98	-	-
HUNTERSTON	9	9	8	9.6	4.1	6.9	-	12.6	25	0.2	4	-	-	86	-	23	21	21	17	1	0	0	2	0	0	0	-	-	2	-	-	-
KILDONAN	9	9	18	9.5	3.6	6.5	-	12.0	25	-1.8	8	-	-	113	-	16	21	25	18	2	-	0	2	0	0	2	8	7	0	5.46	-	-
KNAPDALE FOREST	9	9	12	9.5	2.9	6.2	-	13.5	25	-3.5	9	-	-	158	-	33	21	23	20	0	0	0	0	0	0	6	10	-	0	-	-	-
LANARK	9	9	152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEADHILLS	9	9	388	7.1	0.3	3.7	-	10.9	21	-6.1	4	-	-	185	188	41	27	24	19	17	1	4	3	1	0	11	11	-	3	-	-	-
MACHRIHANISH	21-9		10	9.6	4.1	6.9	-	12.9	20	-3.4	9	-	-	78	113	13	21	25	16	3	0	0	3	0	0	5	6	6	2	5.34	-	-
MILLPORT	9	9	5	10.0	2.9	6.5	-	12.3	25	-3.5	8	-	-	93	126	24	21	20	18	4	-	0	2	0	0	3	-	-	1	-	-	-
PAISLEY	9	9	32	10.5	3.9	7.2	-1.1	13.7	25	-0.8	8	7.1	7.3	85	124	23	21	21	16	2	0	0	0	1	0	3	7	-	0	4.82	102	-
PRESTWICK	21-9		16	9.8	3.6	6.7	-	13.1	25	-4.4	8	-	-	71	135	16	27	21	15	2	0	1	1	0	0	6	7	7	0	4.72	-	-
RHUVAAL	21-9		20	8.8	4.3	6.5	-	13.1	25	1.5	7.18	-	-	125	160	24	21	23	18	3	0	4	0	0	0	4	4	2	3	-	-	-
ROTHESAY	9	9	43	9.5	3.9	6.7	-	12.5	25	-0.5	8	6.6	6.2	107	118	19	21	21	17	0	0	0	0	0	0	1	10	-	0	-	-	-
SLOY	21-9		12	9.8	3.3	6.5	-	12.5	21	-2.3	9	-	-	217	-	30	21	22	22	2	-	0	2	0	0	5	-	-	0	-	-	-
STRONACHULLIN	9	9	2	9.9	3.4	6.7	-	13.2	24	-1.8	7	-	-	183	-	32	21	23	19	0	0	0	1	0	0	6	6	-	0	-	-	-
TIREE	21-9		9	9.1	4.1	6.6	-1.1	12.2	25	-0.2	18	-	-	61	94	10	21	23	17	4	0	0	11	0	0	1	7	7	3	5.51	96	-
CENTRAL																																
ARROCHYMORE	9	9	30	9.7	2.9	6.3	-	13.0	25	-2.5	9	-	-	113	-	25	21	19	18	-	0	-	-	-	0	6	9	-	-	5.27	-	-
CALLANDER	9	9	107	9.7	2.2	5.9	-	12.8	25	-2.5	9	-	-	108	115	17	21	18	17	1	0	0	0	0	0	6	16	-	0	-	-	-
EARLS HILL	21-9		335	7.9	0.8	4.3	-	11.0	25	-3.6	9	-	-	101	-	24	27	20	19	4	-	3	0	2	0	11	16	16	4	5.13	-	-
FALKIRK	9	9	3	10.5	3.5	7.0	-	14.0	25	-1.5	9	-	-	45	-	11	27	15	10	1	-	0	0	0	-	3	-	-	0	4.76	-	-
GRANGEMOUTH	9	9	4	10.4	4.1	7.3	-	13.5	21.25	-0.5	4.9	-	-	35	-	9	27	15	8	0	0	0	0	0	0	2	5	-	0	-	-	-
PARKHEAD	9	9	107	10.5	3.3	6.9	-	14.0	25	-1.0	9	6.9	-	46	-	9	27	18	15	-	0	-	-	-	0	4	-	-	-	-	-	-
STIRLING(BATTERFLATS)	9	9	38	11.1	3.0	7.1	-	15.7	21	-2.0	9	7.4	6.8	57	-	18	27	17	11	1	0	0	2	0	0	5	12	-	0	5.38	-	-
DUMFRIES & GALLOWAY																																
BARRENNAN	9	9	110	9.8	2.3	6.1	-	13.5	25	-4.0	4	-	-	125	129	24	27	24	21	5	0	1	5	1	0	7	8	-	0	-	-	-
CLATTERINGSHAWS	9	9	178	8.8	2.3	5.5	-	11.6	21	-3.5	4	-	-	181	151	31	27	23	19	3	0	0	9	0	0	6	-	-	2	4.27	-	-
DUMFRIES	9	9	49	10.1	3.4	6.7	-0.8	12.6	21.25	-2.8	4	7.1	6.7	56	87	14	27	19	17	3	-	0	3	0	0	5	8	-	0	5.29	112	-
DUNDEUGH	9	9	119	9.8	2.2	6.0	-	13.3	12	-5.3	4	6.4	-	110	122	29	27	23	18	1	0	0	1	0	0	8	-	-	0	-	-	-
ESKDALEMUIR	21-9		242																													
PSYCHROMETER				8.6	1.6	5.1	-	11.8	20	-6.0	4	6.0	5.9	121	121	17	27	24	20	9	0	2	8	2	0	9	11	9	1	4.23	96	-
SCREEN				8.9	1.8	5.3	-0.8	12.1	20	-5.2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-
GIRDSTINGWOOD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(5.62)	-	-
GLENLEE	9	9	55	10.2	3.0	6.6	-0.7	12.8	20.21	-4.4	4	-	-	119	131	26	27	20	17	-	0	-	-	-	0	7	16	-	-	-	-	-
GLENLOCHAR BARRAGE	9	9	47	10.1	3.1	6.6	-	12.5	24	-3.2	8	-	-	81	107	22	27	20	18	2	0	2	1	0	0	6	-	-	4	-	-	-
PALNURE	9	9	15	9.8	3.0	6.4	-	12.7	21	-4.3	8	-	-	87	115	19	27	22	17	0	0	0	3	0	1	5	10	-	0	-	-	-
PENWHIRN	9	9	166	8.1	2.3	5.2	-	13.0	25	-2.5	4.8.9	-	-	113	134	21	27	23	21	-	-	-	-	-	0	7	9	-	-	5.77	-	-
THREAVE	9	9	73	10.0	3.3	6.7	-	13.0	24	-3.0	8	7.1	-	78	103	21	27	21	19	4	0	3	2	0	0	6	11	-	1	-	-	-
2 ENGLAND E & NE																																
NORTHUMBERLAND																																
BOULMER	21-9		23	10.1	3.5	6.8	-	15.6	25	-0.5	8	6.5	6.2	30	-	7	6	14	11	4	0	0	8	0	0	4	10	8	0	6.18	-	-
COCKLE PARK	9	9	99	9.8	2.8	6.3	-	15.0	25	-1.7	8	5.9	-	34	-	8	16	15	9	2	2	1	3	0	0	4	11	-	1	5.41	-	-
HAYDON BRIDGE	9	9	79	10.1	3.1	6.6	-	15.4	25	-2.8	18	6.8	6.6	53	115	12	6	24	14	3	1	0	0	0	0	5	-	-	0	-	-	-
KIELDER CASTLE	9	9	201	8.7	1.4	5.1	-0.6	13.0	20	-4.2	15	6.0	-	113	147	13	1	25	22	5	2	1	4	1	0	6	17	-	2	-	-	-
LETHAMHILL FARM	9	9	76	9.6	2.8	6.2	-	14.3	25	-2.3	8	-	-	37	-	8	6	15	12	-	-	-	-	-	4	12	-	-	-	-	-	-
REDESDALE	9	9	238	8.4	1.3	4.9	-	12.2	20	-4.0	4.18	4.6	-	67	-	9	12	23	19	-	1	-	-	-	0	7	13	-	-	5.00	-	-
SEAHOUSES	21-9		11	10.1	3.9	7.0	-	15.5	25	-0.6	9	-	-	32	85	8	6	18	10	3	0	0	1	0	0	2	9	7	0	6.18	-	-
STONEHAUGH	9	9	201	9.1	1.5	5.3	-	12.8	25	-4.1	9	-	-	98	-	13	21	26	21	5	2	0	3	2	1	8	16	11	0	-	-	-
TYNE & WEAR																																
CHOPWELLWOOD	9	9	136	9.9	2.7	6.3	-1.1	15.0	21.25	-2.0	9.18	-	-	46	100	7	6	18	11	3	0	0	1	1	0	5	12	-	0	-	-	-
NEWCASTLE WEATHER CENTRE (X)	21-9		75	10.3	4.3	7.3	-	15.4	25	-0.7	8	-	-	30	-	6	16	14	8	6	0	0	8	1	0	2	-	7	0	5.74	-	-
TYNEMOUTH	21-9		29	9.9	4.3	7.1	-0.6	15.0	21	-0.5	8	-	-	30	76	6	16	17	6	2	0	2	0	1	0	2	6	-	1	5.44	109	-
WASHINGTON	9	9	27	-	-	-	-	-	-	-	-	-	-	30	-	7	6	16	10	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

APRIL 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
2 ENGLAND E & NE -CONTINUED																																
DURHAM																																
DURHAM	9 9	102	10.3	2.6	6.5	-1.0	15.3	25	-2.9	18	6.7	6.7	33	83	7	6	20	10	-	1	-	-	-	1	5	12	-	-	5.27	112	-
LOW ETHERLEY	9 9	155	9.3	2.4	5.9	-	13.9	25	-3.2	18	5.8	-	28	-	4	21	20	11	11	1	1	1	0	6	13	-	1	-	-	-
WIDDYBANK FELL	9 9	513	5.9	-0.2	2.9	-	9.7	21	-5.4	9	3.4	-	127	-	19	21	25	19	-	2	-	-	-	1	14	20	-	-	4.50	-	-
CLEVELAND																																
HARTBURN GRANGE	9 9	31	10.7	2.5	6.6	-	15.9	21	-3.4	18	-	-	34	97	7	25	18	8	4	0	2	1	0	0	6	15	-	2	4.75	-	-
HARTLEPOOL	9 9	9	10.7	4.0	7.3	-1.0	16.0	21	-0.5	8.9	-	-	25	69	4	25	20	10	4	0	0	1	0	0	2	-	-	1	5.82	-	-
NORTH YORKSHIRE																																
ASKHAM BRYAN	9 9	34	11.0	2.6	6.8	-	16.7	25	-3.0	18	-	-	37	87	5	25	18	12	2	0	0	1	0	0	6	14	-	0	5.40	114	-
CAWOOD	9 9	6	11.0	3.2	7.1	-	17.6	25	-5.0	9	7.0	7.0	28	69	5	6	15	10	1	0	0	0	0	0	4	12	-	1	5.31	-	-
HIGH MOWTHORPE	9 9	175	9.2	(2.1)	(5.7)	-	15.4	25	-3.5	8	5.6	-	41	83	7	28	21	13	3	1	0	1	0	0	6	13	-	0	5.14	-	-
LEEMING	21-9	32	10.8	3.7	7.3	-	16.2	21	-2.7	9.18	6.9	6.7	27	65	5	25	21	10	1	0	2	0	0	0	3	10	6	0	5.41	-	-
MALHAM TARN	9 9	395	7.2	1.0	4.1	-1.6	9.9	14,25	-4.1	8	5.1	-	144	146	22	21	23	16	6	2	0	3	0	2	8	22	-	0	-	-	-
PICKERING	9 9	44	10.7	2.3	6.5	-	15.6	25	-4.0	18	-	-	50	113	7	6	22	13	5	2	1	0	0	0	7	19	-	0	-	-	-
SCARBOROUGH	9 9	53	10.5	3.5	7.0	-	16.0	25	-0.9	9	7.1	7.1	38	91	6	7	21	13	6	0	1	3	0	0	2	13	(6)	5	6.53	129	-
SILPHO MOOR	9 9	203	9.6	1.8	5.7	-	14.8	25	-2.6	10	5.3	-	41	74	6	3	23	11	2	1	0	0	0	0	8	14	-	0	5.81	-	-
SNAITEHOLME	9 9	290	7.4	1.2	4.3	-	10.3	20	-5.1	9	5.1	-	120	-	21	21	23	19	5	1	0	0	0	0	10	13	-	0	4.05	-	S
WHITBY	9 9	41	10.4	3.3	6.9	-	16.5	21	-1.6	9	-	-	48	-	13	7	20	14	4	2	7	1	0	0	3	14	-	5	5.79	-	-
WHITBY(COASTGUARD)	21-9	60	9.7	3.5	6.6	-	15.9	21	-1.8	9	-	-	35	-	6	25	20	13	5	1	0	3	0	0	2	11	9	3	-	-	-
YORK(HESLINGTON)	9 9	20	10.9	3.3	7.1	-	17.0	25	-1.7	18	6.9	6.9	33	80	5	28	19	11	1	0	0	0	0	0	3	6	-	0	5.06	-	-
HUMBERSIDE																																
BRIDLINGTON	9 9	48	10.1	2.6	6.3	-	16.2	25	-2.1	9	-	-	24	50	4	25	19	9	5	2	0	3	0	0	6	17	-	12	6.06	-	-
BRIGG	9 9	3	11.9	2.6	7.3	-	17.8	25	-3.9	9	-	-	35	75	13	25	19	10	3	0	0	1	1	0	8	17	-	0	-	-	-
CLEETHORPES	9 9	6	11.5	3.3	7.4	-1.0	18.0	25	-1.0	8.9.10	-	-	30	71	7	26	18	10	-	0	-	-	-	0	3	-	-	-	5.74	109	-
HULL	9 9	2	11.9	3.7	7.8	-0.9	18.6	22	-1.4	9	7.6	7.7	26	56	7	25	17	10	2	0	0	1	0	0	4	10	-	0	5.64	117	-
LINCOLNSHIRE																																
BINBROOK	21-9	108	10.3	2.5	6.4	-	16.7	25	-3.1	9	-	-	40	81	7	28	19	11	9	0	0	5	0	0	8	14	11	2	5.59	-	-
CAISTOR	9 9	55	(11.5)	(2.2)	(6.9)	-	17.4	25	-5.2	9	-	-	33	-	9	25	18	8	-	-	-	-	-	-	7	-	-	-	-	-	-
CRANWELL	9 9	62	11.0	2.9	6.9	-1.2	17.7	25	-2.2	9	6.9	6.6	29	70	7	26	18	10	3	0	0	1	2	0	6	12	10	2	5.66	108	-
KIRTON	9 9	4	11.2	(2.7)	(6.9)	-	17.1	25	-3.8	10	7.0	7.1	31	-	13	26	16	8	0	0	0	2	0	0	(6)	19	-	1	5.70	-	-
LINCOLN	9 9	7	11.1	2.7	6.9	-1.4	17.9	25	-5.1	9	6.8	6.6	35	-	6	26	17	10	2	0	0	0	0	0	8	18	-	0	5.44	-	-
SKEGNESS	9 9	5	11.0	3.5	7.3	-0.8	17.0	25	-1.0	9.10	-	-	28	69	12	26	14	9	0	0	0	1	0	2	12	-	0	-	-	-	-
SUTTON BRIDGE	9 9	4	11.7	3.0	7.3	-	18.0	25	-2.8	10	-	-	31	79	12	26	16	8	0	-	0	0	0	-	6	16	-	2	-	-	-
WADDINGTON	21-9	68	10.7	3.4	7.1	-1.2	17.0	25	-2.0	9	-	-	42	101	8	26	18	10	4	0	0	2	2	0	5	13	7	3	5.66	105	-
3 EAST ANGLIA																																
NORFOLK																																
COLTISHALL	21-9	17	11.3	3.6	7.5	-	17.8	25	-1.8	16	-	-	38	95	7	26	18	10	3	1	2	4	1	0	4	14	6	0	-	-	-
CROMER	9 9	54	11.3	3.6	7.5	-0.8	17.8	25	-0.5	10	-	-	35	86	11	26	17	9	5	-	0	2	1	0	2	10	-	0	6.52	118	-
GORLESTON	9 9	4	11.4	4.3	7.9	-0.2	17.5	25	-0.7	10	7.7	7.9	28	73	9	26	16	10	3	0	0	1	0	0	1	-	-	0	5.74	101	-
MARHAM	21-9	23	11.3	3.1	7.2	-	17.3	25	-3.6	10	-	-	33	-	10	26	16	12	5	0	2	2	1	0	5	17	9	0	5.21	-	-
MORLEY ST BOTOLPH	9 9	48	11.1	2.9	7.0	-	16.8	25	-3.2	10	7.0	-	29	-	8	26	15	8	3	1	0	2	1	0	4	18	-	0	5.40	-	-
SANTON DOWNHAM	9 9	24	12.0	1.1	6.5	-	17.6	25	-7.7	10	6.4	6.5	43	108	11	26	17	12	-	0	-	-	-	0	14	23	-	-	4.92	-	-
SCOLE	9 9	27	11.8	2.8	7.3	-	17.3	25	-4.0	10.19	7.3	7.5	37	-	10	26	15	9	3	0	0	1	1	0	5	15	-	0	5.31	-	-
TERRINGTON ST CLEMENT	9 9	3	11.5	2.6	7.1	-1.4	18.0	25	-3.3	10	6.9	-	29	78	11	26	17	9	2	0	0	0	0	0	7	12	-	0	4.88	93	-
CAMBRIDGESHIRE																																
BOXWORTH	9 9	53	11.3	2.6	6.9	-	17.4	25	-3.0	10	-	-	24	66	9	26	14	8	1	0	0	1	0	0	5	14	-	0	5.95	-	-
CAMBRIDGE BOTANIC GARDEN	9 9	12	12.1	2.4	7.3	-1.6	18.5	25	-4.7	10	7.3	7.5	27	74	9	26	14	9	2	0	0	3	1	0	9	18	-	0	-	-	-
NATIONAL INSTITUTE OF AGRICULTURAL BOTANY	9 9	26	(12.2)	(3.3)	(7.7)	-	18.2	25	(-2.0)	8.10.16	-	-	29	81	10	26	12	9	0	0	0	0	0	0	(8)	18	-	0	5.78	109	-
MARCH	9 9	2	(11.8)	(2.9)	(7.3)	-	15.9	21	-3.0	10	-	-	28	74	11	26	10	9	-	0	-	-	-	-	5	-	-	-	-	-	-
MEPAL	9 9	-2	11.7	2.3	7.0	-	18.0	25	-5.4	10	(7.5)	(8.3)	31	-	10	26	14	11	1	0	0	1	3	0	7	20	-	0	(4.99)	-	-
WITTERING	9 9	73	11.2	3.2	7.2	-	17.0	25	-2.3	9.10	-	-	27	-	8	26	16	12	6	0	4	0	1	0	5	17	12	0	5.27	-	-
WYTON	21-9	40	11.5	3.9	7,7	-	18.0	25	-3.1	9	-	-	31	90	10	26	16	10	3	0	0	1	2	0	5	15	11	0	-	-	-
SUFFOLK																																
ALDEBURGH	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(5.60)	-	-
BROOMS BARN	9 9	75	11.1	3.1	7.1	-	17.3	25	-2.8	10	6.6	6.8	36	95	10	26	20	11	4	0	3	3	2	0	5	12	-	0	5.00	-	-
EAST BERGHOLT	9 9	4	(11.9)	(2.6)	(7.3)	-	16.9	25	-4.5	10.16	-	-	26	73	6	26	15	9	-	0	-	-	0	0	(10)	-	-	0	-	-	-
HAUGHLEY	9 9	58	11.2	2.6	6.9	-	17.3	25	-3.8	9	7.2	-	28	-	9	26	19	8	1	0	2	1	2	0	6	18	-	0	-	-	-
HONINGTON	21-9	50	11.3	3.1	7.2	-	17.3	25	-3.9	10	-	-	27	76	8	26	15	9	5	1	8	0	3	0	6	19	10	0	5.04	-	-
LOWESTOFT	9 9	25	11.2	3.3	7.3	-0.8	16.9	25	-2.5	9	7.6	7.5	25	66	6	26	13	9	6	1	3	0	1	0	5	8	5	0	5.85	103	-
WATTISHAM	21-9	89	-	2.4	-	-	-	-	-3.5	10	-	-	23	59	7	26	17	6	-	-	-	-	-	-	9	19	9	0	5.05	-	-
BEDFORDSHIRE																																
CARDINGTON	21-9	29	11.8	2.6	7.2	-	17.4	25	-5.7	9	7.1	7.1	33	95	9	26	16	10	4	0	1	3	3	0	10	15	12	0	5.47	-	-
LUTON	9 9	159	10.6	3.4	7.0	-	15.8	25	-2.1	9	7.3	7.5	44	97	11	26	20	12	-	0	-	-	-	0	5	-	-	-	5.57	-	-
SILSOE	9 9	61	(11.3)	2.7	(7.0)	(-1.5)	17.4	25	-5.6	9	6.6	7.2	24	66	10	26	12	7	1	0	1	2	1	0	8	14	12	-	5.24	99	-
WOBURN	9 9	89	11.2	2.5	6.9	-1.4	16.7	25	-5.6	9	6.9	7.0	33	75	12	26	17	10	4	0	0	0	0	0	8	14	-	0	4.83	96	-
HERTFORDSHIRE																																
ALDENHAM SCHOOL	9 9	91	11.6	2.9	7.3	-	17.0	25	-3.6	10	7.8	-	36	79	9	26	16	12	2	0	2	0	2	0	5	19	11	0	-	-	-
GARSTON	9 9	78	11.6	3.2	7.4	-	16.0	12.22	-3.9	10	-	-	41	90	11	26	18	12	5	0	1	0	2	0	5	13	9	0	5.35	-	-
HODDESDON	9 9	43	12.2	3.5	7.9	-	16.5	22.25	-3.7	10	8.3	-	31	70	7	26	16	10	2	0	0	1	1	-	6	14)	-	0	5.14	-	-
ROTHAMSTED	9 9	128	11.1	2.7	6.9	-1.3	15.6	25	-3.3	10	6.8	6.7	31	65	11	26	16	10	4	0	0	0	2	0	8	19	-	0	5.33	105	-
ST ALBANS	9 9	83	11.3	3.3	7.3	-1.1	15.6	22.25	-3.6	10	7.1	-	32	74	11	26	18	9	3	0	1	0	1	0	6	21	-	0	5.34	-	-
STANSTEAD ABBOTTS	9 9	30	11.8	(3.3)	(7.5)	-	16.4	23.24	-4.0	10	8.0	8.2	27	66	7	26	16	8	-	0	-	-	-	0	7	16	-	-	-	-	-
ESSEX																																
CLACTON-ON-SEA	9 9	16	11.5	4.3	7.9	-0.6	15.9	22	-1.5	9	8.2	8.2	24	67	5	23	14	8	1	0	0	0	1	0	3	13	-	0	5.04	88	-
HALSTEAD	9 9	70	11.3	3.1	7.2	-	16.0	25	-3.3	10	7.0	7.1	27	-	7	26	16	9	4	0	3	0	1	0	6	14	-	0	-	-	-
HARLOW	9 9	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITTLE PARNDON	9 9	54	11.5	3.3	7.4	-	16.1	22	-4.7	10	-	-	31	79	7	29	15	8	2	0	0	0	1	0	6	-	-	0	-	-	-
MALDON	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOEBURYNESS	21-9	2	11.6	4.3	7.9	-1.0	15.9	22	-5.2	10	-	-	24	73	5	28	15	7	2	0	3	0	3	0	5	13	9	0	5.64	101	-
STANFORD-LE-HOPE	9 9	6	12.0	3.0	7.5	-	16.5	22	-3.0	10	-	-	21	-	5	26	12	10	1	-	0	0	0	0	7	-	-	0	5.48	-	-
STANSTED	21-9	101	11.1	2.9	7.0	-	16.5	25	-4.0	10	-	-	41	98	8	30	18	11	3	0	2	1	3	0	7	14	10	0	-	-	-
WRITTLE	9 9	32	11.5	2.9	7.2	-1.4	17.1	22	-5.2	10	6.9	-	26	71	6	26	16	10	1	0	2	1	2	0	7	17	-	0	4.45	83	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

APRIL 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (GMT) OF OBSERVATION	MIN. TERMINAL (GMT) OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	BRIGHT SUNSHINE: PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
4 MIDLAND COUNTIES																																
WEST YORKSHIRE																																
BRADFORD	9	9	134	9.9	3.0	6.5	-1.2	14.9	22	-2.0	8	6.5	6.2	59	100	9	23	18	13	2	0	2	2	0	0	4	10	-	0	5.42	119	S
BRAMHAM	9	9	54	11.2	3.2	7.2	-	17.7	25	-3.4	18	-	-	29	62	5	25	19	11	2	0	0	0	1	0	3	12	-	0	-	-	-
HUDDERSFIELD																																
OAKES	21-9		232	10.1	2.7	6.4	-1.0	15.3	25	-2.5	8	6.2	5.6	74	105	13	21	20	15	5	0	3	0	1	0	4	14	13	3	5.40	125	-
RAVENSKNOWLE	9	9	99	(10.6)	(3.4)	(7.0)	(-0.9)	15.9	25	-2.5	9	7.0	6.8	50	89	8	23	22	13	1	0	0	1	0	0	3	11	-	0	5.74	141	-
ILKLEY	9	9	83	10.1	(3.0)	(6.5)	(-1.3)	15.0	25	-2.5	9,18	-	-	73	116	10	25	17	12	1	0	2	0	0	0	3	10	-	0	5.25	115	-
TODMORDEN	9	9	160	9.4	2.6	6.0	-	13.8	22	-3.5	8	-	-	102	-	18	21	20	15	2	0	3	3	2	0	6	-	-	1	-	-	-
PONTEFRACT	9	9	78	10.5	3.4	6.9	-1.2	16.7	25	-1.3	8,10	-	-	20	49	5	25	14	8	1	0	1	3	0	0	4	-	-	1	-	-	-
WILSDEN	9	9	262	8.9	1.8	5.3	-	13.3	25	-3.1	8	-	-	87	-	16	1	19	14	3	1	4	0	0	1	7	10	8	0	-	-	-
SOUTH YORKSHIRE																																
FINNINGLEY	21-9		10	11.4	3.5	7.5	-	18.2	22	-1.8	18	-	-	38	95	11	25	18	14	4	0	0	3	1	0	5	16	8	0	5.83	-	-
SHEFFIELD																																
DORE	9	9	206	10.2	2.7	6.5	-	15.0	25	-2.2	8	-	-	55	-	12	1	20	11	6	0	5	3	1	0	3	-	-	3	-	-	-
WESTON PARK	9	9	131	10.6	3.6	7.1	-1.2	16.0	25	-1.2	18	7.1	6.7	45	83	9	1	19	11	1	0	0	1	0	-	2	-	-	0	5.98	139	-
DERBYSHIRE																																
ASHOVER	9	9	178	10.0	2.7	6.3	-	14.4	22	-3.3	9	-	-	54	-	8	25.30	18	12	4	0	0	4	1	0	6	11	-	0	5.05	-	-
BUXTON	9	9	307	8.3	2.1	5.2	-1.3	13.2	25	-2.4	8,18	5.3	5.4	111	125	11	22	26	22	6	2	2	0	0	1	7	11	-	2	-	-	S
DERBY	9	9	48	11.1	3.7	7.4	-	15.8	25	-1.5	8,9	-	-	28	62	7	26	16	8	0	0	0	0	0	0	3	12	-	0	4.44	-	-
MORLEY	9	9	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WINGERWORTH	9	9	126	10.4	2.4	6.4	-	15.5	25	-5.0	9	6.8	-	51	-	7	25	20	12	3	0	0	1	1	0	6	19	-	0	5.33	-	-
NOTTINGHAMSHIRE																																
MANSFIELD	9	9	114	10.3	3.2	6.7	-1.5	16.5	25	-3.0	9	-	-	41	-	7	25	19	13	2	0	0	0	0	0	4	9	-	0	-	-	-
NEWTHORPE	9	9	58	-	-	-	-	-	-	-	-	-	-	31	-	4	25	14	13	-	-	-	-	-	-	-	-	-	-	-	-	-
NOTTINGHAM	9	9	59	(11.0)	(3.9)	(7.5)	(-1.0)	17.0	25	-1.0	8	(6.7)	(6.6)	-	-	-	-	-	-	2	0	1	0	1	0	(2)	(17)	-	2	(4.60)	(107)	-
SUTTON BONINGTON ...	9	9	48	11.2	3.3	7.3	-1.0	17.0	25	-2.2	18	7.0	6.9	37	86	7	26	16	10	2	0	0	1	0	0	5	16	13	0	4.86	104	-
WARSOP	9	9	46	10.9	3.0	6.9	-	16.1	25	-3.1	9	-	-	45	108	7	25	21	14	4	0	0	1	0	0	7	15	-	1	5.50	-	-
WATNALL	21-9		117	10.6	3.4	7.0	-1.3	16.6	25	-2.1	8	-	-	36	75	5	26	17	10	4	0	2	3	2	0	4	15	10	0	4.80	104	-
STAFFORDSHIRE																																
KEELE	9	9	179	9.7	2.5	6.1	-	14.7	25	-4.2	8	6.3	6.2	60	114	13	25	21	15	2	0	0	6	0	0	6	16	11	0	4.54	-	S
OAKEN	9	9	125	10.6	2.5	6.5	-1.4	14.7	25	-3.6	8	7.1	-	45	94	9	25	18	14	1	0	3	0	2	0	6	13	-	0	-	-	S
PENKRIDGE	9	9	101	10.5	1.9	6.2	-	16.0	25	-5.0	8	-	-	53	113	9	25	22	15	1	0	0	2	0	0	9	18	-	0	-	-	-
STONE	9	9	107	10.1	2.5	6.3	-	16.4	25	-5.0	8	-	-	49	98	11	25	21	12	4	0	4	1	0	0	8	15	-	0	4.66	-	-
LEICESTERSHIRE																																
CALDECOTT	9	9	52	11.3	2.6	6.9	-	17.4	25	-5.0	9	-	-	26	68	8	26	14	8	2	0	0	0	1	0	6	16	-	0	5.01	-	-
NEWTOWN LINFORD ...	9	9	119	10.8	2.5	6.7	-	15.7	12.25	-3.4	9	-	-	32	67	7	26	18	10	5	0	0	0	1	0	6	14	-	0	4.91	-	-
SALOP																																
HAMPTON LOADE	9	9	64	11.3	3.2	7.3	-	15.8	25	-4.3	8	-	-	50	-	9	25	17	15	-	-	-	-	-	-	7	-	-	-	6.15	-	-
NEWPORT	9	9	64	11.1	2.8	6.9	-1.0	15.8	25	-4.6	8	-	-	50	119	11	25	19	14	6	0	4	1	2	0	6	19	-	1	5.31	113	-
OSWESTRY	9	9	174	9.8	3.2	6.5	-1.4	14.0	12	-2.4	9	-	-	58	103	11	25	21	16	2	0	0	3	0	0	3	14	-	0	5.37	106	-
PRESTON MONTFORD ...	9	9	67	11.5	(3.2)	(7.3)	-	15.9	12	-3.2	8	7.9	7.3	44	-	13	25	19	13	2	0	1	0	1	0	8	17	-	1	5.92	-	-
SHAWBURY	21-9		72	11.0	3.0	7.0	-1.2	16.3	25	-4.5	8	-	-	55	127	15	25	19	15	4	1	3	1	0	0	10	17	11	0	5.14	103	-
SHREWSBURY	9	9	56	11.0	3.7	7.3	-1.2	15.4	12.25	-2.5	8	7.9	7.8	47	115	11	25	19	14	1	0	0	0	0	0	6	12	-	0	5.13	104	-
WEST MIDLANDS																																
BIRMINGHAM																																
EDGBASTON	21-9		163	10.3	3.9	7.1	-1.4	14.8	25	-1.1	8	6.4	7.2	51	95	10	26	17	13	4	0	5	0	0	0	2	(10)	(9)	0	5.13	113	-
ELMDON AIRPORT ...	21-9		96	10.9	3.1	7.0	-1.1	15.9	25	-3.2	18	-	-	36	-	7	26	17	9	2	0	2	2	2	0	7	14	12	0	5.15	105	-
KING EDWARD SCHOOL ...	9	9	137	10.9	3.1	7.0	-	15.6	25	-3.2	9	-	-	46	93	9	25	17	13	-	0	-	-	-	0	3	-	-	-	-	-
COVENTRY AIRPORT ...	9	9	81	10.9	2.5	6.7	-	15.3	12.25	-2.6	18	6.8	6.9	39	-	7	23	19	11	1	0	2	0	1	0	7	-	-	1	4.88	-	-
WARWICKSHIRE																																
LONG LAWFORD	9	9	87	11.4	2.6	7.0	-	16.3	12	-3.7	8	7.4	-	40	-	10	26	15	12	5	1	3	0	1	0	7	17	-	0	-	-	-
LUDDINGTON	9	9	56	11.4	3.0	7.2	-	15.7	12.25	-4.2	8	-	-	37	-	8	26	16	12	3	0	1	0	0	0	7	15	-	0	5.79	-	-
MORETON MORRELL ...	9	9	85	11.3	2.7	7.0	-	16.1	12	-4.2	8	-	-	36	89	7	26	19	12	2	0	0	1	0	0	7	16	-	0	5.13	-	-
RUGBY	9	9	117	11.4	2.9	7.1	-1.3	16.2	12	-2.5	8	7.4	7.3	38	89	10	26	15	10	2	0	0	2	1	0	7	12	6	2	-	-	-
SHIPSTON-ON-STOUR ...	9	9	111	11.1	3.2	7.1	-1.4	15.8	25	-2.5	8	7.4	-	33	78	7	26	14	12	3	0	0	2	1	0	4	(19)	-	1	5.60	108	-
STRATFORD-UPON-AVON ...	9	9	49	11.5	2.5	7.0	-1.4	16.0	12	-5.0	8	8.2	-	43	102	7	26	17	12	-	0	-	-	-	0	8	14	-	-	(4.73)	(96)	-
WELLESBOURNE	9	9	47	11.5	2.9	7.2	-	16.1	12	-3.9	8	(7.0)	6.9	32	80	6	26	17	12	-	0	-	-	-	-	7	12	10	-	(5.65)	-	-
NORTHAMPTONSHIRE																																
BUGBROOKE MILLS ...	9	9	69	10.9	3.0	6.5	-	14.5	22	-4.0	9	6.8	7.0	30	72	9	26	16	9	0	0	0	0	0	0	4	-	-	0	5.03	-	-
MOULTON PARK	9	9	122	10.8	(2.7)	(6.7)	-	16.4	25	-3.1	9	7.1	6.9	25	-	8	26	15	8	0	0	0	0	0	0	6	16	-	0	-	-	S
RAUNDS	9	9	59	12.0	2.4	7.2	-1.1	18.1	25	-4.5	9	7.5	7.3	25	63	9	26	12	8	2	0	0	2	2	0	7	19	-	0	4.90	102	S
HEREFORD & WORCESTER																																
ASTWOOD BANK	9	9	139	11.4	2.8	7.1	-	16.0	12	-4.0	8	-	-	42	-	7	26	17	11	3	1	2	3	2	0	4	14	-	0	-	-	-
HEREFORD	9	9	52	11.8	(3.5)	(7.7)	-	15.7	12	-2.6	8	7.9	8.0	31	73	8	25	18	9	2	0	0	1	1	0	4	16	-	0	6.05	-	-
LYONSHALL	9	9	155	10.9	3.4	7.1	-1.2	14.8	12	-2.8	8	-	-	43	78	10	23	17	11	-	0	-	-	-	-	5	18	-	-	-	-	-
MALVERN	9	9	62	11.6	4.5	8.1	-	14.8	25	0.3	8	7.8	7.3	44	90	7	26	18	12	3	0	2	0	1	0	0	9	-	0	5.31	103	-
PERSHORE																																
COLLEGE OF HORT. ...	9	9	40	11.7	3.7	7.7	-	16.0	12	-3.2	8	-	-	39	92	9	26	16	10	1	0	0	0	2	0	4	14	-	1	5.92	-	-
ROYAL RADAR EST. ...	21-9		35	11.5	3.6	7.5	-	15.6	25	-4.0	8	-	-	42	105	9	26	17	10	2	0	1	3	2	0	6	14	11	0	5.96	-	-
PRESTON WYNNE	9	9	84	11.1	3.0	7.1	-	14.9	21	-3.0	8	-	-	37	83	9	25	16	12	2	0	0	0	0	0	5	15	-	0	5.58	-	-
GLOUCESTERSHIRE																																
CHELTENHAM	9	9	65	11.1	4.1	7.6	-1.5	15.3	16	-4.3	8	-	-	58	129	8	26	18	13	0	0	0	0	0	0	4	-	-	0	5.04	97	-
INNSWORTH	21-9		21	11.5	4.1	7.8	-	15.5	12	-4.1	8	-	-	42	-	11	26	15	11	1	0	0	3	0	0	6	13	8	0	5.46	-	-
OXFORDSHIRE																																
BENSON	21-9		67	11.6	3.6	7.6	-	16.5	25	-3.2	8	-	-	29	-	8	26	16	8	2	0	2	2	2	0	5	15	-	0	5.37	-	-
BRIZE NORTON	21-9		81	11.0	3.6	7.3	-	15.9	12	-2.5	8	-	-	37	-	7	26	16	12	3	0	2	1	1	0	4	15	9	0	5.43	-	-
LETCOMBE REGIS	9	9	107	(11.2)	(2.7)	(6.9)	-	16.1	25	-3.5	8	(7.9)	-	41	93	9	30	16	11	4	0	1	0	1	0	-	-	-	0	-	-	-
OXFORD	9	9	63	11.6	3.8	7.7	-1.4	16.8	25	-2.4	8	7.8	7.6	41	97	11	26	17	10	2	0	5	0	2	0	4	12	-	1	5.26	98	-
SHIRBURN(MODEL FARM) ...	9	9	108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WALLINGFORD	9	9	48	11.5	2.8	7.1	-	16.0	12.25	-3.4	8	7.7	7.7	30	80	7	26	13	9	1	0	1	1	2	0	11	15	-	0	5.01	-	-
BUCKINGHAMSHIRE																																
AYLESBURY	9	9	96	11.3	2.0	6.7	-1.6	15.6	25	-3.7	8,10	-	-	36	87	11	26	13	8	1	0	1	1	0	0	9	15	-	0	5.23	105	-
GRENDON UNDERWOOD ...	9	9	67	11.3	1.5	6.4	-	16.3	25	-4.2	10	7.3	7.3	39	92	10	26	15	10	0	0	0	0	0	1	11	21	-	0	5.27	-	-
MEDMENHAM	9	9	30	(11.9)	(2.7)	(7.3)	-	16.1	22	-3.6	10	-	-	(36)	(79)	(9)	26	(15)	(9)	-	-	-	-	-	-	10	15)	-	-	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

APRIL 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (LIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIP-ITATION 0.2 MM OR MORE	PRECIP-ITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
5 ENGLAND SE & CENTRAL S.																																
GREATER LONDON																																
BROMLEY	9 9	65	11.8	3.9	7.9	-1.4	16.0	22,23	-2.0	9,10	-	-	34	78	8	26	15	9	-	0	-	-	-	-	3	-	-	0	-	-	-
ENFIELD	9 9	17	12.1	5.0	8.5	-	17.1	22	-0.6	10	7.7	7.8	33	-	7	26	19	9	2	0	0	0	0	1	16	-	-	0	-	-	-
GREENWICH	9 9	7	12.0	4.5	8.3	-	16.7	22	-2.8	10	-	-	29	72	8	26	19	8	1	0	0	0	2	0	3	12	-	0	5.20	-	-
HAMPSTEAD	9 9	137	(11.2)	(3.3)	(7.3)	-	15.7	22	-2.4	8	-	-	36	78	10	29	13	9	1	0	0	0	0	0	3	(17)	-	0	-	-	S
HAMPTON	9 9	12	11.5	4.2	7.9	-1.5	15.6	22	-2.3	10	-	-	25	61	5	26	17	8	2	0	0	0	1	0	3	16	-	0	5.11	95	-
HARROW WEALD	9 9	98	11.7	2.7	7.2	-	16.0	22	-3.0	10	7.9	7.9	32	-	8	26	17	8	-	-	-	-	-	-	5	11	-	-	-	-	-
HEATHROW AIRPORT	21-9	25	12.1	4.3	8.2	-1.2	17.1	22	-2.6	10	-	-	33	82	8	26	14	8	2	0	4	0	4	0	4	14	6	0	5.04	-	-
KENSINGTON PALACE	9 9	25	12.0	4.6	8.3	-1.5	16.9	22	-1.2	10	8.6	8.4	36	85	9	26	18	8	0	0	0	0	0	0	2	16	-	0	-	-	-
KEW	21-9	6																													
PSYCHROMETER			11.6	3.7	7.7	-	16.7	22	-3.9	10	7.6	7.8	26	65	7	26	15	7	2	0	0	3	3	0	4	12	10	0	5.50	102	-
NORTH WALL SCREEN			11.9	4.8	8.3	-1.2	17.0	22	-1.9	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LONDON WEATHER CENTRE (X)	21-9	77	12.3	5.8	9.1	-	16.8	22	0.4	8	-	-	27	-	8	26	13	7	2	0	3	0	4	0	0	-	-	0	5.24	104	-
ST JAMES PARK	9 9	4	12.2	-	-	-	17.3	22	-	-	-	-	32	77	8	26	17	8	-	0	-	-	-	-	-	11	-	-	-	-	-
SOUTHGATE	9 9	67	-	3.8	-	-	-	-	-1.7	9,10	7.5	-	29	67	7	26	16	10	2	0	0	0	0	0	3	15	-	0	5.84	119	-
WADDON	9 9	59	(11.8)	(3.6)	(7.7)	(-1.4)	16.0	12,22	(-2.0)	10	-	-	30	66	7	26	14	9	-	-	-	-	-	-	-	(5)	-	-	-	-	-
WEALDSTONE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILTSHIRE																															
BOSCOMBE DOWN	21-9	126	11.3	3.2	7.3	-1.3	15.8	25	-3.1	8	-	-	27	60	6	28	14	9	3	0	3	1	2	0	7	17	12	0	6.11	110	-
LACOCK	9 9	49	11.4	2.8	7.1	-	16.4	25	-3.5	8	-	-	27	61	7	28	15	7	-	0	-	-	-	0	9	-	-	-	-	-	-
LARKHILL	9 9	132	11.2	2.9	7.1	-1.2	16.1	25	-3.4	8	-	-	35	76	14	30	12	7	3	0	3	0	2	0	6	14	11	0	-	-	-
LYNEHAM	21-9	145	10.8	3.1	6.9	-1.4	15.7	25	-3.3	8	-	-	36	80	7	28	17	8	4	0	2	3	1	0	7	17	15	0	5.52	-	-
PORTON	9 9	110	11.3	2.4	6.9	-1.4	15.8	25	-4.0	10	6.9	-	27	59	6	28	14	9	-	0	-	-	-	0	8	18	14	0	5.60	101	-
TROWBRIDGE	9 9	37	11.8	3.2	7.5	-	16.9	25	-5.0	8	8.0	-	24	-	7	28	13	6	2	0	1	2	2	0	8	16	-	0	-	-	-
UPAVON	21-9	179	11.2	2.9	7.1	-	15.2	25	-3.5	8	-	-	33	70	7	23	15	8	4	0	2	2	3	0	6	18	9	0	-	-	-
BERKSHIRE																															
EASTHAMPSTEAD	9 9	77	11.6	2.2	6.9	-	16.7	22	-4.8	10	7.5	7.5	33	-	9	26	15	6	2	0	0	3	3	0	11	17	12	0	5.28	-	-
HURLEY	9 9	43	11.4	(3.3)	(7.3)	-	15.7	22	-3.4	9,10	7.4	-	36	80	9	26	15	9	1	0	1	0	0	0	6	(14)	-	0	4.63	-	-
LAMBOURN(WARREN FARM)	9 9	192	10.3	2.5	6.4	-	15.2	25	-2.6	8	7.0	-	43	-	10	26	16	11	-	0	-	-	-	1	7	-	-	-	-	-	-
READING	9 9	66	11.5	3.4	7.5	-	15.5	12,25	-2.3	10	7.5	7.5	33	-	10	26	15	9	2	0	2	3	4	0	4	18	16	1	5.57	-	-
SHINFIELD(N.I.R.D.)	9 9	62	11.5	3.2	7.3	-	16.0	22	-2.6	10	-	-	36	-	9	26	13	9	2	0	0	0	0	0	6	17	-	0	5.43	-	-
SURREY																															
MERRIST WOOD	9 9	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICKLEHAM	9 9	55	11.7	2.2	6.9	-1.6	15.5	21	-4.5	8,10	7.5	7.4	34	70	7	26	15	9	2	0	3	0	1	0	11	-	-	0	-	-	-
WISLEY	9 9	35	12.2	3.1	7.7	-1.4	16.7	22	-3.6	10	7.4	7.7	25	60	8	28	14	6	2	0	1	0	1	0	8	15	-	1	5.58	107	-
KENT																															
DOVER R.M.S.	9 9	123	9.9	3.6	6.7	-	14.0	12	-0.4	8	-	-	41	86	7	26	19	13	1	0	0	0	0	2	2	11	-	0	-	-	-
DUNGENESS	9 9	3	10.7	4.9	7.8	-	14.3	13	-2.1	10	-	-	34	87	5	26	17	11	3	0	1	0	1	2	5	-	-	0	-	-	-
EAST MALLING	9 9	32	11.4	3.5	7.5	-1.2	15.6	12	-2.0	10,19	7.4	7.5	31	70	7	28	14	8	2	0	0	2	0	0	7	18	11	0	5.37	100	-
ELMSTONE	9 9	5	12.0	3.1	7.5	-	15.7	12,13,22	-3.7	16	-	-	38	103	7	28	16	11	2	0	0	1	0	0	7	13	-	0	-	-	-
FAVERSHAM	9 9	48	11.6	3.7	7.7	-	15.9	23	-2.5	19	7.1	7.5	26	66	6	28	14	7	0	0	1	0	1	0	6	11	-	0	5.32	-	-
FOLKESTONE	9 9	31	10.8	3.4	7.1	-	14.9	12	-3.0	9	-	8.1	35	84	5	26	19	13	3	0	0	1	0	1	7	16	-	1	5.82	96	-
GILLINGHAM	9 9	4	12.0	4.1	8.1	-	16.6	22	-1.2	8	-	-	33	80	8	29	11	8	-	-	-	-	-	-	4	-	-	-	-	-	-
GOUDHURST	9 9	85	11.0	2.9	6.9	-1.4	15.2	12	-4.0	10	-	-	29	56	7	26	13	9	3	0	0	0	0	0	9	13	-	0	-	-	-
HADLOW COLLEGE	9 9	30	(11.6)	(2.7)	(7.1)	-	15.6	12	-3.8	9	(7.6)	(7.8)	29	-	7	26	14	9	4	0	0	0	1	0	11	16	-	1	4.44	-	-
HERNE BAY	9 9	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MANSTON	21-9	44	11.1	4.1	7.6	-	15.2	21	-1.1	16	-	-	30	88	4	28	17	10	5	0	0	8	1	0	3	9	7	0	5.81	-	-
MARGATE	9 9	16	10.9	5.2	8.1	-0.9	15.4	21	1.4	8	7.9	7.9	30	90	6	28	12	9	1	0	1	2	0	0	3	3	-	0	5.71	94	-
ULCOMBE	21-9	47	11.6	2.9	7.3	-	15.4	12	-2.8	10	-	-	22	-	5	26	12	7	2	0	0	0	2	0	8	19	13	0	5.46	-	-
WYE	9 9	56	11.0	3.1	7.1	-1.5	15.2	12	-2.1	9	7.5	7.7	33	74	7	28	17	9	0	0	1	1	1	0	7	20	-	0	5.24	93	-
HAMPSHIRE																															
ALICE HOLT LODGE	9 9	115	11.2	2.7	6.9	-1.5	15.4	12	-3.7	10	-	-	28	55	7	26	15	9	3	0	1	0	2	0	8	15	-	0	5.46	-	S
EVERTON	9 9	16	11.1	4.1	7.6	-	16.1	12	-3.0	10	-	-	26	55	7	28	13	7	2	0	1	0	0	0	3	15	-	0	6.39	-	-
HAYLING ISLAND	9 9	4	11.3	4.7	8.0	-	15.6	12,13	-1.5	10	-	-	23	58	11	28	7	4	0	0	0	0	0	0	1	-	-	2	6.05	-	-
LECKFORD	9 9	117	11.4	3.1	7.3	-1.2	15.4	22	-3.2	8	6.9	-	27	51	7	26	13	8	0	0	1	0	0	0	5	-	-	0	5.44	100	-
LONG SUTTON	9 9	145	11.0	2.9	6.9	-	15.3	22,23	-3.4	8	7.6	7.5	38	78	10	26	17	8	3	0	3	1	0	0	5	13	11	0	5.64	104	-
MARTYR WORTHY	9 9	84	11.5	2.6	7.1	-	15.9	12	-3.7	10	-	-	26	53	8	26	12	8	0	0	1	1	0	0	8	(15)	-	0	5.20	-	-
SOUTHAMPTON MAYFLOWER PARK	9 9	3	12.0	4.5	8.3	-1.4	16.1	12	-1.6	8	9.2	9.9	25	-	6	26	11	7	3	0	0	4	1	0	3	15	6	0	5.97	104	-
WEATHER CENTRE (X)	21-9	19	12.1	4.9	8.5	-	16.0	12	-1.1	8	-	-	26	-	6	26	12	8	3	-	0	4	1	0	2	-	5	0	-	-	-
SOUTHSEA	9 9	2	11.4	5.1	8.3	-1.2	15.7	12	-0.9	10	9.0	8.9	28	70	13	28	9	5	1	0	0	1	1	0	2	12	-	0	-	-	-
SPARSHOLT	9 9	113	11.3	2.7	7.0	-	15.0	25	-3.0	10	-	-	31	-	9	26	11	10	0	0	0	0	1	0	5	13	-	0	4.82	-	-
ISLE OF WIGHT																															
RYDE	9 9	4	11.3	5.3	8.3	-1.2	15.8	12	-0.3	10	-	-	29	63	14	28	9	4	2	0	2	0	0	0	1	-	-	0	5.83	96	-
ST CATHERINES POINT	9 9	16	10.1	5.1	7.6	-1.0	13.3	14	-0.6	8	-	-	21	46	7	26	12	6	3	0	0	1	0	0	1	-	-	6	-	-	-
SANDOWN	9 9	4	11.5	4.8	8.1	-1.2	16.2	12	-2.3	10	-	-	21	48	11	28	5	3	1	-	0	0	0	0	3	-	-	0	6.36	100	-
SHANKLIN	9 9	55	10.7	4.7	7.7	-0.8	15.3	12	-1.2	8	-	-	32	59	11	28	12	7	1	0	1	0	0	0	1	-	-	0	6.87	103	-
VENTNOR	9 9	135	11.0	4.7	7.9	-1.0	15.4	12	-1.6	8	8.9	8.8	29	59	8	26	14	6	1	0	0	0	0	1	2	10	-	0	6.62	104	-
WEST SUSSEX																															
BOGNOR REGIS	9 9	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GATWICK AIRPORT	21-9	59	11.4	2.4	6.9	-	15.9	12	-5.5	10	-	-	34	67	10	28	14	7	3	0	0	0	2	0	11	19	11	0	5.56	-	-
HURSTPIERPOINT	9 9	30	11.8	2.5	7.1	-	16.7	12	-5.0	10	-	-	34	-	9	27	14	8	-	-	-	-	-	-	10	-	-	-	-	-	-
LITTLEHAMPTON	9 9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH HEATH	9 9	21	11.9	3.2	7.5	-	17.7	12	-3.9	10	7.9	8.0	33	-	13	28	12	6	0	0	0	0	0	0	8	12	-	0	5.64	-	-
ROGATE	9 9	64	11.6	3.1	7.3	-	15.7	12	-3.1	10	9.0	-	29	-	14	28	13	6	0	0	0	0	0	0	5	21	-	0	-	-	S
RUSTINGTON	9 9	8	11.0	4.0	7.5	-	16.4	12	-2.5	10	-	8.5	32	-	6	1	13	11	-	0	-	-	-	-	5	20	-	-	5.55	-	-
WORTHING	9 9	2	10.9	4.3	7.6	-	15.1	12	-1.6	10	9.1	-	33	-	8	28	14	10	3	0	1	0	0	0	4	(15)	-	0	6.07	-	-
EAST SUSSEX																															
BEXHILL	9 9	4	10.8	4.5	7.7	-1.0	15.2	13	-1.5	10	8.7	-	27	64	8	1	14	6	2	0	0	0	0	1	1	13	-	0	5.81	99	-
BRIGHTON	9 9	10	(10.8)	(4.2)	(7.5)	(-1.6)	15.4	13	-1.5	8	-	9.2	28	66	9	1	11	7	1	0	0	0	0	0	2	6	-	3	5.99	100	-
EASTBOURNE	9 9	7	10.9	5.1	8.0	-0.8	16.0	13	-0.3	9	8.8	9.0	30	65	7	1	16	10	1	0	0	0	0	0	1	10	-	1	6.40	101	-
EAST HOATHLY	9 9	38	11.1	2.3	6.7	-	15.6	13	-4.8	10	-	-	32	71	6	28	13	9	2	0	1	3	0	0	12	16	12	0	5.60	-	-
HASTINGS	9 9	45	10.5	4.5	7.5	-1.3	14.5	13	-0.8	10	8.9	9.0	28	65	8	1	13	10	3	0	0	0	0	2	3	15	-	1	5.98	101	-
HERSTMONCEUX	21-9	17	10.9	3.1	7.0	-	15.6	13	-2.6	10	-	-	33	-	13	1	11	9	2	0	0	0	0	0	10	15	-	0	-	-	-
PLUMPTON	9 9	76	10.9	3.7	7.3	-	15.5	12	-2.5	9	-	-	36	59	10	28	10	8	-	0	-	-	-	1	5	13	-	-	6.11	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

APRIL 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL H(GMT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
7A ENGLAND NW & I.O.M.																																
CUMBRIA																																
CARLISLE	21-9	26	10.3	3.8	7.1	-	13.5	21	-2.1	4	7.7	7.3	45	84	5	25.20	18	15	3	0	1	2	0	0	5	9	7	0	5.12	-	-
CARTMEL	9 9	34	9.4	3.5	6.5	-	11.8	12	-3.6	8	-	-	89	-	16	25	19	16	1	0	0	0	0	2	5	-	-	0	-	-	-
GRIZEDALE	9 9	91	-	(2.3)	-	-	-	-	-4.8	8	6.2	-	108	91	14	25	23	18	0	0	2	0	0	0	7	14	-	0	-	-	-
MOOR HOUSE	9 9	556	5.1	-0.7	2.2	-	9.6	20	-7.4	9	3.1	-	186	136	20	1	26	22	19	5	12	2	0	2	15	21	-	5	3.39	-	-
NEWTON RIGG	9 9	171	9.7	2.9	6.3	-0.8	13.2	25	-2.3	8	7.0	-	62	106	8	21	24	17	2	0	0	0	0	0	5	12	-	0	(4.77)	(101)	S
SELLAFIELD	9 9	13	9.1	4.1	6.6	-	12.7	27	-1.0	8	-	-	55	85	8	19	19	13	-	0	-	-	-	4	2	4	-	-	3.97	-	-
LANCASHIRE																																
HAZELRIGG	9 9	94	9.1	3.3	6.2	-	11.3	25	-2.0	9	-	-	75	-	21	25	18	14	5	0	0	5	0	1	3	10	-	1	4.71	-	-
HELMSHORE	9 9	260	8.5	2.2	5.3	-	12.6	22	-2.1	9	6.3	-	131	138	22	21	23	19	3	0	1	0	0	2	5	14	-	0	4.56	-	-
KIRKHAM	9 9	24	9.7	3.8	6.7	-	12.5	22	-4.4	8	-	-	61	105	15	25	19	12	0	0	1	2	0	0	4	10	-	0	5.34	-	-
MORECAMBE	9 9	7	9.9	4.3	7.1	-1.2	11.4	25	-0.5	9	-	-	64	105	19	25	18	14	1	0	0	0	0	1	-	-	-	0	4.89	93	-
PRESTON	9 9	33	10.1	4.1	7.1	-	13.6	25	-2.9	8	-	-	81	128	19	21	19	15	2	0	0	2	0	1	3	10	-	0	-	-	-
SLAIDBURN	9 9	192	9.1	2.2	5.7	-	11.5	25	-4.2	9	-	-	161	168	43	21	22	18	8	0	1	0	0	0	6	10	-	0	5.27	-	-
SQUIRES GATE AIRPORT	21-9	10	9.9	4.8	7.3	-0.7	13.2	22	-3.2	8	-	-	48	91	13	25	17	10	1	0	0	0	0	0	3	5	4	1	5.32	92	-
STONYHURST	9 9	115	9.2	(2.9)	(6.1)	(-1.6)	12.4	25	-2.8	8	-	-	136	179	34	21	20	16	-	0	-	-	-	1	5	8	-	-	4.81	102	-
MERSEYSIDE																																
AIGBURTH	9 9	12	10.3	4.9	7.6	-	14.2	25	-1.0	8	-	-	36	-	8	25	19	12	1	0	0	1	0	0	2	5	4	1	-	-	-
BIDSTON	9 9	60	9.8	4.7	7.3	-	14.3	22	0.6	8	-	-	35	-	7	25	18	15	1	-	1	0	1	1	0	6	-	0	5.75	-	-
ST HELENS	9 9	76	10.4	3.9	7.1	-	14.7	22	-2.2	8	(7.9)	-	49	-	9	25	19	15	-	-	-	-	-	-	3	-	-	-	5.45	-	-
SOUTHPORT	9 9	5	9.7	4.0	6.9	-1.3	14.4	25	-2.8	8	(7.7)	8.1	57	111	15	25	17	11	-	-	-	-	-	-	3	8	-	-	5.81	104	-
SPEKE AIRPORT	21-9	22	10.9	4.7	7.8	-1.1	18.0	25	-1.7	8	-	-	36	-	8	25	19	13	4	0	0	6	1	0	2	9	5	1	5.83	120	-
WEST KIRBY PARK	9 9	8	11.0	4.8	7.9	-0.8	15.2	22	-0.7	9	-	-	39	82	7	25	18	14	0	0	1	0	0	-	3	4	-	0	-	-	-
GREATER MANCHESTER																																
BOLTON	9 9	107	9.8	3.2	6.5	-	13.9	25	-3.2	8	6.4	6.2	77	-	12	21	18	15	1	0	0	0	0	0	4	9	-	2	4.95	107	-
MANCHESTER																																
RINGWAY AIRPORT	21-9	75	10.1	4.1	7.1	-1.2	15.0	25	-1.5	8	-	-	56	105	10	23	22	12	2	0	3	0	1	0	2	9	6	0	4.98	104	-
WEATHER CENTRE (X)	21-9	69	10.6	4.8	7.7	-	15.4	22.25	-0.1	8	-	-	62	-	10	23	17	12	-	-	-	-	-	0	1	-	-	0	4.76	-	-
CHESHIRE																																
KNUTSFORD	9 9	65	10.7	2.9	6.8	-	15.5	25	-3.0	8	7.0	6.7	62	111	10	25	19	16	2	0	0	0	0	0	6	14	-	0	-	-	-
MACCLESFIELD	9 9	152	9.7	3.0	6.3	-1.6	14.1	25	-4.0	8	-	-	69	116	11	25	21	15	3	0	1	2	0	2	4	-	-	0	-	-	-
NESS GARDENS	9 9	55	10.6	3.8	7.2	-	15.1	12	-1.4	8	7.5	-	32	72	8	25	18	12	1	0	1	0	1	0	3	14	-	2	5.46	-	S
ISLE OF MAN																																
DOUGLAS	9 9	87	9.4	4.2	6.8	-0.9	13.5	12	-0.4	4	-	-	62	88	9	27	20	14	3	0	1	1	0	1	3	5	-	2	5.83	101	-
POINT OF AYRE	21-9	9	11.1	5.3	8.2	-0.2	15.2	25	2.5	4.8	-	-	43	87	10	27	21	13	0	0	1	0	0	0	-	-	-	2	(6.10)	(103)	-
RONALDSWAY AIRPORT	21-9	16	9.8	4.7	7.3	-0.5	13.5	12	-1.6	4	-	-	48	90	7	27	20	13	2	0	1	3	0	0	3	7	3	2	5.63	99	-
7B WALES N																																
GWYNEDD																																
ABER	9 9	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALA	9 9	163	9.2	2.9	6.1	-	11.9	12	-4.8	8	6.7	6.8	82	100	15	20	17	16	4	0	1	1	0	0	8	10	10	0	4.50	-	-
BARDSEY ISLAND	21-9	16	9.3	5.7	7.5	-	11.6	12	0.1	8	-	-	63	122	9	19	18	15	1	0	0	0	1	3	0	1	1	2	-	-	-
BETWS-Y-COED	9 9	15	11.0	3.5	7.3	-	15.9	12	-2.4	8	7.7	-	114	-	19	22	22	18	2	0	1	0	0	1	6	10	-	0	-	-	-
BOTWNNOG	9 9	34	10.1	4.9	7.5	-	14.5	12	1.0	5	8.2	8.6	71	111	12	19	17	16	0	0	0	0	0	1	0	3	-	0	5.47	-	-
CWMYSTRADLLYN	9 9	204	8.6	3.2	5.9	-	13.0	13	-1.0	8	-	-	175	-	27	20	22	22	-	-	-	-	-	-	1	-	-	-	4.03	-	-
LLYN ALAW	9 9	44	9.7	4.4	7.1	-	14.0	12	0.5	9	-	-	74	-	11	19	20	15	-	-	-	-	-	-	0	-	-	-	5.98	-	-
PEN-Y-FFRIDD	9 9	84	10.1	4.3	7.2	-	13.1	22	-1.5	8	-	-	95	137	15	21	18	14	2	0	0	1	0	0	2	14	-	0	4.84	-	-
TRAWSFYNYDD	9 9	193	(8.9)	(2.9)	(5.9)	-	12.0	12	(-4.0)	8	-	-	135	123	33	20	21	18	-	0	-	-	-	-	2	(3)	(11)	(10)	-	-	-
VALLEY	21-9	10	10.1	5.6	7.9	-0.6	13.5	12	-0.1	4.8	-	-	58	112	11	19	17	13	1	0	0	3	0	0	2	5	3	1	6.09	103	-
CLWYD																																
ALWEN	9 9	335	7.6	1.6	4.6	-	11.5	12	-5.2	8	-	-	101	123	14	25	25	18	-	-	-	-	-	-	10	15	-	-	-	-	-
BWLCHGWYN	9 9	386	7.9	1.6	4.7	-	12.7	25	-3.5	8	5.1	-	71	97	12	25	22	17	2	1	1	0	0	1	7	11	-	0	-	-	-
COLWYN BAY	9 9	24	10.4	5.0	7.7	-	15.3	21	-2.3	8	8.2	-	66	141	12	25	20	14	0	0	0	0	0	0	2	-	-	0	5.77	103	-
CORWEN	9 9	144	9.8	2.5	6.1	-	13.3	12	-4.3	8	-	-	71	107	14	21	20	17	2	0	0	0	0	-	8	12	-	0	-	-	-
HAWARDEN BRIDGE	9 9	5	12.1	4.5	8.3	-0.6	16.2	24	-1.2	8	-	-	30	68	7	25	18	11	1	0	0	1	0	0	3	-	-	2	-	-	-
LLOGGERHEADS	9 9	210	9.0	2.4	5.7	-	13.7	12	-3.9	8	6.4	6.3	51	88	8	11	21	13	6	0	0	1	0	0	6	11	-	0	5.16	-	S
PRESTATYN	9 9	4	10.2	5.0	7.6	-1.1	14.5	20.22	-1.3	8	-	-	45	109	9	25	22	15	0	0	0	0	0	0	2	-	-	0	5.53	108	-
RUTHIN	9 9	76	10.6	3.4	7.0	-	15.4	12	-4.0	8	-	-	37	73	7	25	17	12	1	0	0	0	0	0	7	-	-	0	4.97	-	-
POWYS(NORTH)																																
LAKE VYRNWY	9 9	303	8.0	2.2	5.1	-1.6	11.7	12	-3.8	8	5.6	-	141	131	26	21	21	17	4	1	7	0	1	0	8	12	-	1	-	-	-
MOEL CYNNEDD	9 9	358	8.2	1.6	4.9	-	11.8	17	-5.1	8	5.7	-	178	-	26	21	24	20	7	3	3	2	0	0	10	15	-	0	-	-	-
8A WALES S																																
DYFED																																
ABERPORTH	21-9	134	9.3	4.9	7.1	-1.1	13.2	12	0.8	16	-	-	50	85	12	25	18	10	2	0	2	0	0	0	0	4	4	0	5.88	103	-
ABERYSTWYTH	9 9	4	-	-	-	-	-	-	-	-	-	-	67	107	18	25	21	13	0	0	0	0	0	0	-	-	-	0	-	-	-
BRAWDY	21-9	111	9.3	4.4	6.9	-	13.2	12	-2.1	8	-	-	72	-	16	18	19	12	2	0	0	3	0	3	1	10	6	0	6.16	-	-
BRYNAMMAN	21-9	183	9.9	3.5	6.7	-	14.7	12	-1.9	8	-	-	73	-	23	25	19	16	2	0	6	1	0	0	1	12	-	0	-	-	-
CARMARTHEN	9 9	15	10.9	2.8	6.9	-	15.8	12	-5.0	8	8.1	7.7	62	80	17	25	17	12	0	0	0	2	0	0	8	12	-	2	5.53	-	-
CWMYSTWYTH	9 9	301	(8.1)	(2.1)	(5.1)	-	(11.6)	17	-5.5	8	-	-	139	121	23	25	23	18	-	-	-	-	-	-	9	-	-	-	3.99	-	S
DALE FORT	9 9	33	(10.4)	(5.7)	(8.1)	(-0.8)	13.8	17	0.9	8	(8.9)	-	63	-	20	18	16	10	0	0	0	0	0	1	0	-	-	0	(6.56)	-	-
ESGAIRMEN-UCHAF	9 9	332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOGERDDAN	9 9	31	9.8	4.4	7.1	-	12.4	17	-3.6	8	-	-	56	88	15	25	21	12	2	0	1	0	0	0	4	9	-	0	5.03	-	-
LLETY-EVAN-HEN	9 9	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MILFORD HAVEN (CONSERVANCY BOARD)	21-9	37	10.3	4.8	7.5	-	14.0	17	-1.0	8	-	-	75	135	17	18	17	12	1	0	1	0	0	1	1	8	3	0	-	-	-
ORIELTON	9 9	61	10.5	4.5	7.5	-	14.6	17	-1.5	8	8.8	-	73	119	19	18	16	10	2	0	0	2	0	2	2	10	-	0	-	-	-
SKOKHOLM ISLAND	9 9	35	9.8	5.0	7.4	-	11.7	17	-0.3	8	-	-	58	-	15	18	17	12	0	0	0	0	0	1	1	-	-	0	-	-	-
TENBY	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.35	-	-
TRANSCOED	9 9	61	9.9	3.4	6.7	-	13.1	21	-5.5	8	8.0	-	82	107	16	25	21	19	0	0	1	0	0	2	7	10	-	0	4.83	96	-
TREGARON	9 9	178	9.5	2.9	6.2	-	12.6	12	-6.4	8	-	-	85	-	12	21	21	18	2	1	2	0	0	0	7	11	-	0	4.83	-	-
WHITECHURCH	9 9	130	9.7	3.7	6.7	-	14.2	12	-2.9	8	-	-	65	-	14	25	20	13	1	0	0	5	0	1	4	12	-	1	-	-	-
POWYS(SOUTH)																																
CENARTH	21-9	308	-	-	-	-	-	-	-	-	-	-	98	-	19	23	19	16	-	-	-	-	-	-	-	-	-	-	-	-	-
LLANGENNY	9 9	122	10.8	3.4	7.1	-	14.6	12	-2.4	8	-	-	46	-	12	25	19	13	2	0	1	0	0	-	3	-	-	0	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

APRIL 1977

DISTRICT REGION/COUNTY AND PLACE	HEIGHT (FT) OF TERMINAL OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
8A WALES S CONTINUED																																
WEST GLAMORGAN																																
MUMBLES HEAD	21-9	36	10.3	5.2	7.7	-	14.5	12	0.0	8	-	-	-	-	-	-	-	-	2	0	2	0	0	0	0	1	1	3	-	-	-
NEATH	9 9	62	10.8	4.5	7.7	-	16.0	17	-1.0	8	-	-	63	81	19	25	18	14	2	0	0	2	1	0	1	11	-	0	-	-	-
PENMAEN	9 9	85	10.8	4.5	7.7	-	14.0	17	-1.6	8	8.5	8.5	61	83	15	25	15	13	2	0	0	1	1	3	1	12	10	0	5.48	-	-
PORT TALBOT	9 9	7	11.5	4.9	8.2	-	15.2	12	-2.4	8	-	-	48	70	13	25	14	12	2	0	3	0	0	0	2	-	-	0	-	-	S
SWANSEA	9 9	8	-	-	-	-	-	-	-	-	-	-	78	111	15	26	16	14	0	0	1	0	0	0	-	-	-	0	-	-	S
WHITEFORD BURROWS	9 9	6	11.3	4.4	7.9	-	14.8	17	-2.6	8	-	-	54	-	11	25	16	12	1	0	0	0	0	2	2	-	-	2	-	-	-
MID GLAMORGAN																																
ABERDARE	9 9	174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CILFYNYDD	21-9	194	-	-	-	-	-	-	-	-	-	-	74	-	29	25	15	11	3	0	0	0	0	0	-	-	-	0	-	-	-	
LLWYNON	9 9	242	9.1	2.1	5.6	-	13.0	12	-4.6	8	-	-	96	89	23	25	23	15	4	0	0	0	0	4	9	-	-	0	4.54	-	S	
PORTHCAWL	9 9	6	12.2	4.9	8.5	-	15.0	17	0.5	15	-	-	41	67	12	25	12	10	0	-	0	0	0	0	0	-	-	7	-	-	S	
SOUTH GLAMORGAN																																
BRIDGEND	9 9	43	10.9	4.0	7.5	-	14.3	17	-3.1	8	8.7	8.4	50	-	11	25	15	12	-	-	-	-	-	-	2	9	-	-	-	-	-	
RHOOSE AIRPORT	21-9	67	10.4	4.3	7.3	-	13.6	17	-2.7	8	-	-	34	-	6	23	12	10	3	0	3	0	0	0	2	11	7	0	5.38	-	-	
GWENT																																
CRUMBLAND	9 9	245	9.8	2.9	6.3	-	13.9	12	-3.0	8	6.7	6.8	51	76	11	25	19	13	2	0	0	0	0	5	5	17	-	0	4.98	-	-	
NEWPORT	9 9	23	11.3	-	-	-	14.2	17	-	-	-	-	53	81	12	25	15	12	1	0	0	1	1	1	-	-	-	0	5.64	-	-	
USK	9 9	21	11.7	3.1	7.4	-1.3	16.0	12	-4.5	8	8.7	-	50	77	14	26	14	10	1	0	2	0	0	-	6	14	-	0	-	-	-	
8B ENGLAND SW																																
AVON																																
BATH	9 9	118	(11.0)	(4.1)	(7.5)	-	15.7	25	-2.4	8	8.3)	-	29	59	7	28	13	9	1	0	0	0	0	0	-	-	-	0	-	-	-	
FILTON	21-9	59	11.4	4.5	7.9	-1.0	15.8	25	-1.1	8	-	-	43	89	8	28	18	11	3	0	3	0	1	0	1	11	9	0	5.77	112	-	
LONG ASHTON	9 9	51	11.2	3.9	7.5	-1.4	15.8	25	-3.1	8	8.1	-	45	83	9	28	16	9	3	0	0	1	0	0	6	13	-	0	5.54	103	-	
SOMERSET																																
CANNINGTON	9 9	23	12.0	4.7	8.3	-0.9	17.0	25	-1.8	8	9.5	-	21	42	4	26	12	8	0	0	0	0	0	0	2	-	-	0	5.64	99	S	
CREWKERNE	9 9	101	11.0	4.1	7.5	-	15.9	22	-1.6	8	-	-	43	-	12	30	14	8	3	0	1	0	0	0	3	-	-	0	-	-	-	
DOWNSIDE ABBEY	9 9	183	11.3	3.3	7.3	-	17.4	25	-3.4	8	-	-	50	74	10	28	13	9	4	0	0	0	0	0	6	-	-	0	-	-	-	
EXTON	21-9	335	9.5	2.7	6.1	-	12.7	17	-1.5	8	-	-	60	-	10	25	19	14	5	0	7	0	0	2	6	15	11	0	-	-	-	
HAWKRIDGE	9 9	314	8.5	2.7	5.6	-	11.7	25	-2.0	8	-	-	69	73	16	25	17	14	1	0	0	1	0	3	3	17	-	0	(4.56)	-	-	
NETTLECOMBE	9 9	96	11.1	3.7	7.4	-	15.4	25	-3.7	8	8.6	-	30	-	5	28	13	8	0	0	0	0	0	0	5	14	-	0	-	-	-	
NETTLECOMBE(BIRDS HILL)	9 9	290	9.2	3.7	6.5	-	13.6	25	-1.1	8	-	-	35	-	6	27	12	10	1	0	0	0	0	1	1	16	-	0	-	-	-	
RODNEY STOKE	9 9	40	10.9	4.0	7.5	-	16.7	25	-1.6	8	8.1	8.0	40	70	10	26	15	10	2	0	1	0	1	1	3	10	-	1	-	-	-	
WINCANTON	9 9	114	11.3	2.9	7.1	-	16.0	22	-3.5	10	-	-	49	86	9	26	13	11	1	0	1	0	2	0	7	(17)	-	0	6.22	-	-	
YEOVILTON	21-9	18	11.7	3.1	7.4	-	16.3	22	-4.0	10	-	-	25	54	7	26	10	8	1	0	1	0	2	0	11	11	-	0	-	-	-	
DORSET																																
BOURNEMOUTH																																
HURN AIRPORT	21-9	10	11.8	3.2	7.5	-	15.8	12	-4.4	10	-	-	17	35	6	26	13	5	2	0	0	0	0	0	9	14	12	0	6.38	-	-	
MEYRICK PARK	9 9	40	11.1	3.5	7.3	-1.8	14.5	18	-4.0	11	7.7	7.9	48	97	11	1	15	8	0	0	0	0	0	8	11	-	0	6.83	111	-	
CHRISTCHURCH	9 9	3	11.8	4.2	8.0	-	15.7	12	-3.0	10	-	-	27	57	8	28	12	6	0	0	1	0	0	0	6	13	-	0	-	-	-	
POOLE	9 9	5	12.0	3.7	7.9	-1.4	15.2	12.24	-3.1	10	8.5	8.6	20	42	5	28	13	7	1	0	1	0	0	0	6	18	-	0	6.87	114	-	
PORTLAND BILL (COASTGUARD)	21-9	53	10.3	5.4	7.9	-0.8	14.9	17	0.1	8	-	-	20	-	7	28	10	5	0	0	1	0	0	0	0	-	-	0	6.10	-	-	
SWANAGE	9 9	11	11.3	4.9	8.1	-0.8	15.4	12	-1.4	10	-	9.1	28	58	9	28	13	6	1	0	0	1	0	0	2	8	-	0	6.20	98	S	
WEYMOUTH	9 9	23	11.6	4.3	7.9	-	15.8	13	-2.2	8	-	-	24	-	7	28	12	6	1	0	0	0	0	0	2	-	-	0	6.16	97	-	
WINFRITH	9 9	26	11.4	3.7	7.5	-	14.4	13	-3.5	10	-	-	24	49	7	28	11	7	0	0	0	0	0	0	7	15	-	0	-	-	-	
DEVON																																
CHELDON BARTON	9 9	164	11.0	3.4	7.2	-	14.9	25	-3.4	8	8.0	-	45	-	9	26	17	12	2	0	1	1	0	0	5	13	-	3	5.80	-	-	
EXETER AIRPORT	21-9	32	12.0	4.4	8.2	-0.8	17.4	22	-3.0	8	-	-	17	36	4	23	10	5	1	0	1	3	0	0	2	16	6	0	5.26	93	-	
EXMOUTH	9 9	59	12.1	5.0	8.5	-0.3	15.9	22	-1.4	8	-	-	32	68	6	23	16	8	2	0	2	0	1	1	1	-	-	0	5.78	95	-	
HARTLAND POINT	21-9	91	9.1	6.0	7.5	-1.0	11.6	19	0.6	7	-	-	40	78	11	25	16	10	0	0	2	0	0	2	0	1	0	3	6.15	100	-	
ILFRACOMBE	9 9	8	10.7	6.4	8.5	-	13.6	17	3.2	8,9,10	9.8	9.7	55	-	17	25	17	11	0	0	0	0	0	0	0	-	-	0	5.83	-	-	
PLYMOUTH																																
MOUNT BATTEN	21-9	27	10.7	5.2	7.9	-1.3	14.9	17	-2.0	8	-	-	41	73	6	23	20	13	1	0	1	2	0	0	1	11	7	0	5.36	88	-	
THE HOE	9 9	36	11.1	5.0	8.1	-1.5	15.1	17	-2.0	8	9.0	8.7	35	62	5	26.27	18	12	1	0	0	0	0	1	1	14	-	0	5.22	86	-	
PRAWLE POINT	21-9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	0	1	0	0	3	-	-	-	6	5.58	-	-	
PRINCETOWN	9 9	414	7.9	2.1	5.0	-	12.5	17	-3.7	8	-	-	97	-	19	25	20	17	4	3	0	2	1	8	6	17	-	0	-	-	-	
SLAPTON	9 9	32	(11.8)	(5.1)	(8.5)	-	15.1	13	-1.1	8	-	-	51	81	15	18	17	12	0	0	0	0	0	1	1	-	-	0	-	-	-	
STARCROSS	9 9	9	12.0	4.4	8.2	-0.8	17.2	22	-3.4	8	8.8	-	23	48	4	23	12	7	2	0	0	1	0	0	4	8	-	0	5.48	91	-	
TAVISTOCK	9 9	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TEIGNMOUTH	9 9	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TORBAY(TORQUAY)	9 9	8	12.1	5.3	8.7	-0.8	15.0	13.17.24	-1.0	8	-	9.2	38	73	8	30	18	11	0	0	2	0	0	0	1	8	-	0	5.79	91	-	
CORNWALL																																
BASTREET	9 9	232	9.6	2.6	6.1	-	13.4	17.22	-3.4	16	-	-	80	82	15	25	23	17	2	0	0	0	0	3	7	12	-	0	5.61	-	-	
BUDE	9 9	15	10.6	5.0	7.8	-1.2	14.7	17	-3.7	8	9.0	-	58	118	10	26	20	14	1	0	1	0	0	0	3	-	-	2	5.79	95	-	
CULDROSE	9 9	81	10.6	4.8	7.7	-	13.2	17	-1.0	7.8	-	-	52	97	9	8	20	15	3	0	1	0	0	1	2	8	6	0	5.46	-	-	
ELLBRIDGE	9 9	69	11.3	4.0	7.7	-	15.6	17	-3.0	8	-	-	62	94	9	23	20	15	1	0	1	1	0	0	3	15	-	0	4.94	83	-	
FALMOUTH	9 9	51	10.8	5.0	7.9	-1.5	14.0	17	0.0	10	-	-	61	98	9	8	18	15	1	0	0	1	0	0	0	-	-	0	5.60	90	-	
FOWEY	9 9	75	11.0	4.7	7.9	-1.6	14.5	17	-1.6	8	-	-	50	-	7	18	22	14	1	0	0	2	0	2	2	-	-	0	-	-	-	
GULVAL	9 9	15	11.1	5.7	8.4	-	13.5	17.21.25	1.0	4	-	-	55	-	8	25	21	19	1	0	0	0	0	0	0	7	-	0	6.09	-	-	
GWENNAP HEAD	21-9	66	10.1	6.2	8.1	-	14.2	17	0.9	8	-	-	44	-	5	18.25	21	16	1	0	2	0	0	0	0	2	1	3	-	-	-	
LIZARD	9 9	73	10.5	7.2	8.9	-0.3	14.6	17	1.2	8	-	-	37	75	5	26	15	15	1	0	0	0	0	0	0	-	-	1	6.00	95	-	
NEWQUAY	9 9	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PENZANCE	9 9	19	11.7	5.9	8.8	-1.0	14.8	21	0.4	16	-	-	62	101	9	25	22	17	0	0	0	0	0	0	0	-	-	0	6.48	102	-	
ROSEWARNE	9 9	76	10.6	5.4	8.0	-	13.6	22	0.3	8	9.6	9.2	56	94	11	25	18	14	2	0	3	0	0	0	0	9	-	0	5.58	-	-	
ST AUSTELL(BETHEL)	9 9	55	10.9	5.1	8.0	-	14.4	22	0.0	8	-	-	50	-	5	26	21	15	0	0	0	3	0	0	0	7	-	0	5.62	-	-	
ST JOHNS	9 9	128	10.5	3.7	7.1	-	14.9	25	-2.5	8	-	-	59	86	9	25	20	13	-	-	-	-	-	-	4	-	-	-	5.42	-	-	
ST MAWGAN	21-9	103	10.5	5.4	7.9	-	14.0	25	-0.1	8	-	-	55	97	11	25	19	17	3	0	0	5	1	0	1	8	3	0	6.09	-	-	
SCILLY(ST MARYS)	21-9	48	11.3	6.8	9.1	-0.8	13.4	25	2.2	8	-	-	54	115	8	18	20	14	0	0	0	3	0	0	0	1	0	0	6.23	98	-	
CHANNEL ISLANDS																																
ALDERNEY	9 9	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GUERNSEY																																
AIRPORT	21-9	104	10.3	6.0	8.1	-0.8	13.5	25	1.6	7	8.4	8.7	28	54	6	28	14	8	2	0	6	1	0	0	0	8	4	0	6.48	95	-	
L'ANCRESSE	9 9	5	11.9	6.2	9.1	-	15.6	25	-0.2	5	-	-	33	69	9	1	15	10	2	-	2	0	0	-	1	-	-	0	6.97	-	-	
JERSEY																																
AIRPORT	9 9	83	10.7	5.4	8.1	-	15.0	25	1.1	8,10	9.2	9.2	43	82	10	2	15	10	3	0	4	1	0	0	0	7	5	0	6.72	-	-	
GOREY CASTLE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.75	-	-	
ST HELIER	9 9	47	12.0	5.8	8.9	-1.2	15.0	20.21	1.6	10	-	-	41	80	9	2	13	10	1	0	1	0	0	0	0	12	-	0	6.95	101	-	

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

APRIL 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(ONT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)											BRIGHT SUNSHINE		
			MEANS OF				HIGHEST MAXIMUM		LOWEST MINIMUM						MOST IN A DAY		PRECIP-ITATION													
			MAX. (A)	MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	MAX.	DATE	MIN.	DATE	30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	AMOUNT (MM)	DATE	0.2 MM OR MORE	1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
NORTHERN IRELAND																														
LONDONDERRY																														
AGHANLOO	9 9	18	10.2	3.7	6.9	-	13.5	21	0.5	18	-	-	50	-	8	27	21	18	1	-	3	0	0	-	0	5	-	-	-	-
BANAGHER(CAUGH HILL) ...	9 9	216	9.2	2.5	5.9	-	12.5	20,24,27	-2.6	8	-	-	90	-	13	2	25	20	4	0	0	0	0	0	5	13	-	4	4.92	-	-
CARMONEY	9 9	73	9.9	3.8	6.9	-	13.8	20	0.1	9	-	-	73	-	8	2	27	18	1	0	0	1	0	0	0	8	-	-	4.64	-	-
COLERAINE UNIVERSITY ...	9 9	23	9.8	3.7	6.7	-	13.8	20	-1.4	9	7.2	6.9	72	-	8	29	26	19	2	0	1	1	0	0	3	7	-	0	4.86	92	-
COOLKEERAGH	9 9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DERRYNOYD FOREST ...	9 9	88	10.3	2.9	6.6	-	13.3	16	-1.5	4	-	-	90	119	13	2	27	17	4	0	5	0	0	0	6	17	-	-	-	-	-
GARVAGH FOREST	9 9	88	10.0	2.9	6.5	-	14.0	25	-1.8	4.18	7.1	6.2	104	137	13	2	25	20	2	0	4	0	0	0	5	15	-	-	-	-	-
LOUGHERMORE FOREST ...	9 9	174	9.5	2.5	6.0	-	13.0	25	-2.3	8	-	-	116	155	14	2	28	20	9	3	6	1	0	0	6	14	-	3	-	-	-
MONEYDIG	9 9	34	10.9	3.1	7.0	-0.8	14.7	25	-2.0	4	6.7	-	75	122	10	27	25	18	3	0	5	0	0	0	4	10	6	0	-	-	-
SOMERSET FOREST ...	9 9	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																														
ALDERGROVE AIRPORT ...	21-9	68	10.3	3.4	6.9	-1.0	15.0	25	-2.7	9	7.6	7.2	53	94	15	27	25	15	4	0	6	3	0	0	5	9	6	0	5.16	101	-
ALTNAHINCH	9 9	226	8.4	2.1	5.3	-	12.8	25	-2.6	8	-	-	125	133	19	27	26	19	3	1	1	3	0	0	7	13	-	0	4.16	-	-
BALLYLUMFORD	9 9	24	10.3	4.3	7.3	-	14.8	25	0.6	8	-	-	54	-	12	27	22	17	-	-	-	-	-	-	0	6	-	-	-	-	-
BALLYMONEY	9 9	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALLYPATRICK FOREST ...	9 9	152	9.2	2.5	5.9	-	14.0	25	-3.7	18	-	-	94	117	12	21	26	19	1	-	0	0	0	0	4	9	-	0	5.01	-	-
CARNLOUGH	9 9	12	10.6	4.0	7.3	-	15.2	25	-1.0	8	-	-	91	-	17	27	20	15	0	-	1	0	0	0	2	7	-	-	-	-	-
DIVIS MOUNTAIN	9 9	363	7.5	0.7	4.1	-	12.2	25	-4.1	9	-	-	115	152	16	27	25	24	4	-	6	0	3	-	12	-	-	-	-	-	-
GREENMOUNT	9 9	32	10.7	2.4	6.5	-	15.2	25	-4.7	8	7.7	-	54	100	17	27	19	14	4	0	0	5	0	-	7	8	-	-	-	-	-
HYDE PARK (MALLUSK) ...	9 9	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KILROOT POWER STATION	9 9	12	10.9	4.1	7.5	-	15.8	25	-1.1	8	-	-	46	-	10	27	21	13	-	0	-	-	-	-	1	7	-	-	-	-	-
LISNAFILLAN	9 9	38	10.1	2.3	6.2	-	14.5	25	-4.0	8	-	-	68	115	15	27	22	17	0	0	0	4	0	0	7	12	-	-	5.10	-	-
LOWTOWN	9 9	271	8.3	2.0	5.1	-	12.8	25	-3.7	8	5.7	-	114	127	16	27	24	21	4	0	0	4	0	2	8	15	-	0	4.89	-	-
PARKMORE FOREST ...	9 9	235	8.6	1.7	5.1	-	13.0	24	-3.0	8	6.2	-	186	183	25	1	25	21	4	0	0	5	0	0	7	21	-	0	-	-	-
WOODBURN NORTH	9 9	217	8.8	2.3	5.5	-	13.5	25	-2.0	5	-	-	89	116	16	27	26	20	1	0	0	0	0	1	4	19	-	-	-	-	-
BELFAST																															
ANDERSONSTOWN	9 9	64	10.8	3.7	7.3	-	15.6	25	-1.2	8	-	-	84	-	13	27	22	19	-	-	-	-	-	-	2	8	-	-	-	-	-
MALONE	9 9	35	10.6	4.0	7.3	-	15.2	25	-0.9	8	7.5	-	72	-	13	30	22	19	-	-	-	-	-	-	2	8	-	-	4.91	-	-
MILLTOWN	9 9	37	11.4	3.6	7.5	-	16.1	25	-1.5	8	-	-	57	-	11	27	22	17	2	0	3	0	0	0	4	6	-	-	-	-	-
NEWTOWNABBEY	9 9	32	10.6	4.8	7.7	-	15.1	25	0.3	8	8.0	-	55	87	11	27	22	15	4	0	4	0	1	0	0	7	5	0	5.03	-	S
ROSEBANK	9 9	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROSETTA	9 9	24	10.9	3.6	7.3	-	15.4	25	-0.8	8	-	-	59	101	9	21	19	17	1	0	0	1	0	0	1	-	-	-	-	-	-
STORMONT CASTLE ...	9 9	56	10.2	3.9	7.1	-	15.0	25	-1.4	8	8.2	7.7	45	77	10	27	23	18	1	0	1	0	0	0	1	10	-	-	4.56	-	-
DOWN																															
BANGOR SEACOURT ...	9 9	15	11.6	4.6	8.1	-	15.3	21	0.8	8	7.9	8.0	42	-	13	27	23	13	1	0	1	5	1	0	0	4	1	-	4.73	-	-
BALLYWALTER PARK ...	- -	11	-	-	-	-	-	-	-	-	-	-	46	100	13	27	23	14	-	-	-	-	-	-	-	-	-	-	5.47	-	-
BALLYWATTICOCK	9 9	6	10.6	4.5	7.5	-	15.2	25	-0.8	8	-	-	44	90	14	27	22	11	0	0	2	2	1	0	1	7	-	1	5.06	-	-
CREIGHTONS GREEN ...	9 9	119	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DOWNPATRICK	9 9	26	11.0	4.2	7.6	-	15.0	25	-1.0	8	-	-	32	-	8	27	14	10	-	-	-	-	-	0	2	-	-	-	-	-	-
HELENS BAY	9 9	43	10.7	4.5	7.6	-	14.8	21	0.5	8	-	-	42	80	12	27	22	13	2	0	0	5	1	0	0	7	-	2	4.79	-	-
HILLSBOROUGH	9 9	116	9.7	3.3	6.5	-1.0	14.4	24	-2.9	8	7.2	6.8	49	90	13	27	23	16	2	0	0	2	0	0	4	8	-	1	5.34	111	-
MURLOUGH	9 9	9	11.4	3.7	7.5	-	16.2	21	-2.0	8	7.3	6.9	42	-	9	27	21	15	0	0	1	0	0	1	4	11	-	1	5.27	-	-
ARMAGH																															
ARMAGH	9 9	62	11.0	3.5	7.3	-1.0	15.4	25	-2.1	8	8.8	8.2	51	87	14	27	25	15	1	0	6	1	0	0	5	12	-	1	4.59	94	-
LOUGHGALL	9 9	25	10.6	3.9	7.3	-	15.0	25	-1.5	4	-	-	46	88	14	27	24	12	0	0	1	2	0	0	5	9	-	0	5.44	-	-
LURGAN	9 9	55	11.0	3.8	7.4	-	15.6	24	-2.0	8	7.9	7.3	37	72	12	27	20	10	0	-	0	0	0	-	4	12	-	-	5.07	-	-
TANDRAGEE	9 9	43	11.7	3.3	7.5	-	15.9	25	-2.5	4	-	-	42	-	14	27	19	13	-	-	-	-	-	-	6	-	-	-	-	-	-
TYRONE																															
ALTAVEEDAN	9 9	175	9.4	2.7	6.1	-	13.9	25	-2.6	8.15	-	-	78	-	14	27	24	20	-	-	-	-	-	-	6	8	-	-	-	-	-
CARRIGANS	21-9	113	10.3	3.2	6.7	-	13.9	25	-1.3	8	-	-	111	168	14	2	26	20	8	1	1	10	0	0	6	14	7	0	4.50	-	-
COOKSTOWN	9 9	77	10.2	3.0	6.6	-	14.7	25	-1.4	8	7.2	-	48	75	10	27	21	16	0	0	0	0	0	0	4	9	-	-	4.89	-	-
LOUGH BRADAN	9 9	169	9.0	1.9	5.5	-	12.9	25	-2.2	8	-	-	152	185	22	21	27	23	-	0	-	-	-	0	9	15	-	-	4.46	-	-
POMEROY FOREST	9 9	174	9.4	2.6	6.0	-	13.6	25	-1.7	3	7.0	-	73	102	10	27	24	19	3	0	0	0	0	3	5	14	-	-	-	-	-
STRABANE CONVENT ...	9 9	44	10.6	3.7	7.1	-	14.0	25	-0.5	8.15	-	-	76	134	10	29	24	20	6	0	1	8	0	0	2	7	-	4	4.71	-	-
TIEVENNY	9 9	41	10.5	3.1	6.8	-	14.4	25	-1.0	8.9	-	-	102	-	15	2	27	21	-	-	-	-	-	-	4	11	-	-	-	-	-
FERMANAGH																															
CASTLE ARCHDALE FOREST	9 9	66	10.0	3.6	6.8	-0.9	13.7	25	-1.8	8	8.0	7.7	85	127	11	11	25	19	3	0	0	0	0	0	4	11	-	0	4.64	95	-
CORGARY	9 9	156	9.3	3.4	6.3	-	12.8	24	-1.4	8	-	-	89	-	9	30	23	23	4	-	1	10	0	1	4	8	6	-	-	-	-
KNOCKARAVAN	9 9	53	10.0	3.5	6.7	-	13.0	25	-2.0	8	-	-	91	-	12	30	26	19	1	0	1	4	0	0	6	10	6	-	-	-	-
LISNASKEA	9 9	49	10.8	3.6	7.2	-	14.3	25	-2.5	9	-	-	70	119	12	27	26	19	0	-	0	3	0	1	4	8	-	-	4.53	-	-
LOUGH NAVAR FOREST ...	9 9	148	9.7	2.8	6.3	-	13.2	24	-2.3	8	-	-	120	136	13	28	26	23	3	0	0	7	0	1	7	12	-	-	-	-	-
PUBBLE FOREST	9 9	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

APRIL 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																																		
0 SCOTLAND N SHETLAND																																										
FAIR ISLE	61	9	1005.1	-	4.9	0.9	7.5	86	5.9	0	2	9	13	6	0	0	0	0	0	0	0	0	2	6	14	8	3	9	14	4	0	6	1	3	2	5	1	6	6
		15	1005.6	-	5.3	0.9	7.7	85	6.4	0	1	4	19	6	0	0	0	0	0	0	0	0	3	4	13	10	3	9	14	4	0	8	1	2	2	6	0	6	5
		21	1006.1	-	4.0	0.7	7.2	87	5.9	0	3	5	18	4	0	0	0	0	0	0	0	0	2	4	13	11	1	10	10	6	3	8	1	2	2	2	4	4	4
LERWICK	83	3	1004.6	-	3.1	-	6.5	-	5.6	0	4	7	11	8	0	0	0	0	0	0	1	4	7	12	6	0	3	18	9	0	7	3	1	2	5	1	7	4
		9	1004.8	- 6.2	4.5	-	6.7	-	5.6	0	4	6	14	6	0	0	0	0	0	1	0	2	10	12	5	0	3	22	5	0	7	2	3	2	5	2	1	8	3
		15	1005.2	-	5.0	-	6.6	-	6.3	0	1	7	14	8	0	0	0	0	0	2	5	9	9	5	0	6	17	7	0	7	3	2	1	4	4	6	3	3
		21	1006.0	-	3.3	-	6.5	-	5.6	0	5	5	13	7	0	0	0	0	0	0	0	3	10	11	6	0	3	14	11	2	5	3	2	1	4	2	5	6
ORKNEY																																										
KIRKWALL	26	3	1006.0	-	3.7	0.8	7.0	86	5.6	0	4	7	13	6	0	0	0	0	0	0	0	1	5	15	9	0	4	17	8	1	4	2	1	1	8	1	9	3
		9	1006.1	- 5.5	5.5	1.3	7.3	81	5.6	0	2	11	10	7	0	0	0	0	0	0	0	0	6	15	9	0	8	17	5	0	8	0	1	2	6	1	7	5
		15	1006.3	-	6.7	1.8	7.3	75	5.7	0	2	11	10	7	0	0	0	0	0	0	0	4	3	15	8	1	6	16	7	0	9	1	2	1	4	2	8	3
		21	1007.3	-	3.9	0.7	7.2	87	5.9	0	4	5	14	7	0	0	0	0	0	0	0	2	14	7	7	1	1	17	10	1	3	2	4	2	5	1	6	6
WESTERN ISLES																																										
BENBECULA	7	3	1008.6	-	4.9	0.6	7.9	90	5.6	1	3	5	15	6	0	0	0	0	0	0	0	0	7	12	11	0	6	17	7	0	4	2	1	3	2	5	8	5
		9	1009.0	- 3.0	6.6	1.3	8.0	81	5.2	0	5	9	12	4	0	0	0	0	0	0	0	0	6	13	9	0	6	20	4	0	6	2	1	3	6	4	9	2
		15	1009.2	-	7.6	1.5	8.3	79	5.3	0	4	10	11	5	0	0	0	0	0	1	2	5	11	11	0	8	15	7	0	6	0	3	0	5	4	7	5	3
		21	1009.8	-	5.5	0.6	8.2	90	5.2	0	9	3	12	6	0	0	0	0	0	0	0	3	5	12	10	0	5	15	10	0	7	2	0	2	1	7	8	3
STORNOWAY	5	3	1007.5	-	4.4	0.5	7.8	93	5.3	0	5	9	9	7	0	0	0	0	0	0	0	0	1	5	22	2	0	1	13	16	0	5	2	1	1	3	3	11	4
		9	1007.9	- 3.9	5.9	0.9	8.1	86	6.3	0	0	8	17	5	0	0	0	0	0	0	0	4	9	13	4	0	5	18	7	0	6	0	1	2	1	1	7	7	6
		15	1008.3	-	6.9	1.2	8.2	82	6.4	0	0	8	15	7	0	0	0	0	0	0	0	2	6	14	8	0	9	16	5	0	9	3	1	0	6	3	4	4
		21	1008.9	-	4.7	0.4	8.1	93	4.8	0	8	8	8	6	0	0	0	0	0	0	0	4	5	15	6	0	3	13	14	0	5	3	2	1	0	6	9	4
HIGHLAND																																										
CAPE WRATH	113	3	1006.3	-	4.5	0.8	7.4	87	5.8	0	4	8	8	10	0	0	0	0	0	0	0	0	2	13	15	1	4	18	6	1	4	1	5	1	1	6	4	7
		9	1006.8	-	4.6	0.7	7.6	89	6.0	0	1	11	11	7	0	0	0	0	0	0	0	0	4	18	8	0	5	13	12	0	4	5	2	1	3	4	6	5
		15	1007.0	-	5.3	0.8	7.8	87	6.3	0	0	10	8	12	0	0	0	0	0	0	0	1	2	15	12	1	6	15	7	1	3	4	3	0	0	8	1	10
		21	1007.4	-	4.6	0.7	7.6	89	6.3	0	1	7	11	11	0	0	0	0	0	0	0	1	3	19	7	1	8	12	9	0	4	2	4	2	0	6	6	6
DALCROSS	12	9	1008.5	-	5.6	1.5	7.1	78	6.3	0	1	4	20	5	0	0	0	0	0	0	0	0	8	15	7	0	4	12	14	0	4	1	0	0	1	16	4	4
		15	1008.6	-	7.5	2.2	7.2	69	6.5	0	0	6	20	4	0	0	0	0	0	0	0	2	7	8	13	0	3	18	9	0	5	3	0	0	0	7	11	4
WICK	37	3	1006.4	-	3.6	0.8	6.9	87	5.5	0	6	4	16	4	0	0	0	0	0	1	0	4	16	9	0	3	16	11	0	5	2	0	2	6	3	9	3	3
		9	1006.5	- 5.4	5.7	1.4	7.2	78	6.0	0	1	7	17	5	0	0	0	0	0	0	0	3	7	10	10	0	10	11	9	0	7	2	1	1	5	1	9	4
		15	1006.7	-	6.9	1.9	7.2	72	6.2	0	1	5	22	2	0	0	0	0	0	0	0	1	5	12	12	1	8	11	10	0	6	2	3	2	5	0	6	6
		21	1007.5	-	4.3	1.0	7.0	83	5.9	0	4	4	18	4	0	0	0	0	0	0	1	0	11	9	9	1	2	17	10	0	6	1	3	2	6	3	4	5
1 SCOTLAND E GRAMPIAN																																										
DYCE	59	3	1007.2	-	3.6	1.0	6.7	84	6.2	0	2	5	15	8	0	0	0	0	0	0	0	2	3	16	9	0	2	10	16	2	2	0	0	3	1	6	10	6
		9	1007.8	- 5.0	5.8	1.8	6.8	73	6.2	0	3	4	17	6	0	0	0	0	0	0	1	2	4	8	15	0	4	16	10	0	4	0	1	2	4	5	7	7
		15	1007.6	-	8.2	2.8	6.8	63	6.3	0	0	9	15	6	0	0	0	0	0	0	1	2	3	13	11	0	4	16	9	1	7	0	1	3	3	6	6	3
		21	1008.4	-	4.4	1.1	7.0	82	5.4	0	6	8	9	7	0	0	0	0	0	0	2	4	1	12	11	0	2	8	16	4	2	0	1	0	6	4	9	4
FRASERBURGH	22	3	1007.1	-	4.7	1.0	7.2	83	5.6	0	3	8	12	7	0	0	0	0	0	0	0	0	15	15	0	1	8	7	14	0	4	1	1	4	4	4	9	3
		9	1007.6	- 4.9	6.0	1.5	7.3	77	6.1	0	0	10	11	9	0	0	0	0	0	0	0	0	9	21	0	2	6	10	12	0	2	0	1	2	3	2	9	8
		15	1007.8	-	7.1	1.8	7.6	75	5.4	0	1	14	9	6	0	0	0	0	0	0	0	0	10	20	0	5	4	10	11	0	5	1	1	2	3	1	12	5
		21	1008.1	-	5.5	1.3	7.3	80	5.4	0	5	9	7	9	0	0	0	0	0	0	0	0	16	14	0	3	3	8	16	0	4	0	1	3	7	3	7	5
KINLOSS	6	3	1007.3	-	4.1	1.1	6.8	82	5.7	0	3	9	11	7	0	0	0	0	0	0	0	1	3	16	10	0	1	16	11	2	3	1	0	1	4	14	4	1
		9	1007.9	- 4.6	6.1	1.6	7.2	76	6.3	0	1	4	23	2	0	0	0	0	0	0	0	2	5	9	14	0	5	18	6	1	3	0	1	1	2	11	9	2
		15	1008.0	-	7.7	2.3	7.2	68	6.1	0	1	8	18	3	0	0	0	0	0	0	0	0	11	4	15	0	3	20	7	0	6	3	1	0	2	7	7	4
		21	1008.5	-	5.1	1.2	7.2	81	5.9	0	4	3	19	4	0	0	0	0	0	0	0	2	5	12	11	0	2	15	11	2	3	0	3	0	7	6	7	2
LOSSIEMOUTH	6	3	1007.0	-	3.8	1.0	6.8	83	5.5	0	6	4	15	5	0	0	0	0	0	0	0	0	3	13	14	0	3	17	10	0	3	1	1	2	4	8	9	2
		9	1007.5	-	6.0	1.6	7.1	76	6.5	0	2	3	19	5	1	0	0	0	1	0	1	0	5	9	14	0	2	19	9	0	3	1	0	1	3	8	11	3
		15	1007.6	-	7.6	2.3	7.1	69	5.8	0	3	5	17	5	0	0	0	0	0	0	0	2	2	9	17	0	6	18	6	0	6	1	2	0	0	7	11	3
		21	1008.0	-	4.9	1.2	7.1	81	6.0	0	4	4	16	6	0	0	0	0	0	0	0	3	5	9	13	0	3	16	10	1	3	0	3	3	2	6	8	4
TAYSIDE																																										
USAN	35	9	1008.8	-	6.3	1.5	7.5	78	5.3	0	5	7	11	7	0	0	0	0	0	0	0	1	0	8	21	0	4	16	8	2	5	1	0	0	3	7	7	5
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1009.4	-	5.6	1.1	7.7	83	4.1	1	12	4	8	5	0	0	0	0	0	0	0	1	1	4	24	0	1	13	13	3	5	1	0	2	3	5	11	0
FIFE																																										
LEUCHARS	12	3	1008.3	-	4.3	1.1	6.9	82	5.1	1	6	7	10	6	0	0	0	0	0	0	0	0	3	13	14	0	2	17	10	1	3	0	0	2	2	13	7	2
		9	1008.9	- 4.3	6.8	2.1	6.9	69	5.4	0	4	8	13	5	0	0	0	0	0	0	0	0	7	5	18	0	6	13	11	0	3	0	1	2	0	9	11	4
		15	1008.7	-	9.3	3.1	7.1	59	5.9	0	3	4	19	4	0	0	0	0	0	0	0	0	2	9	19	1	4	21	4	0	1	1	4	0	1	9	9	5
		21	1009.5	-	5.7	1.5	7.2	77	4.9	0	7	7	12	4	0	0	0	0	0	0	0	1	3	11	15	0	4	14	11	1	2	0	1	2	1	12	8	3
LOTHIAN																																										
TURNHOUSE	44	3	1009.0	-	4.7	0.9	7.4	85	5.8	1	4	4	14	7	0	0	0	0	0	0	0	2	5	15	8	0	1	18	9	2	1	1	2	0	2	8	12	2
		9	1009.8	- 3.9	7.0	1.9	7.3	72	5.8	0	5	4	18	3	0	0	0	0	0	0	0	0	8	9	11	0	1	20	9	0	3	1	1	1	3	5	15	3
		15	1009.5	-	9.4	2.9	7.4	62	6.2	0	3	4	18	5	0	0	0	0	0	0	0	0	7	10	13	0	4	19	7	0	1	3	1	1	0	6	14	4
		21	1010.3	-	6.1	1.5	7.4	77	5.8	0	4	5	15	6	0	0	0	0	0	0	0	0	11	13	6	0	1	15	14	0	2	0	4	0	2	8	13	1
6 SCOTLAND W STRATHCLYDE																																										
ABBOTSINCH	9	3	1009.3	-	4.7	1.0	7.3	83	6.0	0	5	5	9	11	0	0	0	0	0	0	0	4	9	11	6	0	0	11	18	1	1	0	3	1	0	11	13	0
		9	1010.0	- 3.8	7.2	1.8	7.7	74	5.8	0	2	7	17	4	0	0	0	0	0	0	0	3	5	12	10	0	1	15	13	1	2	1	0	1	7	14	3	5
		15	1009.9	-	9.1	2.9	7.2	62	6.4	0	1	6	15	8	0	0	0	0	0	0	1	4	6	8	11	0	0	23	6	1	2	1	1	0	1	7	12	5
		21	1010.5	-	5.9	1.3	7.6	80	5.5	0	6	5	11	8	0	0	0	0	0	0	2	3	11	9	5	0	0	14	16	0	2	1	3	0	1	14	8	1
GLASGOW WEATHER CENTRE	17 (X)	3	1009.4	-	-	-	-	-	5.6	1	4	6	10	9	0	0	0	0	0	0	0	3	10	14	3	0	0	5	23	2	1	1	2	1	6	9	7	1
		9	1010.3	-	6.6	1.9	7.2	72	6.0	0	3	6	14	7	0	0	0	0	0	0	0	2	8	14	6	0	0	6	24	0	3	0	1	1	5	12	7	1
		15	1010.1	-	9.1	3.0	7.1	61	6.4	0	1	6	15	8	0	0	0	0	0	0	0	4	3	11	12	0	0	11	18	1	2	2	0	1	4	11	9	0
		21	1010.8	-	6.7	1.6	7.6	75	5.6	0	6	5	12	7	0	0	0	0	0	0	0	5	4	16	5	0	0	5	25	0	0	1	3	0	0	7	8	3
MACHRIHANISH	14	3	1010.3	-	5.6	0.9	8.0	86	6.2	0	2	8	9	11	0	0	0	0	0	0	0	3	8	16	3	0	0	8	15	6	1	2	1	3	0	1	7	8	7
		9	1011.1	-	7.1	1.3	8.2	80	6.0	0	4	5	12	9	0	0	0	0	0	0	1	4	6	12	7	0	0	3	21	6	0	3	0	1	2	2	5	7	10
		15	1011.1	-	8.3	1.7	8.5	77	5.8	0	4	6	12	8	0	0	0	0	0	0	1	4	4	15	6	1	0	8	16	5	0	2	0	1	2	2	1	16	6
		21	1011.6	-	6.4	1.0	8.3	85	5.9	0	4	6	10	10	0	0	0	0	0	0	0	3	9	13	5	1	1	7	16	5	1	3	1	1	1	3	3	10	7
PRESTWICK	21	3	1010.0	-	4.8	0.8	7.7	87	6.2	0	4	4	9	13	0	0	0	0	0	0	0	2	11	13	4	0	0	3	16	7	4	2	1	2	1	7	6	6
		9	1010.9	- 2.9	6.8	1.6	7.6	75	5.9	0	5	3	16	6	0	0	0	0	0	0	0	4	7	14	5	0	0	2	18	9	1	2	1	1	2	3	12	5
		15	1010.9	-	8.7	2.5	7.6	67	6.4	0	1	6	15	8	0	0	0	0	0	0	0	3	5	9	10	0	0	4	20	6	0	0	3	0	0	2	6	9	10
		21	1011.3	-	6.1	1.1	8.0	83	6.0	0	4	5	9	12	0	0	0	0	0	0	0	0	6	8	10	6	0	2	14	14	0	5	0	0	4	1	5	9	6
RHUVAAL	19	3	1010.3	-	6.2	1.3	7.7	80	5.8	1	5	4	5	15	0	0	0	0	0	0	0	0	3	5	10	15	0	5	8	16	1	7	0	1	0	5	2	7	7
		9	1011.1	-	6.8	1.7	7.5	75	6.0	0	2	7	13	8	0	0	0	0	0	0	0	1	5	8	8	1	5	8	15	1	7	0	1	0	0	4	7	6
		15	1011.2	-	8.0	2.0	7.8	72	5.7	0	4	8	8	10	0	0	0	0	0	0	0	1	5	12	12	1	3	10	16	0	6	1	0	0	4	1	10	8
		21	1011.5	-	6.8	1.5	7.8	77	5.9	0	7	1	10	12	0	0	0	0	0	0	0	0	6	10	14	0	3	10	17	0	9	0	0	0	4	4	7	6

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

APRIL 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT								VISIBILITY								WIND SPEED AND DIRECTION									
									OKTAS																BEAUFORT FORCE									
																									8 OR MORE	6-7	4-5	1-3	CALM					
																									SPEED (KT)									
																									34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 199M	200 - 399M	400 - 999M	1000 - 1999M	2000 - 3999M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER										
			NUMBER OF OBSERVATIONS																																
6 SCOTLAND W-CONTD.																																		
STRATHCLYDE -CONTD.																																		
SLOY	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	6.7	2.0	7.0	70	5.8	0	-	4	6	15	5	0	0	0	0	0	0	0	2	28	0	0	0	4	24	2	2	3	0	2	2	4	5	10
		15	-	-	8.5	2.7	7.1	64	6.2	0	0	9	14	7	0	0	0	0	0	0	0	6	23	1	0	0	3	27	0	6	1	0	0	1	3	5	5	9
		21	-	-	6.1	1.6	7.3	75	5.6	0	8	2	9	11	0	0	0	0	0	0	0	6	23	1	0	0	1	26	3	2	1	0	1	2	5	4	12
TIREE	10	3	1009.5	-	5.2	0.8	7.8	87	4.8	0	8	7	8	7	0	0	0	0	0	0	1	0	7	13	9	2	5	13	10	0	3	1	1	1	2	5	10	7
		9	1010.0	- 2.8	7.2	1.4	8.2	80	5.2	0	7	5	12	6	0	0	0	0	0	0	0	2	9	8	11	0	6	22	2	0	5	1	0	1	4	7	6	5
		15	1010.1	-	8.0	1.5	8.5	79	5.5	0	3	11	7	9	0	0	0	0	0	0	3	6	2	5	14	0	7	20	3	0	4	2	0	0	4	6	7	5
		21	1010.6	-	6.2	1.0	8.2	85	5.6	0	4	7	11	8	0	0	0	0	0	0	0	6	7	9	8	0	8	17	5	0	6	2	0	3	1	4	10	4
DUMFRIES & GALLOWAY																																		
ESKDALEMUIR	237	3	1009.9	-	2.9	0.7	6.9	88	6.0	3	0	7	4	16	0	0	0	0	0	1	1	0	5	10	6	7	0	4	12	9	5	3	1	0	0	7	6	8	0
		9	1010.3	- 3.8	5.1	1.6	6.9	77	6.1	0	3	5	16	6	0	0	0	0	0	0	1	2	7	11	9	0	3	12	13	2	3	1	0	2	2	10	7	3
		15	1010.1	-	7.3	2.5	7.0	67	6.4	0	2	5	16	7	0	0	0	0	0	0	0	2	7	9	12	0	4	16	9	1	3	2	0	0	0	7	5	10	2
		21	1011.2	-	3.9	1.0	7.0	85	5.5	0	6	6	8	10	0	0	0	0	0	1	2	4	5	14	4	0	3	13	9	5	3	0	0	0	7	6	6	3
2 ENGLAND E & NE																																		
NORTHUMBERLAND																																		
BOULMER	27	3	1009.3	-	4.9	1.1	7.3	83	4.8	3	7	2	11	7	0	0	0	0	0	0	0	3	1	14	12	0	0	17	13	0	1	0	0	1	4	9	10	5
		9	1009.7	-	6.7	1.9	7.2	72	5.6	0	6	4	16	4	0	0	0	0	0	0	0	3	5	4	18	0	2	20	8	0	2	0	1	1	3	8	9	6
		15	1009.8	-	8.8	2.6	7.5	65	5.6	0	3	9	13	5	0	0	0	0	0	0	0	2	2	12	14	0	3	17	10	0	4	2	2	2	0	13	4	3	5
		21	1010.5	-	5.8	1.3	7.5	80	4.8	1	8	8	7	6	0	0	0	0	0	0	0	3	2	20	5	0	1	15	13	1	1	0	0	2	5	9	7	5
SEAHOUSES	12	3	1008.9	-	-	-	-	-	4.2	2	10	7	5	6	0	0	0	0	0	0	0	2	4	3	25	0	0	2	13	15	0	7	0	2	0	8	2	11	0
		9	1009.3	-	-	-	-	-	5.3	0	5	8	13	4	0	0	0	0	0	0	0	4	2	19	5	0	0	8	13	8	1	5	0	0	0	3	7	12	2
		15	1009.4	-	-	-	-	-	5.8	0	2	9	17	2	0	0	0	0	0	0	1	1	3	19	6	0	0	5	16	7	2	8	0	3	0	0	2	5	10	0
		21	1010.0	-	-	-	-	-	4.9	0	7	10	9	4	0	0	0	0	0	0	0	1	5	24	0	0	0	3	15	12	0	6	0	0	1	5	7	9	2
TYNE & WEAR																																		
NEWCASTLE	72	3	1010.2	-	5.2	1.3	7.1	79	4.7	2	6	8	6	8	0	0	0	0	0	0	0	4	6	13	7	0	0	9	19	2	2	1	0	0	3	7	9	6
WEATHER CENTRE	(X)	9	1010.8	-	6.8	2.1	6.9	69	6.0	1	2	7	11	9	0	0	0	0	0	1	0	5	6	11	7	0	0	16	13	1	3	1	1	1	2	4	8	9
		15	1010.6	-	9.3	3.1	7.2	60	6.1	0	0	9	16	5	0	0	0	0	0	0	0	0	7	13	10	0	0	16	14	0	4	3	2	1	1	7	8	4
		21	1011.5	-	6.5	1.8	7.3	74	4.3	3	7	10	4	6	0	0	0	0	0	0	0	5	10	13	2	0	0	10	18	2	3	0	1	0	6	5	11	2
TYNEMOUTH	40	3	1010.4	-	5.4	1.0	7.6	84	3.8	5	7	8	6	4	0	0	0	0	0	0	0	0	16	13	1	1	0	17	11	1	2	0	0	0	7	3	13	4
		9	1010.9	- 3.4	6.9	1.6	7.7	77	5.6	0	3	6	18	3	0	0	0	0	0	0	0	2	13	15	0	0	7	11	11	1	4	0	0	0	5	4	12	4
		15	1010.9	-	8.7	2.2	8.0	70	6.1	0	0	9	15	6	0	0	0	0	0	0	0	0	11	19	0	0	5	17	7	1	6	1	1	2	2	3	13	1
		21	1011.7	-	6.8	1.5	7.8	78	4.6	3	5	10	7	5	0	0	0	0	0	0	0	0	20	10	0	0	3	14	13	0	6	0	1	0	7	2	13	1
NORTH YORKSHIRE																																		
LEEMING	33	3	1011.1	-	5.0	1.3	7.2	80	4.3	4	6	7	6	7	0	0	0	0	0	0	0	3	3	10	14	0	2	11	17	0	2	0	0	4	4	4	10	6
		9	1011.9	- 2.9	6.9	2.1	7.0	69	5.8	0	4	5	16	5	0	0	0	0	0	0	1	2	6	6	15	0	5	17	8	0	6	0	0	1	6	4	7	6
		15	1011.5	-	9.6	3.3	7.1	58	6.2	0	0	10	16	4	0	0	0	0	0	0	0	1	4	5	20	0	5	19	6	0	5	2	1	0	2	4	12	4
		21	1012.5	-	6.3	1.8	7.2	74	4.0	1	12	4	10	3	0	0	0	0	0	0	0	1	7	9	13	0	2	13	15	0	3	0	1	1	5	6	10	4
WHITBY C.G.	66	3	1010.7	-	5.0	0.7	8.0	90	4.5	3	7	6	6	8	0	0	0	0	0	0	0	1	4	16	9	0	2	20	6	2	2	1	0	0	7	9	6	3
		9	1011.2	-	6.5	1.1	8.2	84	5.8	1	2	4	17	6	0	0	0	0	0	0	0	4	4	16	6	1	9	12	6	2	1	2	0	1	2	7	8	7
		15	1011.4	-	8.6	1.7	8.7	78	5.7	0	2	10	11	7	0	0	0	0	0	0	0	2	4	18	6	0	4	13	8	5	0	2	1	0	4	6	5	7
		21	1012.0	-	6.3	1.2	8.0	83	4.5	2	8	8	5	7	0	0	0	0	0	0	0	1	4	15	10	1	3	13	12	1	0	3	0	0	5	11	7	3
HUMBERSIDE																																		
SPURN POINT	20	3	1012.2	-	5.9	1.2	7.7	82	3.6	7	5	8	4	6	0	0	0	0	0	0	0	0	12	18	0	0	2	20	8	0	1	0	0	1	4	9	9	6
		9	1012.4	-	7.3	1.7	7.9	75	5.0	0	3	13	10	4	0	0	0	0	0	0	1	1	17	11	0	0	8	16	6	0	3	0	0	1	3	8	8	8
		15	1012.5	-	9.6	3.1	7.4	61	5.4	0	2	12	12	4	0	0	0	0	0	0	0	5	7	18	0	0	7	15	8	0	7	1	1	0	1	5	15	0
		21	1013.4	-	7.2	1.6	7.9	78	4.7	1	10	2	10	7	0	0	0	0	0	0	1	1	13	15	0	0	4	19	6	1	4	1	0	1	2	7	10	4
LINCOLNSHIRE																																		
BINBROOK	112	3	1012.2	-	3.7	0.7	7.2	88	4.5	2	9	5	7	7	0	0	0	0	0	0	2	5	6	16	1	0	2	16	12	0	2	0	0	0	5	11	7	5
		9	1012.5	-	6.7	1.4	7.9	80	5.7	0	3	9	13	5	0	0	0	0	0	0	1	3	11	14	1	0	9	15	6	0	5	1	0	0	3	7	7	7
		15	1012.5	-	8.8	2.6	7.6	67	6.4	0	0	9	16	5	0	0	0	0	0	0	1	5	5	16	3	0	8	13	9	0	3	3	0	0	1	1	5	13	4
		21	1013.6	-	5.4	1.1	7.6	83	5.0	0	6	8	11	5	0	0	0	0	0	0	1	3	10	15	1	0	3	14	11	2	3	1	0	1	3	7	9	4
WADDINGTON	70	3	1012.8	-	4.6	1.0	7.3	84	4.2	6	6	4	8	6	0	0	0	0	0	0	0	2	2	14	12	2	0	0	15	15	0	2	0	0	2	3	13	5	5
		9	1013.1	- 2.2	6.9	1.6	7.8	77	5.5	0	5	7	13	5	0	0	0	0	0	0	1	2	9	17	1	0	3	19	8	0	4	0	0	0	2	9	8	7
		15	1013.0	-	9.3	3.0	7.2	61	6.1	0	1	7	18	4	0	0	0	0	0	0	1	4	2	15	8	1	7	12	10	0	3	1	0	0	2	5	14	5	2
		21	1014.1	-	6.1	1.4	7.6	79	4.8	4	4	6	11	5	0	0	0	0	0	0	0	2	8	16	4	0	1	12	17	0	2	0	4	1	4	6	11	2
3 EAST ANGLIA																																		
NORFOLK																																		
COLTISHALL	17	3	1012.5	-	5.1	1.3	7.2	80	5.6	0	6	5	10	9	0	0	0	0	0	0	0	2	13	13	2	0	0	14	15	1	3	0	0	1	1	11	8	5
		9	1012.7	-	8.2	2.1	7.8	70	6.0	0	3	7	13	7	0	0	0	0	0	0	0	3	10	10	7	0	2	21	7	0	6	0	0	0	3	5	10	6
		15	1012.8	-	10.0	3.4	7.1	57	5.6	0	2	10	12	6	0	0	0	0	0	0	0	5	2	11	12	0	2	22	6	0	4	2	1	0	1	6	11	5
		21	1013.8	-	6.2	1.5	7.6	78	4.4	1	8	9	8	4	0	0	0	0	0	0	1	3	9	12	5	0	1	8	18	3	2	0	1	0	3	10	8	3
MARHAM	24	3	1013.5	-	4.4	0.6	7.8	91	5.0	2	5	6	9	8	0	0	0	0	0	0	3	4	6	16	1	0	0	14	16	0	2	0	1	2	6	10	3	6
		9	1013.6	- 1.9	7.7	1.4	8.5	80	6.2	0	3	5	13	9	0	0	0	0	0	0	0	3	9	13	5	0	2	22	6	0	3	0	1	0	7	5	6	8
		15	1013.6	-	9.5	2.6	7.9	66	6.5	0	0	9	15	6	0	0	0	0	0	0	0	4	2	11	13	0	5	18	7	0	5	3	2	0	1	7	9	3
		21	1014.6	-	6.1	1.1	7.9	83	4.3	4	9	2	9	6	0	0	0	0	0	0	1	2	5	13	9	0	0	12	18	0	5	0	1	2	3	11	6	2
CAMBRIDGESHIRE																																		
WITTERING	76	3	1013.7	-	4.4	1.0	7.2	84	4.6	2	8	6	7	7	0	0	0	0	0	0	0	3	10	14	3	0	0	19	11	0	2	1	0	0	5	7	12	3
		9	1013.9	- 1.7	7.5	1.8	7.9	74	5.3	0	6	8	12	4	0	0	0	0	0	0	0	4	9	12	5	0	2	23	5	0	4	1	1	0	3	7	11	3
		15	1013.7	-	9.6	3.5	7.1	59	6.2	0	0	8	15	7	0	0	0	0	0	0	0	3	2	18	7	0	2	17	11	0	3	1	0	1	2	6	9	8
		21	1014.9	-	5.8	1.5	7.3	78	4.3	2	10	5	9	4	0	0	0	0	0	0	0	2	7	18	3	0	0	10	19	1	2	1	3	0	4	7	9	3
WYTON	43	3	1014.1	-	4.8	0.9	7.5	85	4.7	8	2	4	8	8	0	0	0	0	0	0	1	5	9	13	2	0	0	17	12	1	2	0	0	1	4	13	5	4
		9	1014.3	-	7.8	1.8	8.1	75	5.8	0	3	6	18	3	0	0	0	0	0	0	0	4	9	11	6	0	3	21	6	0	4	0	1	1	4	7	8	5
		15	1014.1	-	9.7	2.9	7.8	64	6.2	0	1	8	14	7	0	0	0	0	0	0	0	5	6	10	11	0	4	19	7	0	3	3	1	1	1	9	8	4
		21	1015.3	-	6.3	1.5	7.6	78	4.7	1	9	4	8	8	0	0	0	0	0	0	0	3	5	17	5	0	1	8	20	1	2	2	0	1	2	10	10	2
SUFFOLK																																		
ALDEBURGH	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1015.1	-	-	-	-	-	2.8	15	1	5	4	5	0	0	0	0	0	0	2	3	25	0	0	0	3	7	15	5	2	3	0	0	2	4	11	3
HONINGTON	51	3	1013.6	-	4.3	0.9	7.3	85	4.5	6	6	3	5	10	0	0	0	0	0	0	0	0	8	12	9	1	0	1	12	16	1	2	0	0	1	5	10	8	3
		9	1013.7	-	7.5	1.9	7.7	73	6.1	0	2	6	17	5	0	0	0	0	0	0	0	4	6	16	4	0	0	24	6	0	3	2	0	0	6	6	9	4
		15	1013.6	-	9.4	3.2	7.1	60	6.2	0	1	7	15	7	0	0	0	0	0	0	0	4	3	14	9	0	0	24	6	0	6	0	2	1	2	8	9	2
		21	1014.7	-	5.6	1.5	7.2	78	4.6	1	10	4	8	7	0	0	0	0	0	0	1	3	8	13	5	0	0	7	22	1	3	0	1	1	5	11	7	1
WATTISHAM	91	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1013.9	-	7.3	1.6	8.0	77	5.8	0	2	10	14	4	0	0	0	0	0	0	1	1	11	11	6	0	7	17	6	0	3	1	0	0	5	6	10	5
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BEDFORDSHIRE																																		
CARDINGTON	30	3	1014.5	-	4.3	0.6	7.7	90	4.5	4	6	7	3	10	0	0	0	0	0	0	0	1	15	14	0	0	0	15	15	0	2	1	1	1	2	7	10	6
		9	1014.7	- 1.1	8.0	1.6	8.5	77	6.2	0	2	5	18	5	0	0	0	0	0	0	0	3	13	12	0	0	0	20	10	0	6	1	2	0	2	6	11	2
		15	1014.4	-	10.0	3.0	7.8	63	6.6	0	0	6	16	8	0	0	0	0	0	0	0	3	7	20	0	0	4	18	8	0	1	5	2	2	0	1	14	5
		21	1015.5	-	5.8	1.2	7.7	83	4.3	2	9	6	10	3	0	0	0	0	0	0	0	1	16	13	0	0	1	8	21	0	0	2	1	1	3	3	16	4

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

APRIL 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	NUMBER OF OBSERVATIONS: 0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
3 EAST ANGLIA -CONTD.																																										
ESSEX																																											
SHOEBURYNESS	5	9	1014.9	- 1.1	8.3	1.8	8.4	75	5.6	0	5	5	14	6	0	0	0	0	0	0	0	0	2	11	12	5	0	0	20	10	0	5	1	0	0	1	9	8	6
		15	1014.5	-	10.3	2.8	8.3	65	6.4	0	2	4	15	9	0	0	0	0	0	0	0	0	4	5	11	10	0	1	19	10	0	5	2	3	1	1	7	8	3
		21	1015.6	-	6.7	1.3	8.1	81	3.6	3	12	4	9	2	0	0	0	0	0	0	0	1	2	3	15	9	0	0	7	23	0	2	1	1	2	2	8	11	3
STANSTED	102	3	1014.4	-	4.0	0.8	7.3	86	4.3	4	9	3	2	12	0	0	0	0	1	0	1	6	10	9	3	0	0	10	17	3	3	0	1	1	3	11	5	3
		9	1014.6	- 1.3	7.3	1.7	7.8	75	5.7	0	5	4	15	6	0	0	0	0	0	0	1	0	1	8	17	4	0	0	20	10	0	5	1	1	0	3	8	7	5
		15	1014.0	-	9.6	3.3	7.1	59	5.7	0	4	7	12	7	0	0	0	0	0	0	1	3	4	11	11	0	0	1	23	6	0	5	0	2	0	1	7	9	6
		21	1015.4	-	5.7	1.4	7.3	78	4.6	2	6	7	12	3	0	0	0	0	0	1	0	4	4	13	8	0	0	6	22	2	3	1	1	2	3	9	8	1
4 MIDLAND COUNTIES																																										
WEST YORKSHIRE																																										
HUDDERSFIELD	235	3	1012.0	-	3.6	0.9	6.8	84	6.3	3	0	4	8	15	0	0	0	0	0	0	1	4	17	8	0	0	4	8	18	0	3	0	1	1	4	6	10	5
OAKES		9	1012.6	-	5.9	1.4	7.3	78	5.9	1	1	9	10	9	0	0	0	0	0	0	3	9	10	8	0	1	3	12	14	0	2	0	0	2	5	5	9	7
		15	1012.7	-	8.1	2.4	7.4	67	6.8	0	0	4	18	8	0	0	0	0	0	0	1	2	10	17	0	1	3	13	13	0	5	1	0	2	1	8	10	3
		21	1013.5	-	5.1	1.2	7.3	81	5.2	1	5	5	14	5	0	0	0	0	0	0	0	0	7	23	0	0	4	9	10	7	2	2	0	0	4	3	8	4
WILSDEN	267	3	1012.1	-	3.5	0.7	7.0	87	5.4	3	4	6	5	12	0	0	0	0	0	0	1	5	24	0	0	0	4	13	12	1	0	0	0	2	3	6	14	4
		9	1012.5	-	5.0	1.1	7.3	83	5.4	0	4	10	8	8	0	0	0	0	1	0	1	3	13	12	0	0	4	16	10	0	4	2	0	1	3	7	7	6
		15	1012.2	-	7.5	2.5	6.9	65	5.6	0	2	12	8	8	0	0	0	0	0	0	0	5	9	16	0	0	3	20	7	0	1	2	0	1	1	4	16	5
		21	1013.4	-	4.5	1.1	7.0	82	4.7	0	9	8	6	7	0	0	0	0	0	0	0	5	21	4	0	0	3	14	11	2	3	1	1	1	1	8	11	2
SOUTH YORKSHIRE																																										
FINNINGLEY	15	3	1012.2	-	4.5	0.9	7.5	86	4.2	5	6	7	4	8	0	0	0	0	0	0	1	3	6	11	9	0	1	6	23	0	0	0	0	2	8	5	10	5
		9	1012.8	- 2.4	7.6	2.0	7.6	72	5.4	0	4	10	12	4	0	0	0	0	0	0	1	4	5	19	2	0	1	24	5	0	6	0	0	1	4	6	7	6
		15	1012.4	-	10.1	3.2	7.5	60	5.9	0	1	9	18	2	0	0	0	0	0	0	0	2	6	11	11	0	5	15	10	0	4	2	0	0	1	9	11	3
		21	1013.7	-	6.2	1.6	7.4	77	4.3	1	9	8	7	5	0	0	0	0	0	0	0	1	9	10	10	0	1	11	17	1	3	0	1	1	4	9	8	3
NOTTINGHAMSHIRE																																										
WATNALL	119	3	1012.9	-	4.6	0.8	7.5	86	4.9	4	5	4	10	7	0	0	0	0	0	0	0	0	9	13	7	1	0	0	10	20	0	4	0	0	1	5	11	6	3
		9	1013.2	- 2.1	7.0	1.6	7.8	77	5.5	0	4	11	8	7	0	0	0	0	0	0	0	11	9	9	1	0	0	17	13	0	5	2	1	0	3	10	5	4
		15	1013.1	-	9.1	2.7	7.6	65	6.3	0	1	5	19	5	0	0	0	0	0	1	0	1	10	15	3	0	1	16	13	0	2	2	0	1	3	8	9	5
		21	1014.2	-	6.0	1.4	7.5	78	4.8	2	7	6	5	10	0	0	0	0	0	0	0	6	17	7	0	0	0	9	19	2	0	2	2	1	3	8	9	3
SALOP																																										
SHAWBURY	76	3	1013.5	-	4.7	0.8	7.6	87	5.0	2	7	5	6	10	0	0	0	0	0	0	1	3	4	20	2	0	0	9	20	1	1	1	1	1	2	10	11	2
		9	1013.9	- 1.6	7.6	1.6	8.2	77	5.7	0	2	10	10	8	0	0	0	0	0	0	1	2	7	11	9	0	1	15	14	0	5	0	1	0	2	1	5	11	6
		15	1013.7	-	9.5	2.4	8.3	69	6.3	0	0	10	11	9	0	0	0	0	0	0	0	3	1	18	8	0	3	17	10	0	3	0	1	0	2	5	11	8
		21	1014.8	-	6.0	1.2	7.7	81	4.9	1	7	7	7	8	0	0	0	0	0	0	0	3	5	19	3	0	1	10	19	0	2	0	2	0	3	9	8	6
WEST MIDLANDS																																										
EDGBASTON	165	9	1014.4	- 1.4	6.6	1.8	7.3	73	6.3	0	1	7	15	7	0	0	0	0	0	0	0	8	11	8	3	0	0	14	16	0	7	0	0	2	3	4	9	5
		15	1014.2	-	9.1	3.2	6.8	58	6.8	0	0	5	16	9	0	0	0	0	0	0	0	2	13	11	4	0	1	13	16	0	7	1	0	0	2	4	8	8
		21	1015.3	-	6.7	2.1	7.0	70	4.8	2	6	6	10	6	0	0	0	0	0	1	0	16	13	0	0	0	9	20	1	4	0	1	0	2	4	12	6
ELMDON	100	3	1014.1	-	4.6	1.0	7.3	83	4.8	2	8	3	9	8	0	0	0	0	0	0	0	0	15	12	3	0	0	13	16	1	2	0	1	4	3	8	6	5
		9	1014.4	- 1.3	7.3	1.9	7.7	73	6.1	0	2	7	13	8	0	0	0	0	0	0	0	2	19	7	2	0	0	17	13	0	4	1	0	2	3	8	4	8
		15	1014.2	-	9.4	3.0	7.3	61	6.6	0	1	5	17	7	0	0	0	0	0	0	0	2	11	12	5	0	2	17	11	0	2	3	0	1	4	8	7	5
		21	1015.3	-	6.3	1.8	7.2	74	4.7	2	9	3	10	6	0	0	0	0	0	0	0	2	14	12	2	0	0	10	20	0	2	1	1	1	3	9	7	6
HEREFORD & WORCESTER																																										
PERSHORE	36	3	1014.4	-	5.1	0.9	7.7	85	4.9	3	6	4	10	7	0	0	0	0	0	0	0	3	11	9	7	0	0	11	17	2	2	0	1	1	5	10	6	3
		9	1014.7	-	7.8	1.4	8.6	79	5.5	0	4	9	11	6	0	0	0	0	0	0	0	3	7	13	7	0	1	17	12	0	3	1	1	1	2	6	11	5
		15	1014.5	-	10.2	2.8	8.3	65	6.6	0	0	7	14	9	0	0	0	0	0	0	0	2	6	14	8	0	4	14	12	0	2	2	0	1	0	11	7	7
		21	1015.5	-	6.6	1.4	7.9	79	4.8	1	10	3	8	8	0	0	0	0	0	0	1	0	8	15	6	0	1	5	24	0	2	0	3	0	5	9	4	7
GLOUCESTER																																										
INNSWORTH	24	3	1014.7	-	5.1	0.9	7.7	85	5.0	4	5	4	7	10	0	0	0	0	0	0	0	5	7	17	1	0	0	9	16	5	1	0	1	1	12	6	1	3
		9	1015.1	-	8.0	1.7	8.4	76	5.9	0	3	7	13	7	0	0	0	0	0	0	2	6	4	10	8	0	0	17	13	0	3	1	1	1	8	4	10	2
		15	1014.9	-	10.3	3.0	8.0	63	6.4	0	0	7	17	6	0	0	0	0	0	0	1	3	4	10	12	0	0	18	12	0	2	1	0	1	5	5	12	4
		21	1015.8	-	6.7	1.5	7.8	78	4.7	4	4	8	7	7	0	0	0	0	0	0	0	4	7	14	5	0	0	5	22	3	2	1	1	0	11	7	2	3
OXFORDSHIRE																																										
BENSON	74	3	1015.2	-	4.9	1.0	7.4	84	4.6	6	4	6	4	10	0	0	0	0	0	0	0	2	12	12	4	0	0	8	16	6	1	1	0	1	8	6	5	2
		9	1015.4	-	7.5	1.8	7.9	74	5.9	0	3	6	16	5	0	0	0	0	0	0	0	3	8	11	8	0	0	17	12	1	4	3	0	1	5	6	7	3
		15	1014.9	-	10.4	3.5	7.3	57	6.4	0	1	5	17	7	0	0	0	0	0	0	1	5	12	12	0	0	1	17	12	0	4	2	1	0	1	9	8	5
		21	1016.2	-	6.6	1.6	7.6	77	4.5	2	10	4	8	6	0	0	0	0	0	0	2	7	13	8	0	0	0	5	23	2	2	2	2	1	4	9	5	3
BRIZE NORTON	92	3	1015.1	-	4.5	0.9	7.4	85	4.3	8	2	6	7	7	0	0	0	0	0	0	1	0	7	3	15	4	0	0	7	21	2	2	2	1	1	2	8	10	2
		9	1015.4	-	7.4	1.8	7.8	73	5.7	0	2	10	12	6	0	0	0	0	0	0	0	4	8	10	8	0	0	16	13	1	4	0	2	1	2	6	9	5
		15	1015.1	-	9.9	3.5	7.0	56	6.3	0	1	6	17	6	0	0	0	0	0	0	2	5	13	10	0	0	2	20	8	0	3	4	0	1	1	7	8	6
		21	1016.2	-	6.5	1.6	7.5	76	4.1	3	9	5	9	4	0	0	0	0	0	0	1	2	4	16	7	0	0	8	22	0	1	2	3	0	2	9	7	6
5 ENGLAND SE & CENT. S.																																										
GREATER LONDON																																										
HEATHROW	26	3	1015.3	-	5.3	1.0	7.8	85	4.1	8	6	2	6	8	0	0	0	0	0	0	1	5	12	12	0	0	0	7	23	0	4	1	1	2	2	11	6	3
		9	1015.6	- 0.5	8.1	1.8	8.2	74	5.5	0	5	5	14	6	0	0	0	0	0	0	0	5	9	14	2	0	0	15	15	0	4	0	2	0	5	7	7	5
		15	1015.0	-	10.7	3.4	7.6	59	5.9	0	1	11	10	8	0	0	0	0	0	0	1	0	10	13	6	0	0	17	13	0	4	1	1	0	4	5	11	4
		21	1016.3	-	7.2	1.6	7.9	77	4.5	2	10	1	12	5	0	0	0	0	0	0	0	1	15	13	1	0	0	6	24	0	1	3	1	2	4	9	7	3
KEW	10	3	1015.4	-	5.1	1.7	6.9	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1015.7	- 0.4	8.1	2.6	7.4	67	5.6	0	4	8	10	8	0	0	0	0	0	0	0	5	9	14	2	0	0	18	12	0	7	0	1	0	3	9	6	4
		15	1015.1	-	10.2	4.1	6.8	55	6.1	0	0	10	12	8	0	0	0	0	0	0	0	2	9	10	9	0	0	13	17	0	4	1	1	0	2	8	9	5
		21	1016.4	-	6.9	2.4	7.0	69	4.2	5	7	4	10	4	0	0	0	0	0	0	0	2	5	23	0	0	0	5	23	2	2	3	1	0	4	10	6	2
LONDON	24	3	1014.9	-	6.7	1.8	7.4	73	3.9	6	7	5	6	6	0	0	0	0	0	0	0	3	9	18	0	0	0	13	17	0	3	1	0	0	6	11	7	2
WEATHER CENTRE (X)		9	1015.2	-	8.6	2.6	7.4	64	5.7	0	3	8	13	6	0	0	0	0	0	0	0	4	13	12	1	0	0	19	11	0	3	2	0	0	3	10	7	5
		15	1014.6	-	11.0	4.1	6.8	52	6.0	0	4	6	11	9	0	0	0	0	0	0	1	0	9	15	5	0	1	21	7	1	6	0	1	0	3	9	8	2
		21	1016.0	-	8.3	2.5	7.3	65	4.3	6	4	4	12	4	0	0	0	0	0	0	0	2	5	23	0	0	0	11	19	0	1	3	2	1	3	12	4	4
WILTSHIRE																																										
BOSCOMBE DOWN	128	3	1015.7	-	4.3	0.7	7.5	88	4.6	7	4	4	6	9	0	0	0	0	0	0	0	4	8	16	2	0	0	10	18	2	2	2	0	1	4	6	9	4
		9	1016.0	- 0.4	7.4	1.6	8.1	77	5.6	0	5	8	9	8	0	0	0	0	0	0	0	3	8	8	11	0	0	17	13	0	5	0	2	1	4	5	9	4
		15	1015.5	-	9.9	3.1	7.6	61	5.9	0	1	11	14	4	0	0	0	0	0	0	1	1	3	11	14	0	1	18	11	0	5	2	1	0	2	5	10	5
		21	1016.8	-	5.8	1.3	7.5	80	4.4	4	8	2	11	5	0	0	0	0	0	0	0	3	3	19	5	0	0	7	21	2	3	1	2	0	3	8	9	2
LYNEHAM	149	3	1015.6	-	4.3	0.7	7.5	87	5.1	4	4	2	11	9	0	0	1	0	0	0	1	0	4	10	11	3	0	0	9	20	1	0	3	0	1	5	10	7	3
		9	1015.8	- 0.4	6.9	1.5	8.0	78	6.1	0	3	4	15	8	0	0	0	0	0	2	5	6	12	5	0	0	18	12	0	3	2	0	1	3	8	9	4
		15	1015.4	-	9.2	2.8	7.5	64	6.4	0	2	5	14	9	0	0	0	0	0	0	2	6	13	9	0	0	1	21	8	0	3	3	0	1	2	4	12	5
		21	1016.6	-	5.8	1.5	7.3	77	4.3	1	10	6	8	5	0	0	0	0	0	0	1	4	4	16	5	0	0	9	20	1	2	1	2	0	4	11	6	3
UPAVON	183	9	1015.9	-	7.0	1.3	8.3	81	6.0	0	1	8	14	7	0	0	0	0	0	0	2	4	8	13	3	0	1	16	13	0	4	1	2	1	2	7	10	3
		15	1015.5	-	9.6	2.7	7.9	66	6.2	0	1	7	17	5	0	0	0	0	0	0	0	2	3	19	6	0	0	15	15	0	5	2	1	0	1	4	12	5
		21	1016.8	-	5.4	1.0	7.7	84	4.5	6	4	5	9	6	0	0	0	0	0	0	0	3	6	18	3	0	0	7	19	4	2	1	0	0	2	9	7	5

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

APRIL 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT								VISIBILITY								WIND SPEED AND DIRECTION									
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS								0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	BEAUFORT FORCE					SPEED (KT)								
																											8 OR MORE	6-7	4-5	1-3	CALM	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED																									
									NUMBER OF OBSERVATIONS																															
5 ENGLAND SE & CENT. S.			-CONTD.																																			
KENT																																						
DUNGENESS	7	3	1015.2	-	-	-	-	-	3.9	7	8	3	2	9	1	0	0	0	0	1	0	1	2	5	20	1	0	3	11	16	0	2	2	0	0	4	4	13	5
		9	1015.7	-	8.4	1.7	8.6	77	6.0	0	3	6	12	8	1	0	0	0	2	0	0	3	13	11	1	0	1	24	5	0	3	1	2	0	0	3	5	10	6
		15	1015.3	-	-	-	-	-	6.1	0	2	10	7	11	0	0	0	0	0	1	0	0	4	6	19	0	0	2	24	4	0	5	3	3	0	1	9	9	2
		21	1016.2	-	-	-	-	-	4.4	2	8	8	4	8	0	0	0	0	0	0	0	0	2	4	23	1	0	1	16	12	1	5	2	2	1	0	2	16	1
MANSTON	45	3	1014.9	-	5.2	1.0	7.6	84	4.4	3	7	7	6	7	0	0	0	0	0	0	0	1	1	11	13	5	0	0	14	16	0	5	1	1	0	4	11	5	3
		9	1015.1	-	8.1	1.8	8.2	75	5.9	0	5	4	15	6	0	0	0	0	0	0	0	1	2	10	8	9	0	0	2	23	5	0	0	2	0	5	5	8	7
		15	1014.9	-	9.8	2.8	8.0	65	5.3	0	7	6	11	6	0	0	0	0	0	0	0	0	5	5	9	11	0	0	3	21	6	0	0	3	2	0	3	6	7	4
		21	1016.0	-	6.1	1.2	7.8	81	4.7	0	7	11	7	5	0	0	0	0	0	0	0	1	1	4	18	6	0	0	12	18	0	3	2	2	1	2	8	11	1
HAMPSHIRE																																							
SOUTHAMPTON	9	3	1015.9	-	5.9	1.0	8.1	84	3.9	9	5	2	7	7	0	0	0	0	0	0	0	1	5	10	14	0	0	0	3	26	1	0	4	2	0	3	3	11	6
WEATHER CENTRE (X)		9	1016.3	-	8.6	2.2	8.0	70	5.4	0	5	8	8	9	0	0	0	0	0	0	0	4	9	16	1	0	0	0	10	20	0	2	3	1	0	3	6	11	4
		15	1015.8	-	11.1	3.5	7.7	57	6.4	0	0	7	14	9	0	0	0	0	0	0	0	2	5	23	0	0	0	0	13	17	0	1	2	0	2	2	4	13	6
		21	1017.0	-	7.9	1.8	8.1	74	4.4	3	10	3	6	8	0	0	0	0	0	0	0	0	5	6	19	0	0	0	0	4	26	0	1	3	0	1	0	6	15	4
WEST SUSSEX																																							
GATWICK	60	3	1015.6	-	3.9	0.6	7.6	91	4.1	5	8	5	4	8	0	0	0	0	0	0	0	2	7	16	5	0	0	0	8	16	6	2	4	1	0	0	2	12	5	3
		9	1015.7	- 0.5	7.8	1.7	8.2	75	5.5	0	5	7	11	7	0	0	0	0	0	0	0	0	7	10	7	6	0	0	15	15	0	4	1	2	0	4	7	8	4
		15	1015.1	-	10.2	3.0	7.9	62	6.2	0	0	10	13	7	0	0	0	0	0	0	0	0	4	5	11	10	0	1	16	13	0	5	2	0	0	2	8	7	6	3
		21	1016.5	-	6.0	1.1	7.9	83	4.3	1	11	5	8	5	0	0	0	0	0	0	0	1	5	10	12	2	0	0	9	19	2	2	2	2	1	3	10	5	3
EAST SUSSEX																																							
HERSTMONCEUX	28	3	1016.0	-	4.5	0.6	7.8	90	4.2	7	5	5	2	11	0	0	0	0	0	0	0	1	0	6	11	12	0	0	1	6	18	5	5	2	0	0	3	7	7	1
		9	1016.4	-	8.0	1.6	8.5	77	5.7	0	4	8	10	8	0	0	0	0	0	0	0	1	5	8	12	5	0	0	4	11	15	0	4	3	0	0	5	6	9	3
		15	1015.9	-	9.4	2.4	8.3	70	6.0	0	1	10	10	9	0	0	0	0	0	0	0	0	1	6	8	11	0	0	6	11	13	0	4	2	1	0	4	10	6	3
		21	1017.1	-	5.9	0.8	8.2	87	4.2	2	10	5	6	7	0	0	0	0	0	0	0	1	3	5	20	1	0	2	4	17	7	4	2	0	1	2	4	9	1
7A ENGLAND NW & I.O.M.																																							
CUMBRIA																																							
CARLISLE	28	3	1010.6	-	5.1	0.9	7.7	85	6.3	0	4	3	13	10	0	0	0	0	0	0	0	1	4	8	14	3	0	1	15	14	0	2	1	2	1	2	8	13	1
		9	1011.1	- 3.5	6.7	1.5	7.7	77	6.0	0	4	5	12	9	0	0	0	0	0	0	0	0	1	1	6	13	9	0	0	13	17	0	3	1	1	0	2	1	9	12	2
		15	1011.0	-	9.3	2.5	8.0	67	5.9	0	2	7	17	4	0	0	0	0	0	0	0	0	1	1	5	13	11	0	1	20	8	1	1	1	1	0	1	12	10	3
		21	1011.8	-	6.2	1.1	8.0	82	6.2	0	3	5	14	8	0	0	0	0	0	0	0	0	0	3	8	17	2	0	1	11	18	0	0	2	2	3	1	10	9	3
LANCASHIRE																																							
SQUIRES GATE	11	3	1012.3	-	6.0	0.9	8.2	86	6.2	0	2	8	10	10	0	0	0	0	0	0	0	0	3	9	15	3	0	3	17	10	0	4	1	1	2	4	3	12	3
		9	1012.9	- 2.1	7.2	1.3	8.3	81	6.1	0	3	5	14	8	0	0	0	0	0	0	0	0	4	10	15	1	0	2	20	8	0	2	1	2	2	6	10	5
		15	1013.1	-	8.8	1.8	8.8	76	5.2	0	10	2	11	7	0	0	0	0	0	0	0	1	3	7	13	6	0	2	22	6	0	0	1	1	0	2	7	13	6
		21	1013.7	-	6.8	1.1	8.3	83	5.7	0	6	5	12	7	0	0	0	0	0	0	0	0	4	6	18	2	0	3	17	9	1	2	2	1	1	2	7	12	2
MERSEYSIDE																																							
SPEKE	24	3	1013.4	-	5.8	1.0	8.0	84	5.8	0	6	3	13	8	0	0	0	0	0	0	0	0	1	11	13	5	0	2	15	13	0	4	0	2	2	5	4	8	5
		9	1013.9	- 1.4	7.7	1.5	8.3	78	6.0	0	3	5	17	5	0	0	0	0	0	0	0	0	2	7	13	8	0	0	21	9	0	4	0	1	1	1	5	8	10
		15	1013.9	-	9.7	2.5	8.2	67	5.4	0	4	8	13	5	0	0	0	0	0	0	0	0	1	7	8	14	0	0	2	20	8	0	2	0	1	0	3	4	7	13
		21	1014.7	-	7.0	1.4	8.1	79	5.0	0	9	4	13	4	0	0	0	0	0	0	0	0	1	5	20	4	0	1	11	17	1	4	1	1	0	3	6	5	9
GREATER MANCHESTER																																							
MANCHESTER	42	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEATHER CENTRE (X)		9	1013.7	-	7.0	2.0	7.3	71	6.4	0	2	5	14	9	0	0	0	0	0	0	0	0	0	7	13	10	0	0	12	18	0	4	2	0	1	2	8	6	7
		15	1013.6	-	9.3	3.4	6.7	56	6.6	0	0	5	21	4	0	0	0	0	0	0	0	0	2	8	17	3	0	1	12	17	0	5	0	1	0	1	5	11	7
		21	1014.5	-	7.2	2.1	7.3	70	5.0	0	9	5	12	4	0	0	0	0	0	0	0	0	4	10	16	0	0	1	4	25	0	6	1	1	0	4	4	8	6
RINGWAY	84	3	1013.0	-	5.3	1.2	7.3	80	6.2	1	4	2	9	14	0	0	0	0	0	0	0	0	1	6	6	17	0	0	1	10	19	0	1	1	0	2	9	5	7	5
		9	1013.5	- 1.7	6.9	1.9	7.3	71	6.2	0	3	6	10	11	0	0	0	0	0	0	0	0	0	5	14	11	0	0	0	19	11	0	4	2	0	2	4	4	8	6
		15	1013.4	-	9.2	3.1	7.0	59	6.0	0	2	7	18	3	0	0	0	0	0	0	0	0	3	2	22	3	0	0	1	20	9	0	2	0	1	0	2	5	13	7
		21	1014.4	-	6.8	2.0	7.1	71	5.0	0	7	7	11	5	0	0	0	0	0	0	0	0	2	10	18	0	0	0	1	10	19	0	4	1	1	1	4	6	7	6
ISLE OF MAN																																							
POINT OF AYRE	9	3	1011.5	-	6.6	0.9	8.5	86	5.8	1	1	9	9	10	0	0	0	0	0	0	0	0	0	1	7	6	17	1	8	15	6	0	5	0	0	1	3	5	13	3
		9	1012.1	- 2.2	7.7	1.4	8.5	79	5.5	0	3	11	8	8	0	0	0	0	0	0	0	0	1	4	17	8	0	0	9	14	6	1	2	2	0	2	6	10	7
		15	1012.4	-	9.8	2.4	8.6	70	5.5	0	3	9	13	5	0	0	0	0	0	0	0	1	0	0	2	13	14	0	0	9	17	4	0	1	2	2	0	0	3	6	12	6
		21	1012.8	-	7.1	1.2	8.4	82	5.4	0	3	11	7	9	0	0	0	0	0	0	0	0	1	4	7	18	0	0	6	19	4	1	2	1	1	1	3	8	10	3
RONALDSWAY	21	3	1012.0	-	6.0	1.0	8.1	85	5.7	0	6	6	6	12	0	0	0	0	0	0	0	0	1	4	5	12	8	0	4	17	8	1	3	0	0	3	1	6	13	3
		9	1012.7	- 2.0	7.2	1.5	8.1	78	5.5	0	6	5	12	7	0	0	0	0	0	0	0	0	3	2	4	7	14	0	5	19	6	0	4	1	0	2	1	5	12	5
		15	1012.9	-	8.4	2.0	8.2	73	5.7	0	5	5	13	7	0	0	0	0	0	0	0	0	2	2	6	14	8	0	6	20	4	0	1	0	2	0	3	9	8	7
		21	1013.4	-	6.6	1.3	8.0	80	5.1	0	9	4	7	10	0	0	0	0	0	0	0	3	1	5	9	12	0	4	15	11	0	4	0	2	0	2	7	10	5
7B WALES N																																							
GWYNEDD																																							
BARDSEY ISLAND	19	3	1014.1	-	7.1	0.5	9.4	92	5.4	5	2	5	4	13	1	0	0	0	1	0	0	6	16	7	0	1	10	11	8	0	5	0	2	2	2	7	9	3
		9	1014.7	-	7.6	0.9	9.2	88	6.0	0	2	9	8	8	3	0	1	1	1	0	0	2	11	13	1	2	6	14	7	1	5	0	1	1	1	5	10	6
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1015.3	-	7.6	0.7	9.4	90	5.9	0	5	6	4	14	1	0	0	1	0	0	1	2	12	12	2	0	4	13	11	2	4	0	2	1	2	9	7	3
VALLEY	11	3	1013.4	-	6.6	1.0	8.4	85	5.9	0	5	4	9	12	0	0	0	0	0	1	4	4	3	13	5	1	5	16	8	0	4	1	1	1	6	5	8	4
		9	1014.1	- 1.0	7.8	1.4	8.5	80	5.6	0	4	7	11	8	0	0	0	0	0	3	1	1	5	15	5	0	7	17	6	0	4	1	1	1	3	7	9	5
		15	1014.4	-	9.1	2.0	8.6	74	5.6	0	2	11	9	8	0	0	0	0	0	1	2	1	4	11	11	0	7	19	4	0	2	1	0	0	3	12	6	6	5
		21	1014.8	-	7.1	1.2	8.4	82	5.4	0	7	3	11	8	1	0	0	0	1	0	1	3	4	15	6	0	4	15	10	1	1	2	0	3	6	4	8	5
8A WALES S																																							
DYFED																																							
ABERPORTH	134	3	1014.7	-	5.9	0.9	8.1	85	5.4	1	5	7	5	12	0	0	0	0	0	0	2	1	8	3	10	6	0	9	14	7	0	5	1	1	0	0	7	4	7	5
		9	1015.4	- 0.2	7.1	1.3	8.3	81	5.9	0	4	4	14	8	0	0	0	0	0	0	1	2	1	8	14	4	0	2	18	10	0	2	3	0	0	3	6	6	10
		15	1015.5	-	8.3	1.9	8.2	73	5.1	0	6	7	11	6	0	0	0	0	0	0	0	1	3	3	13	10	0	4	18	8	0	8	0	0	0	3	5	9	5
		21	1015.9	-	6.5	1.1	8.2	83	5.8	0	6	3	10	11	0	0	0	0	0	0	0	1	6	5	12	6	0	3	16	11	0	4	1	0	2	6	5	8	4
BRAWDY	116	3	1015.4	-	5.6	0.7	8.3	89	5.6	0	6	8	3	13	0	0	1	2	2	0	0	1	5	5	14	1	0	2	13	15	0	4	3	1	3	2	7	5	5
		9	1016.0	-	7.3	1.1	8.6	83	5.8	0	2	9	11	8	0	0	1	2	0	0	0	1	6	17	3	0	0	1	18	11	0	5	3	0	2	1	5	5	9
		15	1016.2	-	8.5	1.9	8.3	74	5.6	0	3	11	7	9	0	0	1	0	0	1	1	2	3	10	12	0	0	3	20	7	0	9	1	0	1	2	5	9	3
		21	1016.5	-	6.3	0.9	8.3	86	5.5	0	7	4	9	10	0	0	1	1	2	0	2	1	4	3	13	4	0	0	2	15	14	1	3	2	0	2	3	5	10	4
BRYNAMMAN	-	9	-	-	6.5	1.2	8.0	82	6.2	0	3	5	10	12	0	0	0	0	1	0	3	0	4	12	11	0	0	0	3	25	2	3	2	2	1	1	3	9	7
		15	-	-	8.9	2.6	7.7	67	6.3	0	2	5	16	6	1	0	0	1	0	0	3	0	4	3	18	0	0	0	2	18	10	2	0	1	1	1	1	9	5
		21	-	-	5.6	1.0	7.8	84	4.9	1	10	3	6	9	1	0	1	0	0	1	3	1	4	3	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MILFORD HAVEN	39	3	1015.5	-	6.9	0.6	9.2	91	5.1	4	6	3	2	15	0	0	0	0	0	0	0	1	7	14	7	1	0	3	16	10	1	6	1	2	0	3	6	7	4
C.G.		9	1016.0	+ 0.1	8.2	1.0	9.5	86	5.2	0	4	12	5	8	1	0	1	0	0	0	0	1	6	10	12	0	0	4	16	11	1	4	3	0	2	1	5	5	9
		15	1016.3	-	9.7	1.7	9.5	78	5.2	0	1	16	6	7	0	0	0	0	0	0	0	1	4	12	13	0	0	1	22	7	0	6	1	0	0	2	1	2	4
		21	1016.5	-	7.4	0.8	9.1	88	5.0	2	3	11	4	10	0	0	0	0	0	0	0	0	9	9	12	0	0	2	11	17	0	7	0	0	2	3	6	7	5
WEST GLAMORGAN																																							
MUMBLES HEAD	37	3	1015.7	-	6.5	0.9	8.5	86	5.1	4	5	4	3	11	3	0	0	0	1	2	0	0	2	3	14	8	0	4	13	12	1	4	4	1	1	4	3	11	1
		9	1016.1	-	8.0	1.4	8.7	80	5.9	0	2	9	9	10	0	0	0	0	0	0	2	7	4	14	3	1	4	16	9	0	6	1	0	2	1	5	13	2
		15	1016.2	-	9.1	2.0	8.5	73	6.0	0	3	7	13	6	1	0	0	0	1	0	0	1	3	4	15	6	1	9	14	5	1	2	1	1	1	2	4	16	2
		21	1016.8	-	7.3	1.3	8.5	81	4.8	3	7	5	5	9	1	0	0	0	1	0	1	1	5	2	10	10	0	5	11	14	0	6	0	1	2	1	6	12	2

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

APRIL 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	CLOUD AMOUNT: OKTAS: MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: NUMBER OF OBSERVATIONS: 0 - 39M	40 - 199M	200 - 399M	400 - 999M	1000 - 1999M	2000 - 3999M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE: 8 OR MORE	6-7	4-5	1-3	CALM: SPEED (KT): 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
8A WALES S -CONTD.									NUMBER OF OBSERVATIONS																																
MID GLAMORGAN																																										
CILFYNYDD	195	3	1015.6	-	4.6	0.9	7.5	85	5.3	5	3	4	6	12	0	0	0	0	0	0	0	24	6	0	0	0	1	11	8	10	2	2	0	0	2	4	10	0
		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1016.6	-	5.8	1.3	7.5	79	4.4	2	9	6	3	10	0	0	0	0	0	0	1	23	4	2	0	0	1	6	17	6	3	1	0	0	2	5	9	4
SOUTH GLAMORGAN																																									
RHOOSE	69	3	1015.5	-	5.6	0.9	8.0	85	5.6	2	3	6	8	11	0	0	0	0	0	0	1	3	8	16	2	0	0	12	18	0	2	2	3	1	1	5	11	5
		9	1015.9	- 0.3	7.7	1.5	8.4	78	5.5	0	5	7	10	8	0	0	0	0	0	2	0	4	11	12	1	0	0	17	13	0	2	1	1	2	1	1	14	8
		15	1015.9	-	9.3	2.3	8.3	70	5.5	0	4	10	9	7	0	0	0	0	0	0	0	3	8	14	5	0	1	22	7	0	2	0	0	1	2	2	20	3
		21	1016.7	-	6.5	1.2	8.1	82	4.8	1	9	4	7	9	0	0	0	0	0	0	0	6	5	13	6	0	0	11	18	1	0	1	1	0	3	1	18	5
8B ENGLAND SW																																									
AVON																																									
FILTON	61	3	1015.3	-	5.5	1.0	7.8	84	4.9	4	6	3	9	8	0	0	0	0	0	0	1	2	8	18	1	0	0	11	18	1	1	1	4	1	1	7	11	3
		9	1015.7	- 0.6	8.0	1.8	8.2	74	5.4	0	5	7	12	6	0	0	0	0	0	0	1	6	8	14	1	0	0	16	14	0	2	3	1	1	1	5	13	4
		15	1015.4	-	9.7	2.7	7.9	65	6.0	0	3	7	13	7	0	0	0	0	0	0	1	2	5	15	7	0	1	19	10	0	1	3	0	0	0	2	19	5
		21	1016.4	-	6.7	1.5	7.7	77	4.6	3	7	4	11	5	0	0	0	0	0	0	0	2	8	17	3	0	0	7	22	1	3	2	0	0	1	5	13	5
SOMERSET																																									
EXTON	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	5.9	1.1	7.8	83	6.5	0	1	6	9	12	2	0	2	0	0	0	2	5	5	13	3	0	0	6	24	0	6	1	2	1	4	1	10	5
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	4.4	0.8	7.4	87	4.3	5	8	3	4	7	3	0	1	0	2	0	0	4	6	13	4	0	0	5	24	1	8	1	0	0	4	3	11	2
YEOVILTON	23	3	1016.5	-	5.1	0.9	7.9	86	4.5	5	7	3	5	10	0	0	0	0	0	0	1	6	19	4	0	0	1	6	12	11	0	1	1	1	2	6	6	2
		9	1016.9	-	8.3	1.8	8.4	75	6.1	0	2	6	13	9	0	0	0	0	0	0	1	8	15	6	0	0	0	16	14	0	3	2	1	1	3	6	9	5
		15	1016.7	-	10.7	3.3	7.8	60	6.1	0	0	12	14	4	0	0	0	0	0	0	0	2	12	16	0	0	0	2	13	15	0	5	1	0	0	2	3	13	6
		21	1017.6	-	6.9	1.5	7.9	78	4.1	7	3	8	6	6	0	0	0	0	0	0	0	5	8	17	0	0	0	6	16	8	-	-	-	-	-	-	-	-	-	-	-	-
DORSET																																									
HURN	11	3	1016.0	-	4.4	0.6	7.8	90	4.3	8	5	2	6	9	0	0	0	0	0	1	1	2	10	15	1	0	1	8	17	4	3	0	1	0	2	6	8	6
		9	1016.3	-	8.5	2.0	8.2	73	5.6	0	5	7	10	8	0	0	0	0	0	0	1	5	8	15	1	0	1	16	13	0	6	1	2	0	3	8	6	4
		15	1015.9	-	10.4	3.1	7.9	62	6.1	0	0	8	18	4	0	0	0	0	0	0	0	2	7	19	2	0	1	19	10	0	6	0	0	0	4	7	8	5
		21	1017.0	-	6.7	1.3	8.2	81	4.2	2	12	3	7	6	0	0	0	0	0	0	0	6	6	18	0	0	0	8	20	2	2	2	0	1	1	8	8	6
PORTLAND BILL.C.G.	54	3	1016.3	-	6.9	0.5	9.3	92	4.3	10	3	1	3	13	0	0	0	0	0	1	0	4	8	17	0	0	10	10	10	0	0	2	1	2	2	1	11	3
		9	1017.1	-	7.8	0.9	9.4	87	5.5	0	5	8	7	10	0	0	0	0	0	1	2	5	8	14	0	0	4	18	8	0	5	2	2	0	1	4	12	4
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEVON																																									
EXETER	38	3	1016.3	-	5.6	0.7	8.4	89	5.0	5	3	4	9	9	0	0	0	0	0	0	0	1	11	14	4	0	0	8	20	2	2	3	1	1	5	2	8	6
		9	1016.7	+ 0.3	8.4	1.5	8.9	78	6.2	0	3	5	12	10	0	0	0	0	0	0	0	3	8	11	0	0	0	15	15	0	1	1	1	2	4	5	8	8
		15	1016.5	-	10.8	2.7	8.8	67	6.3	0	2	3	18	7	0	0	0	0	0	0	0	0	5	12	13	0	0	4	22	4	0	3	1	0	3	1	4	13	5
		21	1017.5	-	7.1	1.2	8.5	83	4.6	2	9	3	8	8	0	0	0	0	0	0	0	1	10	6	13	0	0	5	24	1	3	1	1	3	4	6	8	3
HARTLAND POINT	93	3	1015.9	-	7.2	0.9	8.9	87	5.6	2	4	5	7	10	2	0	1	0	1	0	1	0	7	11	9	1	7	13	7	2	6	2	3	0	2	4	8	3
		9	1016.6	-	7.7	1.0	9.1	85	5.9	0	1	12	8	7	2	0	0	0	2	0	0	2	10	8	8	0	7	11	11	1	5	2	1	1	2	1	12	5
		15	1017.0	-	8.6	1.4	9.1	81	5.8	0	4	6	13	7	0	0	0	0	0	0	3	9	8	10	1	6	13	9	1	6	1	0	0	2	2	11	7
		21	1017.1	-	7.5	1.0	8.9	86	5.4	0	3	13	4	9	1	1	0	0	0	0	3	1	7	7	11	0	8	12	8	2	5	2	1	0	3	3	12	2
MOUNT BATTEN	28	3	1016.7	-	6.4	0.9	8.5	87	4.9	7	2	4	5	12	0	0	0	0	0	0	0	5	11	14	0	0	1	13	15	1	2	2	5	1	1	4	8	6
		9	1017.2	+ 0.8	8.1	1.4	8.8	80	6.1	0	2	6	11	11	0	0	0	0	0	1	0	8	6	8	7	0	1	16	13	0	4	2	3	1	1	2	12	5
		15	1017.3	-	9.6	2.2	8.7	72	6.2	0	2	7	15	6	0	0	0	0	0	0	1	5	5	6	13	0	4	15	11	0	4	0	2	1	2	11	4	6
		21	1018.0	-	7.7	1.4	8.5	79	4.7	3	8	3	7	9	0	0	0	0	0	0	1	6	6	13	4	0	1	10	19	0	8	2	2	2	1	5	6	4
PRAWLE POINT	-	3	-	-	-	-	-	-	4.3	8	4	4	4	10	0	0	0	0	0	0	1	4	7	17	1	2	9	11	7	1	6	1	2	1	1	2	12	4
		9	-	-	-	-	-	-	5.9	1	4	4	7	13	1	0	0	0	0	3	0	0	6	4	17	0	2	5	13	9	1	0	3	4	1	1	2	12	6
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	4.6	7	3	5	4	11	0	0	0	0	0	0	3	4	4	18	1	1	1	6	10	13	0	6	2	1	1	1	13	5
CORNWALL																																									
GWENNAP HEAD	70	3	1017.0	-	7.7	1.1	8.9	84	5.0	5	5	4	2	13	1	1	0	0	0	0	0	2	6	17	4	1	11	12	6	0	7	4	1	2	1	4	7	4
		9	1017.6	-	8.4	1.3	9.1	81	5.7	0	3	8	9	10	0	0	0	0	0	0	0	7	7	10	6	0	5	21	3	1	9	3	2	2	1	2	6	4
		15	1018.0	-	9.5	2.0	8.8	73	5.4	0	5	9	8	8	0	0	0	0	0	0	1	7	5	8	9	1	10	16	3	0	6	3	1	0	1	4	9	6
		21	1018.2	-	7.8	1.3	8.7	80	4.6	2	11	3	2	12	0	0	0	0	1	1	0	5	6	11	6	0	9	15	6	0	3	7	1	0	1	2	10	6
ST MAWGAN	107	3	1016.8	-	6.7	1.0	8.5	85	5.1	3	5	6	4	12	0	0	0	0	0	0	2	8	3	9	8	0	0	19	11	0	3	1	4	3	3	4	7	5
		9	1017.4	+ 1.3	7.9	1.3	8.8	81	6.0	0	2	9	10	9	0	0	0	0	0	1	1	6	5	5	12	0	1	19	10	0	4	4	1	2	2	5	6	6
		15	1017.6	-	9.5	2.2	8.5	70	5.5	0	3	9	12	6	0	0	0	0	0	0	1	2	4	9	14	0	0	2	23	5	0	6	1	0	1	2	5	10	5
		21	1018.0	-	7.3	1.2	8.6	83	4.9	0	9	6	4	11	0	0	0	0	0	1	0	3	2	7	8	9	0	1	16	12	1	5	2	0	4	2	4	9	3
SCILLY	61	3	1017.7	-	8.2	1.1	9.3	85	5.1	2	4	8	5	11	0	0	0	0	0	0	1	3	9	13	4	0	0	4	17	7	2	4	4	2	0	1	4	7	6
		9	1018.5	+ 2.2	9.0	1.3	9.6	83	5.8	0	5	5	11	9	0	0	0	0	0	0	3	8	5	13	4	0	0	17	12	1	7	4	2	1	2	2	7	4
		15	1018.9	-	10.7	2.0	9.7	75	5.1	0	6	11	6	7	0	0	0	0	0	0	3	5	5	15	2	0	3	17	8	2	4	4	2	0	1	7	3	7
		21	1019.0	-	8.4	1.3	9.2	82	4.6	3	6	8	3	10	0	0	0	0	0	0	3	6	5	12	4	0	4	17	9	0	3	7	1	0	1	7	5	6
CHANNEL ISLANDS																																									
GUERNSEY AIRPORT	105	3	1018.2	-	6.9	1.0	8.6	85	5.2	3	4	7	8	8	0	?	0	1	0	0	0	5	6	13	5	0	1	17	10	2	4	2	1	2	4	5	7	3
		9	1018.5	-	8.1	1.3	9.0	82	5.3	0	7	7	8	8	0	0	0	0	1	0	0	5	3	9	13	0	1	18	10	1	5	1	3	0	4	4	8	4
		15	1018.6	-	9.2	1.7	9.1	77	5.1	0	6	7	14	3	0	0	0	0	0	0	1	4	10	14	0	0	1	21	8	0	4	2	2	1	0	4	11	6
		21	1019.2	-	7.1	1.0	8.7	84	4.5	2	8	4	11	5	0	0	1	0	0	1	0	3	7	9	9	0	0	15	15	0	3	4	2	1	2	4	11	3
JERSEY AIRPORT	83	9	1018.4	-	8.4	1.6	8.7	78	5.7	0	4	7	12	7	0	0	0	0	0	0	0	5	4	13	8	0	1	19	9	1	4	1	3	2	3	4	10	2
		15	1018.3	-	9.8	2.0	9.1	74	5.1	0	7	8	10	5	0	0	0	0	0	0	1	0	6	16	7	0	1	22	7	0	4	3	1	1	0	3	13	5
NORTHERN IRELAND																																									
LONDONDERRY																																									
MONEYDIG	35	9	1011.9	-	6.6	1.2	8.2	83	5.6	0	3	9	10	8	0	0	0	0	0	0	0	3	5	22	0	0	2	13	15	0	6	2	0	0	5	1	15	1
		15	1012.3	-	9.6	2.3	8.5	70	5.3	0	2	11	12	5	0	0	0	0	0	0	0	3	2	25	0	0	5	16	9	0	7	0	1	1	5	2	12	2
ANTRIM																																									
ALDERGROVE	73	3	1012.0	-	4.8	0.9	7.6	86	5.6	1	3	8	10	8	0	0	0	0	0	0	0	4	4	14	8	0	1	13	14	2	3	0	0	1	2	6	12	4
		9	1012.4	- 1.9	6.9	1.4	8.0	79	6.0	0	3	5	16	6	0	0	0	0	0	0	0	5	8	14	5	0	0	20	10	0	5	0	1	2	0	11	8	3
		15	1012.4	-	8.9	2.5	7.7	67	6.0	0	1	9	12	8	0	0	0	0	0	0	0	5	5	12	8	0	0	2	19	9	0	4	0	1	0	3	6	9	7
		21	1013.1	-	6.0	1.1	7.9	82	5.5	0	6	6	8	10	0	0	0	0	0	0	0	5	3	18	4	0	0	19	11	0	5	1	1	2	2	4	9	6
TYRONE																																									
CARRIGANS	112	9	1012.7	-	6.4	0.9	8.3	85	6.2	0	3	5	13	9	0	0	0	0	0	0	1	8	8	11	2	0	0	11	17	2	2	0	2	5	3	6	6	4
		15	1012.7	-	9.1	2.1	8.4	72	5.9	0	0	12	11	7	0	0	0	0	0	0	0	7	6	12	5	0	1	20	9	0	3	0	0	2	3	5	12	5
		21	1013.5	-	5.8	0.8	8.3	88	5.6	0	4	9	6	11	0	0	0	0	0	0	0	4	16	10	0	0	1	7	20	2	4	1	1	2	1	5	10	4

TABLE 5 NUMBER OF DAYS WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS

APRIL 1977

STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
LERWICK (PSYCHROMETER)	0	6	24	0	0	0	0	0	0	0	0	8	19	3	0	0
LERWICK (SCREEN)	0	7	23	0	0	0	0	0	0	0	0	8	18	4	0	0
STORNOWAY	0	3	22	5	0	0	0	0	0	0	0	5	20	5	0	0
CRAIBSTONE	0	4	16	9	1	0	0	0	0	0	0	9	20	1	0	0
ROTHESAY	0	0	23	7	0	0	0	0	0	0	0	2	19	9	0	0
ABBOTSINCH	0	0	12	18	0	0	0	0	0	0	0	5	16	9	0	0
ESKDALEMUIR (PSYCHROMETER)	0	2	21	7	0	0	0	0	0	0	2	5	19	4	0	0
ESKDALEMUIR (SCREEN)	0	2	19	9	0	0	0	0	0	0	2	5	18	5	0	0
DOUGLAS	0	0	20	10	0	0	0	0	0	0	0	3	18	9	0	0
BOULMER	0	1	14	14	1	0	0	0	0	0	0	4	19	5	2	0
HULL	0	0	9	17	4	0	0	0	0	0	0	4	15	10	1	0
GORLESTON	0	0	12	13	5	0	0	0	0	0	0	1	20	7	2	0

STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
CAMBRIDGE BOTANIC GARDENS	0	0	8	18	4	0	0	0	0	0	0	9	15	4	2	0
EDGBASTON	0	0	14	16	0	0	0	0	0	0	0	2	19	9	0	0
KEW (PSYCHROMETER)	0	0	8	20	2	0	0	0	0	0	0	6	14	7	3	0
KEW (NORTH-WALL SCREEN)	0	0	6	21	3	0	0	0	0	0	0	3	16	8	3	0
HASTINGS	0	0	13	17	0	0	0	0	0	0	0	3	14	13	0	0
SOUTHAMPTON	0	0	6	22	2	0	0	0	0	0	0	3	15	10	2	0
STONYHURST	0	0	22	8	0	0	0	0	0	0	0	5	20	5	0	0
VALLEY	0	0	13	17	0	0	0	0	0	0	0	2	7	21	0	0
RHOOSE	0	0	11	19	0	0	0	0	0	0	0	3	14	13	0	0
FALMOUTH	0	0	9	21	0	0	0	0	0	0	0	1	15	14	0	0
ALDERGROVE	0	1	11	18	0	0	0	0	0	0	0	5	18	7	0	0
ARMAGH	0	0	7	22	1	0	0	0	0	0	0	6	16	6	2	0

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

APRIL 1977

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED							MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT	HOURS OF NO RECORD		HOURLY WIND				GUST			
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS						YEER FROM N	SPEED-KT	DAY	HOUR BEGINNING	YEER FROM N	SPEED-KT	DAY	TIME
0 SCOTLAND N																				
SHETLAND	LERWICK	93	10	10	6	6	14	92	417	171	34	0	14.9	020	37	6	13	010	59	6	1230
ORKNEY	KIRKWALL AIRPORT	41	15	10	6	6	13	98	406	191	19	0	14.6	360	36	6	14	360	56	6	1606
WESTERN ISLES	BENBECULA	16	10	10	13 25	4	16	144	398	158	16	0	15.8	290	34	13	04	290	57	13	0454
	STORNOWAY	12	10	10		0	15	114	371	219	16	0	14.2	020	32	6	18	010	53	6	1148
HIGHLAND	DALCROSS	19	10	10		0	7	35	417	227	41	0	12.4	350	27	6	15	350	43	6	1554
	DOUNREAY	34	12	9		0	8	85	351	244	40	0	12.9	140	33	25	08	290	50	13	0536
	DUIRINISH	38	20	17		0	14	97	298	236	72	17	12.8	250	31	23	02		63	25	1512
	FORT AUGUSTUS	58	16	16		0	1	1	197	286	236	0	6.9	230	22	25	13	230	41	23	1130
	WICK	45	10	10		0	16	127	368	209	16	0	14.8	360	33	6	13	300	64	13	0948
1 SCOTLAND E																				
GRAMPIAN	ABERDEEN DYCE AIRPORT	68	10	10		0	8	48	330	242	100	0	11.4	300	31	6	12	330	50	6	1706
	FRASERBURGH	29	13	11	2 6 13 14	33	16	190	205	230	60	2	15.7	330	39	6	15	330	57	6	1442
	KINLOSS	18	13	13		0	11	62	414	210	34	0	13.2	350	29	6	18	270	46	13	0906
	LOSSIEMOUTH	17	10	10		0	11	68	398	215	39	0	13.1	330	31	6	16	280	52	13	1130
TAYSIDE	BELL ROCK	39	40	38	3 6 7 13	17	21	230	330	116	27	0	18.0	340	37	6	17	340	60	6	1642
	MYLNEFIELD	40	10			0	0	0	232	362	107	19	8.6	010	21	3	08	340	44	6	1642
	TUMMEL BRIDGE	161	16	16		0	0	0	169	383	168	0	7.4	290	21	12	08	280	45	12	0824
FIFE	LEUCHARS	25	13	13		0	14	108	385	200	27	0	14.2	260	30	13	09	320	50	6	1654
LOTHIAN	EDINBURGH ROYAL OBSERVATORY, BLACKFORD HILL	159	10	10	25	1	21	157	421	135	3	3	16.7	190	34	25	08	200	54	28	0206
	EDINBURGH TURNHOUSE AIRPORT	43	13	10		0	10	41	443	197	39	0	12.9	260	26	12	12	290	51	13	1524
	FORTH ROAD BRIDGE	72		72	13	3	16	143	313	151	63	47	14.8	270	36	13	15	270	55	13	1624
6 SCOTLAND W																				
STRATHCLYDE	ABBOTSINCH AIRPORT	16	10	10		0	6	11	379	274	56	0	11.1	210	27	1	00	310	47	13	1400
	ARDROSSAN	24	20		1 2 13	3	16	132	386	176	23	0	15.2	300	35	2	04	300	63	13	1136
	DUNSTAFFNAGE	13	10	10		0	10	44	426	206	44	0	12.7	260	28	13	02	260	55	13	0154
	GREENOCK PORT	51	49			0	9	31	430	209	50	0	12.5	330	30	14	11	310	52	13	1348
	INCHTERF	55	15	12		0	3	6	347	278	71	18	10.8	350	24	6	16	210	40	1	0118
	LOWTHER HILL	754	27		1 2 5-7 10 12-14 21-23 27 28	81	24	229	206	132	21	51	20.5	290	51	12	19	280	74	1	1636
	MACHRIHANISH	22	12	12	1	8	20	149	396	142	25	0	15.9	270	40	1	17	290	57	1	1536
	PAISLEY	57	25	9		0	0	0	303	304	95	18	9.5	010	21	3	09	260	48	23	0930
	PRESTWICK AIRPORT	21	10	10		0	10	51	433	167	69	0	13.0	290	29	1	17	310	47	13	1448
	TIREE	24	16	12	3	5	17	168	417	123	7	0	16.8	360	36	3	02	290	51	13	2148
DUMFRIES AND GALLOWAY	ESKDALEMUIR	259	10	10	1	1	14	96	308	218	97	0	12.5	250	34	1	17	250	57	1	1730
	WEST FREUGH	25	10	10		0	5	21	391	258	31	19	11.5	300	25	2	03	300	44	1	1236
2 ENGLAND E & NE																				
NORTHUMBERLAND	BLYTH	19	10	10		0	13	90	419	158	25	28	14.6	260	32	1	21	280	53	13	0600
	BOULMER	33	10	10		0	9	29	417	237	37	0	12.2	240	27	21	22	260	45	1	1918
TYNE AND WEAR	SOUTH SHIELDS	22	17	13		0	9	75	386	206	53	0	12.7	010	32	7	03	010	52	7	0448
CLEVELAND	SOUTH CARE	22	14	15	1 6 7 13 21 22	25	23	244	327	95	19	10	18.8	290	39	13	09	350	55	7	0400
DURHAM	DURHAM	119	16	10		0	8	24	349	230	93	24	10.9	270	27	1	19	270	50	1	2248
NORTH YORKSHIRE	LEEMING	42	10	10		0	11	67	390	227	36	0	12.9	240	29	1	14	300	50	13	0618
	LINTON-ON-OUSE	23	9	10	1	1	10	42	337	286	54	0	11.5	230	34	1	13	230	57	1	1400
	SILPHO MOOR	207	15	9		0	0	0	167	378	175	0	7.1	240	18	1	22	220	53	1	1430
LINCOLNSHIRE	BINBROOK	118	10	10		0	16	130	374	197	19	0	14.7	270	32	2	08	270	53	1	1554
	CONINGSBY	16	10	10		0	11	64	356	255	45	0	12.2	240	32	22	16	240	49	23	1612
	CRANWELL	68	13	13	22	4	14	129	394	172	8	13	15.0	250	41	22	13	250	57	22	1300
	SCAMPTON	68	10	10		0	9	57	360	248	24	31	12.6	260	32	22	16	250	55	1	1530
	WADDINGTON	80	10	10	22	4	11	63	357	278	18	0	12.9	240	36	22	14	240	54	22	1354
3 EAST ANGLIA																				
NORFOLK	COLTISHALL	27	10	10		0	7	33	386	217	84	0	11.8	250	28	22	13	260	51	1	1742
	GORLESTON	16	13	13		0	10	30	417	241	29	3	12.4	190	27	28	10	250	46	22	1348

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED								HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT	HOURS OF NO RECORD	MEAN HOURLY WIND SPEED (KT)	HOURLY WIND				GUST			
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS						VEER FROM N	SPEED-KT	DAY	HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY	TIME
3 EAST ANGLIA - CONTINUED																					
	MARHAM	29	10	10		0	6	27	397	212	84	0	11.5	260	26	1	16	260	45	1	1706
CAMBRIDGESHIRE	WITTERING	83	10	10		0	7	34	425	235	26	0	12.5	240	30	22	14	240	51	22	1436
	WYTON	45	10	10		0	7	26	406	259	29	0	11.9	240	31	22	14	270	48	1	1642
SUFFOLK	HONINGTON	60	13	13		0	5	26	381	249	64	0	11.3	250	26	1	17	250	44	1	1736
	WATTISHAM	105	17	10		0	11	70	428	210	12	0	13.8	240	29	1	15	230	50	23	2036
BEDFORDSHIRE	BEDFORD	94	13	9		0	6	35	318	323	37	7	11.0	270	27	1	16	270	49	1	1636
	CARDINGTON	70	41	41		0	10	101	377	205	37	0	13.8	260	32	22	10	260	51	23	1554
HERTFORDSHIRE	GARSTON	94	15	10	DEFECTIVE RECORD																
	ROTHAMSTED	141	13	10																	
ESSEX	SHOEBURYNESS	17	14	12		0	0	0	343	350	27	0	10.3	240	21	23	17	240	38	23	1936
	STANSTED	108	10	10		0	3	7	319	308	86	0	9.5	240	24	22	14	250	51	1	1724
4 MIDLAND COUNTIES																					
SOUTH YORKSHIRE	FINNINGLEY	19	10	10		0	6	39	366	261	54	0	11.7	240	32	22	13	260	49	1	1430
	SHEFFIELD UNIVERSITY	146	29	15		0	3	27	343	285	65	0	11.1	260	32	22	09	270	54	1	1612
NOTTINGHAMSHIRE	WATNALL	133	16	10		0	2	3	305	360	52	0	9.8	250	24	1	13	250	48	1	1312
STAFFORDSHIRE	KEELE	215	15	10		0	1	3	228	348	141	0	8.0	230	23	1	13	260	55	1	1406
SALOP	SHAWBURY	84	12	10		0	8	32	292	318	78	0	10.9	250	30	22	11	260	47	23	1842
WEST MIDLANDS	BIRMINGHAM EDGBASTON	196	36	22		0	2	4	272	355	89	0	9.3	270	23	1	14	280	55	1	1524
	ELMDON AIRPORT	104	10	10		0	3	11	348	283	78	0	10.5	270	28	1	15	280	48	1	1530
HEREFORD & WORCS	PERSHORE	47	10	10		0	7	20	341	284	75	0	11.0	250	30	1	14	270	55	1	1542
OXFORDSHIRE	BENSON	60	10	10		0	1	4	293	309	114	0	9.5	240	24	1	14	240	41	1	1624
	BRIZE NORTON	91	13	10		0	3	5	305	349	61	0	9.8	250	23	1	13	240	41	22	1506
	OXFORD				DEFECTIVE RECORD																
5 ENGLAND SE & CENTRAL S																					
GREATER LONDON	HEATHROW AIRPORT	34	10	10		0	1	3	290	355	72	0	9.2	250	23	1	15	280	39	1	1742
	KEW	28	23	15		0	0	0	260	336	124	0	8.5	250	20	1	17	290	46	1	1748
	LONDON WEATHER CENTRE	93	70	38		0	1	4	405	289	22	0	11.5	240	24	1	16	270	49	26	1342
	POST OFFICE TOWER		174		1	3	19	232	392	92	1	0	18.3	280	37	1	17	290	49	1	1718
WILTSHIRE	BOSCOMBE DOWN	130	17	17		0	4	6	350	278	86	0	10.5	270	29	1	16	270	42	1	1636
	LARKHILL	145	13	10		0	1	2	297	365	56	0	9.4	270	25	1	15	270	43	1	1600
	LYNEHAM	159	14	11		0	3	13	331	320	56	0	10.4	250	27	1	16	260	47	23	2048
	PORTON	120	10	10		0	3	11	308	277	124	0	9.9	270	26	1	16	270	41	1	1648
KENT	DUNGENESS	16	10	10		0	7	41	478	190	11	0	13.5	230	33	1	11	260	47	23	1830
	ISLE OF GRAIN	15	12	10		0	4	18	365	275	62	0	10.8	240	26	23	17	240	48	23	1700
	DOVER	27	21	18	1 22 23	23	16	146	370	111	26	44	16.5	230	39	1	12	230	50	1	1218
	MANSTON	62	18	18		0	9	38	436	231	15	0	13.0	210	28	26	13	240	47	1	1706
HAMPSHIRE	CALSHOT	15	13	10		0	3	12	382	275	51	0	11.4	220	25	26	11	240	37	22	1248
	FARNBOROUGH	75	10	10		0	0	0	215	368	137	0	8.2	270	21	1	16	260	39	22	1812
	MIDDLE WALLOP	94	10	10		0	5	9	357	257	96	1	10.6	260	29	1	16	270	47	1	1600
WEST SUSSEX	GATWICK AIRPORT	69	10	10		0	3	10	280	304	126	0	9.4	230	26	22	13	240	42	23	1618
	THORNEY ISLAND	16	10	10	DEFECTIVE RECORD																
7A ENGLAND NW & I O M																					
CUMBRIA	CARLISLE	41	13	9		0	5	14	393	259	54	0	10.9	250	25	1	20	250	49	1	2048
	GREAT DUN FELL	857	10	10	1-3 6 7 12-14 16 20-23 25 27-29	174	24	267	205	67	7	0	24.9	260	59	1	23	260	69	1	2300
	MOOR HOUSE	595	13	12	1 21 22	14	19	199	335	134	20	18	17.0	230	38	22	07	220	55	1	0030
	SELLAFIELD	25	12	11		0	2	11	352	300	57	0	10.4	210	26	1	22	220	42	1	1200
LANCASHIRE	FLEETWOOD	34	15	9	2	2	11	95	390	205	28	0	14.3	290	35	2	03	310	54	1	1718
	SQUIRES GATE AIRPORT	22	12	11		0	10	71	439	189	21	0	14.0	250	33	1	13	230	57	1	1242
MERSEYSIDE	AIGBURTH	38	23	11		0	10	72	358	234	56	0	12.7	210	32	25	13	250	51	1	1312
	SPEKE AIRPORT	30	10	10		0	4	27	368	281	44	0	11.7	280	32	1	13	280	52	1	1318
GREATER MANCHESTER	MANCHESTER RINGWAY AIRPORT	80	10	10		0	4	19	370	285	46	0	11.3	250	29	1	13	260	54	1	1342
	WEATHER CENTRE	82	45	17		0	5	19	287	343	66	5	10.2	260	26	1	13	260	52	1	1342
ISLE OF MAN	POINT OF AYRE	20	10	10	2	1	17	142	460	110	7	0	16.4	290	35	2	01	250	54	1	1054
	RONALDSWAY	25	10	10		0	14	86	465	157	12	0	14.7	190	33	28	01	280	50	1	2030
7B WALES N																					
GWYNEDD	VALLEY	26	16	12	28	2	15	131	404	158	25	0	15.5	200	38	28	03	200	51	28	0336
8A WALES SOUTH																					
DYFED	ABERPORTH	144	10	10		0	16	115	418	172	15	0	15.1	240	28	22	15	280	40	1	1312
	BRAWDY	121	10	10		0	7	24	424	239	33	0	12.0	240	25	22	11	210	41	28	0348
	MILFORD HAVEN	47	10	10		0	5	23	412	261	24	0	11.9	210	25	28	03	270	45	23	1342
WEST GLAMORGAN	PORT TALBOT	28	12	11		0	6	25	359	218	118	0	10.6	320	28	23	19	320	58	23	1918
MID GLAMORGAN	CILFYNYDD	210	16	16		0	4	50	261	279	126	4	10.2	250	28	22	15	240	48	1	0530
SOUTH GLAMORGAN	RHOOSE AIRPORT	74	10	10		0	3	11	389	279	41	0	11.4	270	26	1	15	270	43	23	1348
8B ENGLAND SW																					
AVON	AVONMOUTH	28	19	10		0	6	32	404	224	60	0	12.2	260	28	1	14	290	51	23	2012
SOMERSET	YEOVILTON	22	12	10		0	5	18	279	289	116	18	9.4	270	26	1	15	260	42	1	1412
DORSET	HURN AIRPORT	23	13	11		0	4	8	360	259	93	0	10.5	240	28	23	13	240	42	23	1418
	PORTLAND BILL CG	60	13	13		0	14	86	434	163	10	27	14.8	260	30	22	03	270	42	23	1554
DEVON	MOUNT BATTEN	64	13	13		0	6	36	310	292	82	0	10.8	240	27	23	13	290	41	23	1642
CORNWALL	CULDROSE					0	8	59	402	238	21	0	12.7	270	28	1	15	240	45	23	1554
	LIZARD	96	23	18	1	1	13	115	409	182	6	7	15.0	280	34	1	14	240	47	23	1424
	ST MAWGAN	120	13	13		0	4	10	483	190	37	0	12.2	280	24	1	14	240	35	23	1206
	SCILLY(ST MARYS)	70	20	17		0	10	81	418	171	50	0	13.8	290	29	1	13	290	53	1	1254
CHANNEL ISLANDS																					
	GUERNSEY AIRPORT	111	11	10		0	4	22	415	240	43	0	11.6	230	27	23	17	240	41	23	1806
	JERSEY AIRPORT	94	12	10		0	4	14	444	221	41	0	11.9	250	26	23	18	250	41	23	1842
NORTHERN IRELAND																					
LONDONDERRY	COLERAINE UNIVERSITY	33	10	10	DEFECTIVE RECORD																
ANTRIM	ALDERGROVE	80	10	10		0	3	20	422	236	42	0	11.8	280	30	1	17	310	47	1	1118
	BALLYPATRICK FOREST	166	13	13		0	6	27	458	190	45	0	12.7	280	31	1	17	280	53	1	1600
	BELFAST HARBOUR	21	18	18	1	2	11	83	424	163	39	9	13.9	300	34	1	11	290	58	1	1454
DOWN	KILKEEL	36	19	14		0	2	2	307	351	36	24	10.0	210	24	1	10	200	39	1	0948
	ORLOCK HEAD	51	16	12	1 2 6	23	20	143	442	103	8	1	17.0	280	40	1	14	280	65	1	1436
TYRONE	CARRIGANS	129	10	10		0	1	10	257	315	138	0	8.6	280	25	1	14	270	57	1	1730
FERMANAGH	CASTLE ARCHDALE FOREST	79	13	13		0	0	0	274	345	85	16	8.9	300	21	1	09	300	41	1	1206

TABLE 6 ADDITIONS AND CORRECTIONS

YEAR MONTH AND STATION		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED							MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT			HOURLY WIND				GUST			
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS				HOURS OF NO RECORD		VEER FROM N	SPEED-KT	DAY	HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY	TIME
1974 MARCH	DOUNREAY						12														
1975 OCTOBER	EAST KILBRIDE					0	0	0	93	454	197	0	6.1	300	19	4	13	260	41	4	1148
1975 NOVEMBER	EAST KILBRIDE					0	0	0	94	444	182	0	6.3	310	18	19	10	330	44	28	1418
1975 DECEMBER	EAST KILBRIDE					0	1	2	197	448	97	0	8.0	270	24	30	11	300	48	30	1330
	POINT OF AYRE					0	12	55	521	129	27	12	14.1	240	29	30	12	190	49	1	0824
1976 JANUARY	DYCE AIRPORT	68																			
	EDINBURGH ROYAL OBSERVATORY BLACKFORD HILL				2 7 10 19 20	15	17	182	362	129	25	31	16.7	220	46	2	15	-	72	2	2054
	EAST KILBRIDE					0	6	20	336	372	86	0	10.6	310	29	20	02	320	57	20	0242
	LOWTHER HILL	754																			
	CALSHOT	15	13	10	29 30	17	15	86	406	194	41	0	14.3	120	37	29	19	310	57	2	2300
1976 FEBRUARY	BELL ROCK				DEFECTIVE RECORD																
	INCHTERF					0	4	16	237	269	163	11	9.0	250	29	25	15	250	47	25	1454
	EAST KILBRIDE					0	1	1	148	420	127	0	7.6	280	22	9	17	200	42	23	0124
	CALSHOT	15	13	10		0	3	14	333	291	58	0	10.5	350	30	13	09	360	47	13	0942
1976 MARCH	BELL ROCK				5 6 20 21 27 28	33	25	319	248	112	19	13	20.0	230	40	28	13	230	56	28	1230
	EAST KILBRIDE					0	0	0	203	406	127	8	8.1	270	21	27	13	270	44	27	1336
	BELFAST HARBOUR					0	12	56	410	192	86	0	12.4	240	27	27	02	250	44	27	0318
	EDINBURGH ROYAL OBSERVATORY BLACKFORD HILL				3 5	3	8	78	353	244	42	0	12.7	260	35	5	17	270	57	5	1654
1976 APRIL	EAST KILBRIDE					0	1	1	133	435	150	1	6.6	270	22	5	20	270	41	4	1336
	COTTESMORE				RECORD DISCONTINUED																
1976 MAY	BELL ROCK				DEFECTIVE RECORD																
	EDINBURGH ROYAL OBSERVATORY BLACKFORD HILL				1 16	10	11	80	339	262	53	0	12.5	190	41	16	20	190	69	16	2000
	EAST KILBRIDE				DEFECTIVE RECORD																
	LITTLE RISSINGTON				RECORD DISCONTINUED																
	EDINBURGH ROYAL OBSERVATORY BLACKFORD HILL					0	11	46	371	258	45	0	12.0	200	27	11	21	190	48	11	1648
1976 JUNE	EAST KILBRIDE					0	0	0	136	422	162	0	6.7	240	17	10	10	230	31	10	0936
	EDINBURGH ROYAL OBSERVATORY BLACKFORD HILL					0	3	10	323	350	61	0	9.5	260	25	29	12	200	40	18	2306
1976 JULY	EAST KILBRIDE					0	0	0	65	449	230	0	5.5	270	15	29	12	180	31	18	1800
	MIDDLE WALLOP													190				100			
	EDINBURGH ROYAL OBSERVATORY BLACKFORD HILL					0	3	12	211	418	103	0	8.3	270	24	1	16	270	40	1	1642
1976 AUGUST	EAST KILBRIDE					0	0	0	39	305	395	5	4.3	270	14	2	15	270	29	2	1500
	MIDDLE WALLOP													090				090			
1976 SEPTEMBER	EAST KILBRIDE					0	0	0	128	454	105	33	6.8	040	18	11	10	040	35	11	1348
	MIDDLE WALLOP													290				170			
1976 OCTOBER	EAST KILBRIDE												6.6								
	HAMPTON				RECORD DISCONTINUED																
1976 NOVEMBER	EAST KILBRIDE							4			224										
1976 DECEMBER	EAST KILBRIDE						1	1		294			4.3	150	24	6	03 HOUR ENDING				
1971 JANUARY	SHEFFIELD																				
1971 MARCH	SHEFFIELD																	220			
	LOSSIEMOUTH																	250			
1971 MAY	SHEFFIELD																	070			
1971 JULY	SHEFFIELD																	110			
1971 SEPTEMBER	SHEFFIELD																	310			
1972 JANUARY	FRASERBURGH																	250			
1972 JULY	BEDFORD						19														
1972 OCTOBER	BELL ROCK									400	98										
	ORLOCK HEAD													220							
1972 NOVEMBER	ORLOCK HEAD				9	0	14	90	390	228	36	0	13.4	160	33	29	17	160	52	29	1600
1972 DECEMBER	CALSHOT				1 2 4	1	16	144	445	106	18	6	15.9	210	35	9	11	210	58	9	1036
	ORLOCK HEAD				5 11 28	5	11	120	215	323	81	0	12.1	210	36	1	15	180	60	2	0800
						10	19	164	418	145	7	0	16.9	250	44	5	11	250	71	5	1036

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THE METEOROLOGICAL OFFICE

MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

MET.0.908 UDC 551 506 1(41-4)

MAY 1977

VOLUME 94 NUMBER 5

METEOROLOGICAL OFFICE
7 DEC 1977
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Cool and changeable until mid-month, then mainly warm and sunny.

A large area of low pressure covered most of western Europe during the first eight days and associated depressions moved across the British Isles from time to time, often approaching from the east or south. A ridge of high pressure crossed southern England on the 9th, and this was quickly followed by a series of fronts and depressions which moved across all areas, mainly from south-west to north-east. A weak high cell developed over the British Isles on the 14th, and on the 15th a small depression moved from south-west Ireland to Brittany. A strong ridge to the north-west then moved south-eastwards and a belt of high pressure became established from Scandinavia, across the British Isles, to the Azores. Pressure remained high for much of the remainder of the month, although troughs of low pressure, associated with depressions over the Continent, occasionally affected southern England. A weak cold front reached northern Scotland on the 28th and moved southwards across all districts on the 29th. An anticyclone centred to the north of Britain then drifted to Scotland.

Weather

The first two weeks were rather cold, with frequent outbreaks of rain, thunderstorms, and scattered wintry showers. Winds occasionally reached gale force in southern England. Night frosts occurred at times and were also reported during the third week, although the days were becoming progressively warmer. Local gales occurred over the southern half of England and Wales. The second part of May was generally sunny and dry, although there were some thunderstorms. It became very warm in the last week, particularly in Scotland, but cooler weather spread to most districts towards the end of the month.

Wind

Winds were fresh or strong in exposed places during the first half of the month and occasionally reached gale force. Strong to gale force winds affected southern areas at times between the 17th and the 22nd, but during the last two weeks winds were often light over Scotland, Northern Ireland and the north of England. Directions were variable for much of the month, but were mostly east to north-east over England and Wales during the latter part of May. Sea-breezes developed around many coasts on the afternoon of the 28th.

Temperature

In spite of a warm spell in the second half of May, mean temperatures for the month were below normal almost everywhere, mostly by not more than 1 °C, but by 1.0 °C to 1.5 °C in parts of East Anglia and the Midlands. Mean temperatures were nearest to the average over parts of northern and north-eastern Scotland and along some western and southern coasts of England and Wales. The first half of the month was often rather cold, with frost at times, and there were some cold nights in the third week. Daytime temperatures began to rise, however, and Tummel Bridge (Tayside Region) had a diurnal range of 25 °C on the 22nd. Most areas, except along eastern coasts of England, enjoyed a warm spell until the 29th, when cooler weather spread to all districts. The highest temperatures for the month occurred in the north of Scotland, and on the 27th Craigdarroch and Fort Augustus, both in the Highland Region, recorded maxima of 27.9 °C and 27.0 °C respectively: such high temperatures are extremely unusual anywhere in Scotland in May.

Rainfall (including melted snow)

Rainfall was above average over much of northern Scotland (except in Shetland), in parts of north-eastern England, in scattered places in East Anglia and along southern coasts of England, and in the Channel Islands. Monthly totals were below average elsewhere. Less than half the usual amount of rain for the month fell in a band across Scotland from Fife to the Inner Hebrides, in parts of north-west England and North Wales, and also in Northern Ireland, where only in 1975 has May been drier this century. Rainfall in the Isle of Man was also well below average. Outbreaks of rain occurred in most districts during the first half of the month, however, and there were thunderstorms and scattered hail showers. The last two weeks were mostly very dry, although southern districts had occasional rain, which was thundery at times.

Snow

Scattered falls of snow or sleet were occasionally reported during the first half of the month in northern areas, over high ground in Wales and on Dartmoor. In Scotland falls mostly occurred between the 12th and the 14th. Depths were minimal and the snow did not lie. Only the upper slopes of the higher Scottish mountains remained snow covered throughout May, and the snow receded during the latter part of the month.

Sunshine

Monthly sunshine totals were generally between 125 and 140 per cent of average over Wales and the west Midlands, in areas bordering the Irish Sea, and in south-west Scotland and Shetland. Totals exceeded 300 hours in the Isle of Man and in Anglesey, where Valley recorded 306.1 hours, making this the sunniest May in the area since records began in 1913. Values were mostly between 100 and 125 per cent of average elsewhere and were nearest to the normal in the Isles of Scilly, the Channel Islands and parts of south-east England. There were some sunny spells, mostly on western coasts, during the first two weeks, but the second half of the month was very sunny. Days of unbroken sunshine occurred frequently in many districts between the 18th and the 28th.

Fog

Overnight fog patches occasionally developed in inland areas, but soon cleared. Coastal fog occurred slightly more frequently, mainly affecting English Channel coasts between the 9th and the 11th and the coasts of northern Scotland and north-eastern England in the last week. Hill fog was also reported from time to time and as with fog on coasts was sometimes accompanied by precipitation.

Miscellaneous Phenomena

On the 11th there were several reports of ball lightning in the area between Rothesay, on the Isle of Bute, and Glasgow. Some structural damage occurred in the suburbs of the city. The aurora was not seen by observers in Scotland in May.

Table 1 District values

District	air temperature °C					mean 30-cm earth temp °C	rain-days	rainfall	sun-shine
	Highest Max *	Lowest Min.*	max.	min.	mean				
			difference from average					% of average	
0 Scotland N	26.5	-2.2	+0.2	0.6	-0.2	-0.3	-5	95	118
1 Scotland E	24.6	-4.7	-0.5	-0.8	-0.6	0.0	-3	80	115
2 England E & NE	23.5	-1.3	-1.5	-0.4	-0.9	-0.1	-4	98	117
3 East Anglia	23.6	-1.5	-1.6	-0.5	-1.1	-0.7	-1	88	112
4 Midland Counties	24.9	-1.5	-1.0	-1.1	-1.1	-0.5	-3	75	121
5 England SE & Central S	24.3	-1.2	-1.0	-0.5	-0.8	-0.9	0	92	105
6 Scotland W	26.5	-4.7	+0.2	-1.2	-0.5	-0.2	-5	68	118
7 England NW & Wales N	24.6	-1.7	-0.1	-0.8	-0.5	-0.9	-4	56	133
8 England SW & Wales S	23.5	-0.6	-0.1	-0.8	-0.5	-0.1	-1	74	118
N Ireland	22.2	-1.9	-0.1	-1.6	-0.8	0.0	-8	42	124
Scotland	26.5	-4.7	0.0	-0.9	-0.4	-0.2	-4	81	117
England & Wales	24.9	-1.7	-0.9	-0.7	-0.8	-0.5	-2	81	118

*Highest maximum and lowest minimum of District Value Stations.

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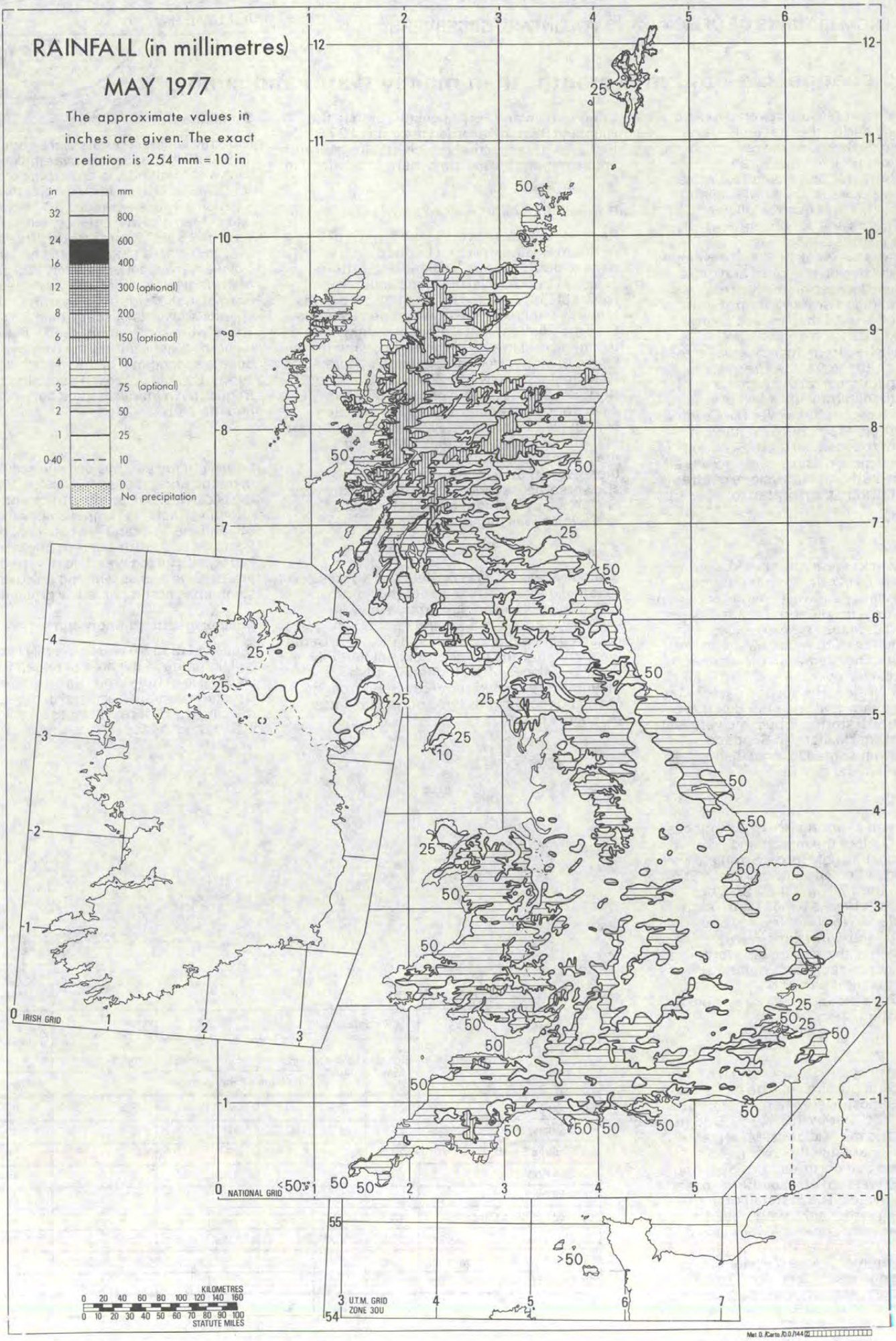
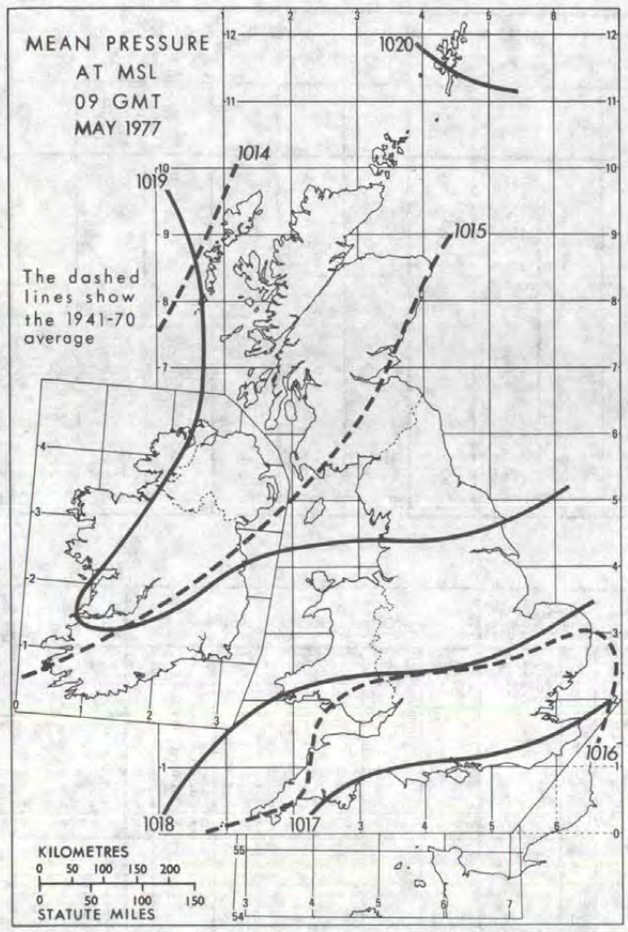
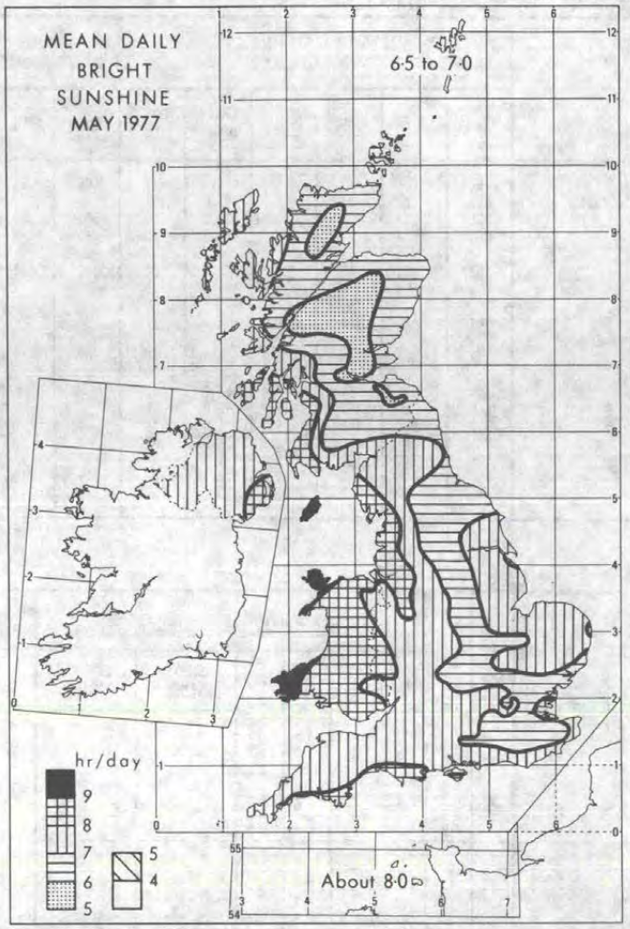
RAINFALL (in millimetres)

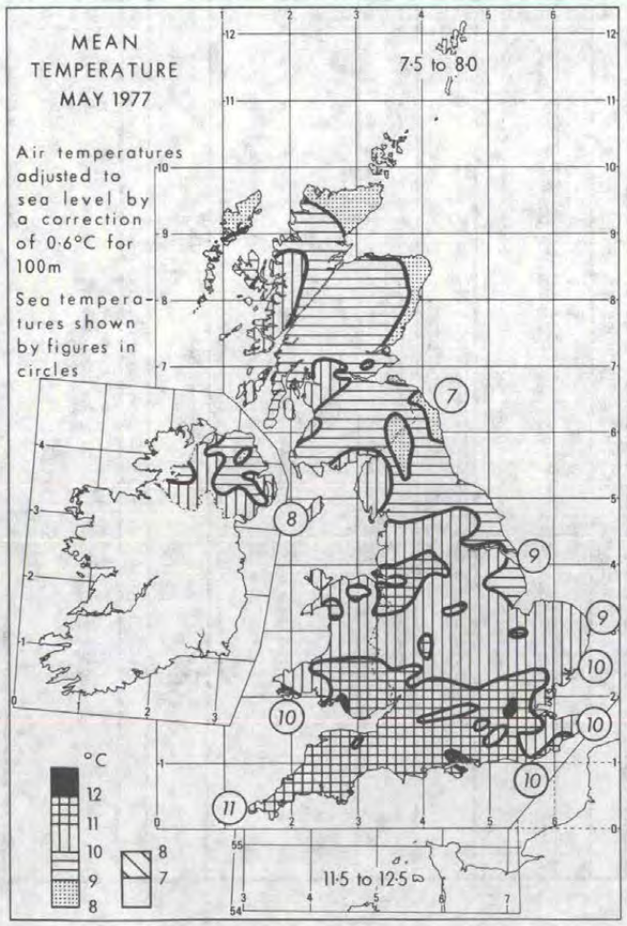
MAY 1977

The approximate values in inches are given. The exact relation is 254 mm = 10 in




MEAN PRESSURE AT MSL 09 GMT MAY 1977
1020
1014
1019
1015
The dashed lines show the 1941-70 average
1016
1018
1017
KILOMETRES
0 50 100 150 200
0 50 100 150
STATUTE MILES


MEAN DAILY BRIGHT SUNSHINE MAY 1977
6·5 to 7·0
hr/day
9
8
7
6
5
5
4
About 8·0


MEAN TEMPERATURE MAY 1977
7·5 to 8·0
Air temperatures adjusted to sea level by a correction of 0·6°C for 100m
Sea temperatures shown by figures in circles
7
8
9
9
10
10
10
10
11
°C
12
11
10
9
8
8
7
11·5 to 12·5

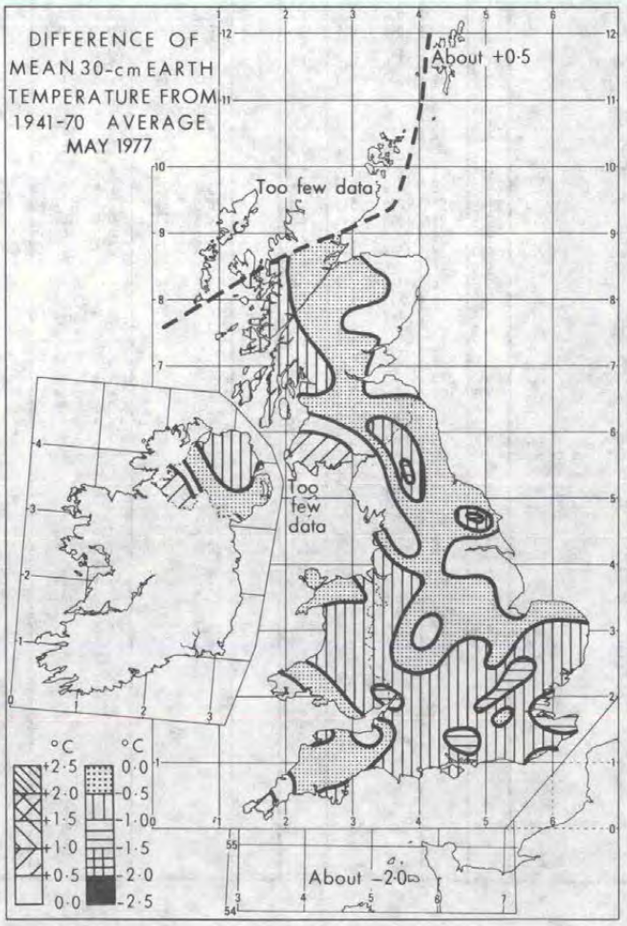

DIFFERENCE OF MEAN 30-cm EARTH TEMPERATURE FROM 1941-70 AVERAGE MAY 1977
About +0·5
Too few data
Too few data
°C
+2·5
+2·0
+1·5
+1·0
+0·5
0·0
°C
0·0
0·5
1·0
1·5
2·0
2·5
About −2·0

TABLE 2 SOLAR RADIATION AND ILLUMINATION

MAY 1977

STATION	GLOBAL RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						DIFFUSE RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						GLOBAL ILLUMINATION ON A HORIZONTAL SURFACE (KILOLUX-HOURS)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	782	25.27	47	4	455.4	31	405	23	47	4	237.0	31	927	25	67	4	538.4	31
ABERDEEN UNIVERSITY	812	27	83	5	461.8	31												
ESKDALEMUIR	861	27	144	7	479.2	29	362	19	106	3	216.3	29	1094	28	177	7	568.8	29
ABERPORTH	820	31	77	3	617.9	30	350	8	75	3	235.9	30						
CARDINGTON																		
SILSOE	802	27	146	5	495.3	31	395	31	133	27	272.9	31						
ROTHAMSTED	799	26	132	5	501.3	31												
GARSTON																		
WALLINGFORD	740	27	198	9	471.4	31												
LONDON WEATHER CENTRE																		
KEW	778	27	129	5	466.6	31	397	17	127	5	249.2	31	876	27	158	5	531.5	31
EASTHAMPSTEAD																		
EAST MALLING	804	27	54	5	469.0	31												
RUSTINGTON	838	22	199	11	576.8	31												
EVERTON	791	27	145	9	533.6	31												
WAREHAM	776	27	176	9	539.6	31												
JERSEY AIRPORT	805	28	132	10	557.8	31	367	26	129	10	244.5	31	1009	28	188	10	712.6	31
ALDERGROVE	810	27	149	7	522.7	27	389	18	129	21.27	249.6	27	1065	27	204	7	684.1	27

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MAY 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	PRECIPITATION: 0.2 MM OR MORE	PRECIPITATION: 1.0 MM OR MORE	WEATHER (NUMBER OF DAYS): SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	BRIGHT SUNSHINE: PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
0 SCOTLAND N																														
SHETLAND																														
BALTASOUND	9 9	24	10.9	3.7	7.3	-0.6	17.3	27	-0.6	14	7.6	-	26	41	4	13	13	9	3	0	0	0	0	0	2	-	-	1	7.01	139	-
FAIR ISLE	9 9	57	9.2	5.3	7.3	-	13.9	21	-0.2	14	8.0	7.0	37	-	9	11	12	7	2	0	0	2	0	3	1	8	-	2	7.59	-	-
LERWICK	21-9	82																												
PSYCHROMETER			9.8	4.6	7.2	-	16.2	23	-0.1	14	-	-	46	-	12	11	13	8	2	0	2	1	0	0	1	9	4	0	6.35	125	-
SCREEN			10.0	4.5	7.3	-0.3	16.5	23	-0.4	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORKNEY																														
KIRKWALL AIRPORT	21-9	26	11.0	4.8	7.9	-0.6	19.8	27	-0.2	14	-	-	71	121	15	11	15	11	1	0	2	0	0	0	1	6	3	0	6.36	121	-
WEYLAND	9 9	24	10.8	5.0	7.9	-	18.5	27	1.5	14	9.4	-	66	-	19	11	11	8	0	0	0	1	0	0	0	4	-	0	-	-	-
WESTERN ISLES																														
BENBECULA	21-9	6	12.8	6.1	9.5	-0.2	20.6	26	0.5	14	-	-	55	-	27	6	13	6	0	0	1	0	0	0	0	7	3	0	7.92	117	-
STORNOWAY	21-9	3	11.7	5.7	8.7	-0.4	20.7	27	-0.9	14	-	-	65	-	32	6	12	8	1	0	0	3	0	2	1	7	3	0	7.25	121	-
HIGHLAND																														
ACHANY	9 9	107	14.0	3.1	8.5	-	25.4	27	-2.2	14	8.4	-	83	-	17	6	13	11	2	0	1	1	0	0	5	12	-	0	5.47	-	-
ACHNASHELLACH	9 9	67	15.4	4.5	9.9	+0.2	26.1	27	-1.7	14	-	-	101	90	54	6	13	11	3	0	1	0	0	0	1	-	-	0	-	-	-
BALMACARA	9 9	4	14.9	5.9	10.4	-	23.4	25	-0.4	14	-	-	72	87	42	6	8	8	0	0	0	0	1	0	1	-	-	0	-	-	-
CAPE WRATH	21-9	112	10.2	5.9	8.1	-0.2	18.9	26	1.3	13.14	-	-	74	122	38	6	8	7	0	0	0	0	0	2	0	2	0	0	6.50	-	-
CASSLEY	9 9	99	13.5	4.6	9.1	-	24.5	27	-0.5	15.16	-	-	67	-	29	6	14	10	-	-	-	-	-	-	2	11	-	-	-	-	-
CORPACH	9 9	8	16.2	5.2	10.7	-	26.0	28	0.0	14.15	-	-	73	-	37	6	11	8	0	0	0	1	0	0	0	8	-	0	-	-	-
CRAIGDARROCH	9 9	38	15.3	3.9	9.6	-	27.9	27	-2.1	14	-	-	61	-	17	6	12	10	0	0	2	0	0	0	5	12	-	0	-	-	-
DALCROSS	9 9	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DALWHINNIE	9 9	351	13.0	2.7	7.9	-	23.3	28	-2.9	16	-	-	45	-	13	6	13	10	3	0	0	0	0	1	7	10	-	0	5.62	-	S
DIABAIG	9 9	46	14.1	6.4	10.3	-	23.2	25	1.0	13	-	-	79	-	46	6	10	9	0	-	0	0	0	-	0	-	-	0	-	-	S
DOUNREAY	9 9	21	11.7	4.7	8.2	-	18.3	27	0.0	14.16.17	-	-	86	168	29	6	14	12	2	0	0	0	0	6	0	4	-	0	6.85	-	-
FORT AUGUSTUS	9 9	21	14.9	4.7	9.8	-0.1	27.0	27	-1.5	15	-	-	54	-	19	6	11	10	0	0	0	0	0	0	5	-	-	0	6.34	129	-
FORTROSE	9 9	5	12.2	6.5	9.3	-0.2	20.5	27	2.0	14	-	-	67	128	20	6	12	11	-	0	-	-	-	0	0	-	-	-	6.20	119	-
GLENMORE LODGE	9 9	341	12.8	2.2	7.5	-	23.4	27	-4.4	17	-	-	116	135	20	2	14	11	3	0	0	0	0	0	9	18	11	0	5.20	-	S
GRANTOWN-ON-SPEY	9 9	229	13.5	2.7	8.1	-	24.7	27	-4.4	15	-	-	60	-	14	5	13	10	2	0	0	1	0	0	7	16	-	0	5.96	-	-
HEASTE	9 9	109	13.5	5.4	9.5	-	22.6	26	-0.8	14	-	-	71	-	34	6	12	8	0	0	0	0	0	1	1	5	-	0	-	-	-
INVERNESS	9 9	4	14.0	5.3	9.7	-	25.0	27	0.5	14.16.17	-	-	60	117	14	6	12	9	0	0	0	0	0	0	0	5	-	0	6.40	-	-
INVERPOLLY	9 9	14	13.7	5.4	9.5	-	21.8	26	0.2	13.16	9.6	-	79	-	49	6	12	8	0	0	0	0	0	0	0	-	-	0	-	-	-
ISLE OF RHUM	9 9	5	14.5	5.0	9.7	-	22.9	26	-1.4	15	10.9	9.1	95	74	61	6	10	8	0	0	0	0	0	0	7	14	-	1	-	-	-
KEISS	9 9	30	11.4	4.9	8.1	-	19.0	27	-1.3	14	9.1	7.7	63	-	17	5	11	10	1	0	0	2	1	0	1	6	-	1	6.45	-	-
KNOCKANROCK	9 9	244	12.5	4.8	8.7	-	22.4	26	-0.2	14	-	-	120	104	64	6	15	11	2	0	0	2	0	2	2	-	-	0	-	-	-
LAGGANLIA	9 9	250	14.1	1.8	7.9	-	24.4	27	-5.5	17	-	-	58	-	16	5	12	9	1	0	0	0	0	0	11	18	-	0	-	-	-
LAIRG	9 9	107	14.1	2.9	8.5	-	25.7	27	-3.0	14	8.7	7.1	72	-	19	6	14	10	0	0	2	0	0	0	7	13	-	0	-	-	-
LENTRAN	9 9	146	13.3	-	-	-	24.2	27	-	-	-	-	59	-	14	11	14	11	1	0	0	1	0	0	-	-	-	0	-	-	-
NAIRN	9 9	6	13.7	5.2	9.5	0.0	21.6	27	-1.0	15	-	-	59	123	16	6	13	9	0	0	0	1	0	0	2	8	-	0	7.01	131	-
ONICH	9 9	15	16.4	4.5	10.5	+0.2	26.5	26	-1.0	15	-	-	72	67	40	6	8	8	-	0	-	-	-	0	1	8	-	-	5.55	103	S
POOLEWE	9 9	6	14.1	5.8	9.9	-	21.8	25	0.6	2	-	-	99	-	53	6	13	11	2	0	0	2	0	1	0	2	-	1	7.10	-	S
PRABOST	9 9	67	13.7	5.2	9.5	-	21.1	25	-1.1	14	-	-	71	74	36	6	10	8	0	0	0	2	0	0	1	8	-	2	7.67	-	-
RUBH RE	21-9	16	11.8	6.7	9.3	-	20.0	25	2.7	13.14	-	-	76	-	41	6	11	11	0	0	0	0	0	1	0	0	0	0	-	-	-
STRATHCONON	9 9	107	14.7	3.4	9.1	-	26.9	27	-2.6	14	-	-	81	-	32	6	17	12	0	0	0	0	0	-	7	16	-	0	-	-	-
TARBATNESS	21-9	18	11.9	5.9	8.9	-0.4	18.5	22	0.5	14	-	-	58	-	23	6	10	9	0	0	0	0	2	0	0	-	-	0	-	-	-
TOMATIN	9 9	311	13.0	2.6	7.8	-	24.1	27	-3.4	17	-	-	86	-	32	6	14	12	2	-	0	4	0	-	7	-	-	0	-	-	-
TORRISDALE	9 9	27	12.2	4.6	8.4	-	22.1	26	-1.6	16	-	-	71	-	37	6	11	10	0	0	0	1	1	3	3	6	-	0	6.35	-	-
WICK	21-9	36	10.8	4.8	7.8	-0.5	19.6	27	-2.2	14	-	-	70	150	19	6	14	9	1	0	0	2	0	0	3	9	6	0	6.33	121	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MAY 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY		PRECIP-ITATION		SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE	0.2 MM OR MORE	1.0 MM OR MORE												
1 SCOTLAND E																														
GRAMPIAN																														
ABERDEEN																														
DYCE AIRPORT	21-9	58	12.8	4.5	8.7	-0.2	20.4	22.28	-1.5	15	-	-	87	129	21	5	14	10	1	0	2	0	0	0	3	12	3	0	6.55	119	-
MANNOFIELD	9 9	16	11.7	5.0	8.3	-0.7	19.5	28	-0.5	15	-	-	82	122	16	5	12	9	1	0	0	1	0	0	2	6	-	0	6.48	116	-
BALMORAL	9 9	283	12.7	2.5	7.6	-0.5	22.8	28	-2.5	14	-	-	67	100	18	3	14	11	0	0	0	0	0	0	8	15	-	0	-	-	-
BANCHORY	8 8	77	13.5	4.2	8.9	-	22.8	28	-1.4	15	-	-	67	-	20	3	13	10	1	0	0	2	1	0	4	6	4	0	6.64	-	-
BANFF	9 9	24	11.8	5.9	8.9	-	22.8	27	1.5	14	-	-	73	137	24	5	13	10	0	0	1	0	0	1	0	-	-	-	6.18	-	-
BRAEMAR	9 9	339	13.0	2.6	7.8	-0.4	24.6	28	-2.3	15	-	-	61	88	17	3	13	11	-	0	-	-	-	0	10	17	-	-	5.42	106	-
CRAIBSTONE	9 9	91	12.0	4.2	8.1	-0.6	19.7	28	-3.0	17	9.0	7.5	90	129	22	5	14	10	1	0	1	0	0	0	2	10	-	0	6.63	118	-
CULTERTY	9 9	3	12.2	4.5	8.3	-	20.0	28	-1.3	17	-	-	65	118	18	5	13	11	1	0	0	0	0	0	4	11	-	0	5.71	-	-
ELGIN	9 9	15	13.3	5.1	9.2	-	22.0	26.27	-1.0	15	-	-	62	118	21	6	10	10	-	0	-	-	-	0	4	6	-	0	6.37	-	-
FOREHILL	9 9	40	10.9	4.9	7.9	-	19.0	22	-0.3	14,15	-	-	62	-	11	3	11	11	-	-	-	-	-	0	4	6	-	0	-	-	-
FORRES	9 9	5	14.0	5.9	9.9	+0.2	23.9	27	0.0	14	11.5	9.3	63	-	17	5.6	12	8	0	0	0	1	0	0	2	6	-	0	-	-	-
FRASERBURGH	21-9	19	-	5.9	-	-	-	-	2.0	14	-	-	58	121	12	3	11	10	0	0	0	0	0	0	0	3	2	0	6.60	121	-
FYVIE CASTLE	9 9	55	13.0	4.1	8.5	-	21.5	27	-2.0	15.17	-	-	84	129	19	3	15	12	1	-	0	0	1	-	3	7	-	0	6.51	-	-
GARTLY	9 9	146	13.0	4.0	8.5	-	21.7	28	-1.7	14	-	-	83	-	21	3	15	11	-	-	-	-	-	-	4	7	-	-	-	-	-
GLENLIVET	21-9	215	13.4	3.0	8.2	-	25.1	27	-2.9	15	-	-	86	122	20	6	13	12	5	0	3	0	0	0	5	12	8	0	5.59	-	S
INVERURIE	9 9	54	13.5	4.0	8.7	-	23.0	28	-2.0	17	-	-	75	-	20	3	13	8	1	0	0	1	0	0	4	11	-	0	6.34	-	-
KEITH	9 9	106	13.1	4.2	8.7	-	24.5	27	-1.5	14	-	-	83	-	20	3	14	9	1	-	0	0	0	0	5	8	-	0	6.39	-	-
KINLOSS	21-9	5	13.4	5.5	9.5	-0.2	23.9	27	-1.6	15	9.1	-	56	115	17	6	13	7	0	0	0	1	0	0	2	9	3	0	6.65	-	-
LOSSIEMOUTH	21-9	6	12.9	4.9	8.9	-	22.4	27	-0.9	14	-	-	63	126	22	6	11	9	1	0	0	0	1	0	3	7	5	0	-	-	-
TAYSIDE																														
ARBROATH	9 9	28	11.7	5.6	8.7	-	17.1	22	1.5	14	-	-	35	62	9	13	11	7	0	0	0	0	0	0	0	6	-	0	7.01	114	-
ARDTALNAIG	9 9	130	15.2	4.9	10.1	-	26.5	28	0.3	15	-	-	57	69	14	6	13	8	0	0	0	0	4	0	0	5	-	0	6.01	-	-
DRUMMOND CASTLE ...	9 9	113	13.7	4.3	9.0	-	23.5	28	-0.4	18	10.2	-	32	-	11	12	11	6	0	0	0	0	2	-	1	16	-	0	5.97	-	-
DUNDEE	9 9	45	13.3	5.6	9.5	-0.6	21.6	22	1.4	14	11.5	-	33	50	11	3	8	6	0	0	0	2	0	0	2	11	-	0	6.23	115	-
FASKALLY	9 9	94	14.3	(4.3)	(9.3)	-	24.8	28	(-0.1)	18	10.4	8.7	44	66	11	6	15	8	1	0	0	1	1	0	1	16	-	0	-	-	-
KINDROGAN	9 9	259	13.3	2.5	7.9	-	25.0	22.28	-3.0	18	-	-	61	-	20	6	15	12	3	0	0	4	1	0	8	18	-	0	-	-	-
KINROSS	9 9	116	13.3	2.9	8.1	-	23.0	28	-2.1	14,18	9.8	-	35	-	10	3	11	7	-	0	-	-	-	-	6	8	-	-	6.01	-	-
MONTROSE	9 9	57	12.4	4.9	8.7	-	18.6	22	0.8	15	-	-	49	77	14	3	9	7	0	0	1	1	0	0	0	2	-	0	-	-	-
MYLNEFIELD	9 9	30	12.7	5.3	9.0	-	21.0	22	1.1	14	10.0	8.0	27	44	9	3	8	6	0	0	0	1	0	1	0	13	-	0	6.50	-	-
PERTH	9 9	23	14.6	5.4	10.0	-0.4	23.6	28	0.5	18	-	-	25	40	8	3	7	7	-	0	-	-	-	0	0	10	-	-	5.58	99	-
STRATHALLAN	9 9	41	14.3	5.1	9.7	-	23.7	28	0.3	14,18	-	-	28	-	10	12	10	5	1	0	0	1	3	0	0	10	-	0	-	-	-
USAN	21-9	30	11.0	5.4	8.2	-	16.0	28	1.6	14	-	-	42	-	11	3	9	6	2	0	0	0	0	1	0	1	0	0	7.00	-	-
WHITEHILLOCKS	9 9	258	13.0	2.7	7.9	-	22.0	28	-2.2	18	-	-	76	81	26	3	15	10	1	0	1	1	0	0	8	13	-	0	-	-	S
FIFE																														
BELLISTON	9 9	82	12.1	5.7	8.9	-	20.5	28	2.5	14,18	9.7	-	43	66	10	2.3	10	7	0	0	1	0	1	1	0	7	-	0	-	-	-
CUPAR	9 9	36	13.3	4.5	8.9	-	21.9	22	-1.0	18	10.8	-	36	-	12	3	9	5	0	0	0	0	1	-	1	6	-	0	6.19	-	S
GLENROTHES	9 9	117	12.6	4.7	8.7	-	22.7	28	-0.4	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	5.70	-	-
LEUCHARS	21-9	10	12.0	4.6	8.3	-1.4	20.8	22	-0.5	18	-	-	34	60	12	3	11	5	0	0	0	1	0	1	1	14	5	0	6.50	107	-
PITREAVIE	21-9	40	13.5	5.3	9.4	-	24.4	28	1.4	18	-	-	34	62	9	12	14	9	0	0	3	0	0	0	0	13	0	0	-	-	-
ST ANDREWS	9 9	18	12.4	5.6	9.0	-	21.5	22	1.0	18	10.8	9.0	33	55	11	3	10	6	0	0	0	1	0	0	0	11	-	0	6.36	-	-
LOTHIAN																														
BLACKBURN SEWAGE WORKS	9 9	131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BUSH HOUSE	9 9	184	12.6	3.7	8.1	-	22.4	28	-1.5	18	9.7	8.2	45	64	12	2	10	7	0	0	0	0	0	0	4	13	-	0	-	-	-
DUNBAR	9 9	23	11.7	5.3	8.5	-1.0	19.8	28	0.8	18	-	-	47	97	15	2	14	8	0	0	0	0	0	0	0	4	-	0	5.78	-	-
EDINBURGH																													6.25	102	-
EAST CRAIGS	9 9	61	13.3	4.6	8.9	-	23.7	28	-0.5	18	10.6	-	28	-	8	12	11	6	1	0	1	0	0	0	1	14	-	0	6.30	-	-
ROYAL BOTANIC GARDEN	9 9	26	13.6	4.8	9.2	-0.9	23.7	28	-0.4	18	11.0	-	26	45	9	12	9	6	0	0	0	0	0	0	2	14	-	0	6.29	111	-
ROYAL OBSERVATORY																															
BLACKFORD HILL ...	9 9	134	13.3	4.9	9.1	-0.8	23.8	28	1.1	14	-	-	34	58	10	12	11	9	0	0	0	2	0	0	0	2	-	0	6.01	106	-
TURNHOUSE AIRPORT ...	21-9	35	13.5	4.6	9.1	-0.8	24.7	28	-0.9	18	-	-	29	50	8	12	10	7	0	0	0	0	0	0	2	15	7	0	6.46	116	-
HADDINGTON	9 9	49	13.4	4.0	8.7	-	23.2	28	-1.8	18	-	-	44	86	17	2	12	7	0	0	0	0	0	0	2	-	-	0	-	-	-
LIVINGSTON	9 9	125	13.3	3.6	8.5	-	24.9	28	-1.6	18	-	-	44	-	11	12	11	7	0	0	0	0	0	0	4	15	-	0	-	-	-
NUNRAW ABBEY	9 9	195	12.0	3.8	7.9	-	21.3	28	-1.3	18	-	-	57	-	17	2	17	8	2	0	0	0	0	3	1	-	-	0	-	-	-
PATHHEAD	9 9	131	13.1	4.3	8.7	-	22.6	28	-0.3	17	9.6	-	33	-	13	2	12	7	0	0	0	1	1	1	1	7	-	0	-	-	-
PENICUIK	9 9	189	13.4	3.4	8.4	-0.9	23.5	28	-1.6	17	10.2	-	47	67	10	2	11	7	1	0	0	1	0	0	4	12	-	0	6.12	114	S
BORDERS																														
BLYTH BRIDGE	9 9	253	12.6	3.3	7.9	-	23.2	28	-1.5	14	-	-	48	73	15	6	10	8	0	0	1	0	1	0	4	14	-	0	6.16	-	-
BLYTHE	9 9	262	12.2	3.5	7.9	-	22.4	28	-1.3	18	-	-	41	61	12	2	12	8	-	0	-	-	-	-	2	-	-	-	6.59	-	-
BONCHESTER BRIDGE ...	9 9	146	13.4	-	-	-	25.2	28	-	-	-	-	39	-	8	1	14	9	0	0	0	0	0	1	-	-	-	0	-	-	-
BOWHILL (SELKIRK) ...	9 9	168	14.0	3.3	8.7	-	25.7	28	-2.2	18	-	-	41	57	9	12	11	9	0	0	0	0	2	4	0	3	-	0	-	-	-
FLOORS CASTLE	9 9	59	13.8	4.1	8.9	-	24.4	28	-0.6	17,18	-	-	40	71	10	3	12	9	0	0	0	0	0	3	2	-	-	0	-	-	-
GALASHIELS	9 9	198	12.5	3.5	8.0	-	23.0	28	-1.0	18	-	-	33	-	7	6	12	10	1	0	0	2	1	0	5	12	-	0	5.89	-	-
GLENTRESS	9 9	165	14.3	3.0	8.7	-	25.0	28	-1.5	14,18	-	-	58	92	16	6	11	9	-	-	-	-	-	0	4	-	-	-	-	-	-
GREYCROOK	9 9	76	13.7	3.3	8.5	-	24.0	28	-2.0	18	10.7	-	28	-	6	2	11	8	0	0	0	0	0	-	6	14	-	0	-	-	-
KELSO	9 9	34	14.0	4.4	9.2	-	24.5	28	0.1	18	-	-	38	-	10	12	10	7	0	0	0	1	0	0	3	14	-	0	-	-	-
LEITHOLM	9 9	64	13.0	3.8	8.4	-	23.0	28	-1.6	18	10.0	-	41	-	9	2	14	10	0	0	0	0	0	0	3	13	-	0	6.44	-	S
ST ABBS HEAD	9 9	75	11.1	6.2	8.7	-0.2	17.4	28	3.4	3,14	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	1	-	0	-	-	-
STANHOPE FARM	9 9	226	13.4	2.5	7.9	-	23.6	28	-4.0	18	-	-	58	75	13	6	11	8	0	0	0	1	1	1	0	7	-	0	-	-	-
WEST LINTON	9 9	244	13.3	2.6	7.9	-0.8	22.7	28	-1.7	16	8.9	7.5	55	80	19	6	11	7	0	0	0	0	0	2	6	13	-	0	-	-	-
WHITCHESTER	9 9	255	11.8	3.4	7.6	-	22.2	28	-2.3	18	-	-	60	85	16	2	15	10	2	0	0	2	0	-	3	-	-	0	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MAY 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE DEGREES C: 30 CM	MEAN EARTH TEMPERATURE DEGREES C: 100 CM	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
6 SCOTLAND W																																
STRATHCLYDE																																
ACHAGLACHGACH	9 9	12	15.3	4.4	9.9	-	22.2	27	-1.0	15	-	-	49	52	12	6	12	8	0	0	0	2	2	0	3	13	-	1	-	-	-
ARDS	9 9	37	15.2	4.5	9.9	-	22.6	25	-2.0	15	-	-	70	-	25	11	10	9	0	0	0	0	0	0	4	12	-	0	-	-	-
AUCHINCRUIVE	9 9	45	14.8	4.9	9.9	-0.4	23.0	27	0.6	15	10.3	9.0	50	88	17	3	12	9	0	0	0	0	2	0	0	11	-	0	8.20	133	-
BARRHEAD	9 9	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENMORE(YOUNGER BOTANIC GARDEN) ...	9 9	12	14.7	4.5	9.6	-	23.2	28	-0.5	15	-	-	78	58	21	6	15	10	0	0	0	3	3	0	3	10	-	0	-	-	-
BRODICK CASTLE	9 9	15	14.6	5.1	9.9	-	22.8	27	0.7	14	11.7	-	86	81	27	6	12	10	0	0	0	0	2	0	0	11	-	0	-	-	-
CAMPS RESERVOIR ...	9 9	295	12.7	2.1	7.4	-	22.8	28	-3.4	15	-	-	36	43	7	12	12	8	3	0	0	1	1	1	7	-	-	2	6.88	-	-
CARNWATH	9 9	208	13.6	1.8	7.7	-	23.5	28	-4.4	14	9.3	-	43	72	15	6	13	9	4	0	0	3	0	0	12	17	9	0	-	-	-
COLONSAY	9 9	35	14.1	6.0	10.1	-	21.0	26	1.0	15	-	-	31	-	7	11	9	6	0	0	0	0	1	0	0	-	-	1	-	-	-
CRAWFORDJOHN	9 9	274	13.3	1.9	7.6	-	22.8	28	(-4.0)	15	8.6	-	-	-	-	-	-	-	0	0	0	4	2	0	9	15	8	0	6.63	-	-
CUMNOCK	9 9	99	14.8	3.5	9.1	-	22.5	27,28	-1.1	14	-	-	55	-	16	3	10	7	0	0	0	0	1	0	3	13	-	0	6.94	-	-
DUNSTAFFNAGE	9 9	3	14.5	5.7	10.1	-	22.0	28	1.2	13	-	-	37	-	12	6	12	8	0	0	0	0	0	0	0	10	-	0	-	-	-
EAST KILBRIDE	9 9	178	13.5	4.4	8.9	-	22.3	28	-2.5	15	-	-	63	-	21	12	13	9	1	0	0	0	0	-	2	10	-	0	7.50	-	-
FINNART	9 9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GIRVAN	9 9	8	15.3	5.3	10.3	-	21.6	24,27	0.5	13	-	-	46	83	17	3	8	7	0	0	0	0	2	0	0	1	-	0	9.05	-	-
GLASGOW																															
ABBOTSINCH AIRPORT ...	21-9	5	15.0	4.7	9.9	-0.8	23.3	28	-1.2	14	-	-	40	-	17	12	10	6	0	0	0	0	2	0	3	13	6	0	7.16	120	-
SPRINGBURN PARK ...	9 9	107	14.6	5.3	9.9	-0.5	24.4	28	0.0	14	-	-	61	83	25	12	9	7	0	0	1	0	1	0	0	7	-	0	6.79	120	-
WEATHER CENTRE (X)	21-9	40	15.0	7.0	11.0	-	24.4	28	2.3	14	-	-	47	-	19	12	10	6	0	-	1	0	0	0	0	-	-	0	6.37	-	-
GREENOCK	9 9	61	-	-	-	-	-	-	-	-	-	-	50	58	14	12	12	7	-	-	-	-	-	-	-	-	-	-	7.15	119	-
HELENSBURGH	9 9	89	13.8	5.2	9.5	-0.6	21.5	22,28	0.5	14	-	-	47	55	12	12	10	7	-	0	-	-	-	0	0	-	-	-	7.31	-	-
HUNTERSTON	9 9	8	14.6	6.8	10.7	-	22.2	27	2.7	14	-	-	51	-	16	12	12	8	0	0	0	0	2	0	0	-	-	1	-	-	-
KILDONAN	9 9	18	14.1	6.0	10.1	-	21.5	27	1.9	15	-	-	45	-	13	3	14	10	0	-	0	0	2	6	0	5	1	0	8.43	-	-
KNAPDALE FOREST ...	9 9	12	14.6	3.9	9.3	-	22.5	28	-2.0	15	-	-	51	-	11	6	14	12	0	0	0	0	0	4	0	15	-	0	-	-	-
LANARK	9 9	152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEADHILLS	9 9	388	12.6	2.0	7.3	-	23.0	28	-3.3	14	-	-	78	72	17	12	15	9	4	0	3	1	1	0	9	15	-	0	-	-	-
MACHRIHANISH	21-9	10	13.6	5.5	9.5	-	21.6	26	-0.2	15	-	-	25	38	6	3	8	8	0	0	1	1	1	0	1	11	1	0	9.02	-	-
MILLPORT	9 9	5	14.5	6.0	10.3	-	23.0	22	0.8	14	-	-	55	77	14	12	12	9	0	-	0	0	1	0	0	-	-	0	-	-	-
PAISLEY	9 9	32	15.4	6.2	10.8	-0.3	24.1	28	1.0	14	10.7	9.4	50	66	22	12	10	6	0	0	0	0	1	0	0	5	-	0	6.76	118	-
PRESTWICK	21-9	16	14.8	4.4	9.6	-	23.8	27	-0.1	3	-	-	54	93	19	3	11	9	0	0	0	0	2	0	1	15	7	0	8.27	-	-
RHUVAAL	21-9	20	13.2	6.7	9.9	-	20.5	27,28	2.2	15	-	-	39	55	12	11	10	7	0	0	0	0	1	0	0	2	0	0	-	-	-
ROTHESAY	9 9	43	14.5	6.6	10.5	-	22.5	27	1.5	14	10.0	8.4	63	79	17	6	15	10	0	0	0	1	3	0	0	6	-	0	-	-	-
SLOY	21-9	12	14.7	5.2	9.9	-	23.3	28	-0.1	13.14	-	-	100	-	34	6	13	11	0	-	0	0	0	0	2	-	-	0	-	-	-
STRONACHULLIN	9 9	2	14.1	5.3	9.7	-	21.9	28	0.4	14	-	-	59	-	13	3	11	9	0	0	0	0	0	0	2	2	-	0	-	-	-
TIREE	21-9	9	12.8	6.5	9.7	-0.2	19.2	27	0.0	15	-	-	28	48	11	11	11	6	0	0	0	0	0	0	0	7	3	0	7.71	107	-
CENTRAL																															
ARROCHYMORE	9 9	30	14.9	4.9	9.9	-	22.5	22	0.0	14	-	-	44	-	13	12	11	7	-	0	-	-	-	0	0	13	-	-	6.57	-	-
CALLANDER	9 9	107	14.5	4.5	9.5	-	24.3	28	0.0	13.18	-	-	41	42	14	6	8	7	0	0	0	0	3	0	0	11	-	0	-	-	-
EARLS HILL	21-9	335	12.0	3.4	7.7	-	22.5	28	-1.0	14	-	-	51	-	17	12	13	9	2	-	0	0	2	3	2	12	8	2	5.84	-	-
FALKIRK	9 9	3	14.0	5.2	9.6	-	24.5	28	0.1	15	-	-	30	-	13	12	8	6	0	-	0	0	0	0	0	-	-	0	5.74	-	-
GRANGEMOUTH	9 9	4	14.5	6.3	10.4	-	25.0	28	2.5	15.18	-	-	33	-	14	12	9	6	0	0	0	0	0	0	0	1	-	0	-	-	-
PARKHEAD	9 9	107	14.6	4.7	9.7	-	25.0	28	0.5	18	10.8	-	44	-	17	12	9	9	-	0	-	-	-	0	0	-	-	-	-	-	-
STIRLING(BATTERFLATS)	9 9	38	14.9	4.5	9.7	-	25.5	28	0.4	15	10.7	9.2	35	-	12	12	11	6	0	0	1	0	3	0	0	15	-	0	6.29	-	-
DUMFRIES & GALLOWAY																															
BARGRENNAN	9 9	110	15.4	3.0	9.2	-	23.2	27	-3.0	14	-	-	53	60	15	7	13	8	0	0	0	0	3	0	5	11	-	0	-	-	-
CLATTERINGSHAWS ...	9 9	178	14.0	3.0	8.5	-	21.4	27	-2.3	14	-	-	102	86	20	12	14	9	3	0	9	0	3	0	5	-	-	0	6.78	-	-
DUMFRIES	9 9	49	14.6	5.0	9.8	-0.5	21.8	28	-0.5	14	10.6	9.1	57	74	11	3	12	12	0	0	0	0	2	0	1	9	-	0	7.43	127	-
DUNDEUGH	9 9	119	14.8	2.2	8.5	-	22.4	28	-3.9	14	9.5	-	61	71	14	3	14	9	0	0	0	0	1	0	8	-	-	0	-	-	-
ESKDALEMUIR	21-9	242																													
PSYCHROMETER			13.1	2.8	7.9	-	22.6	28	-4.9	14	8.9	7.7	59	59	14	11	12	9	3	0	3	1	4	0	7	13	7	0	6.64	124	-
SCREEN			13.4	2.9	8.1	-0.8	23.3	28	-4.7	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-
GIRDSTINGWOOD	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.09	-	-
GLENLEE	9 9	55	15.5	3.0	9.3	-0.8	23.2	28	-2.8	14	-	-	59	65	15	11	12	8	0	-	0	-	0	5	25	-	-	-	-	-	-
GLENLOCHAR BARRAGE ...	9 9	47	14.9	4.4	9.7	-	21.7	28	-1.7	14	-	-	51	62	14	12	16	9	0	0	0	0	2	0	3	-	-	0	-	-	-
PALNURE	9 9	15	14.9	4.5	9.7	-	22.8	27	-2.0	14	-	-	54	68	16	3	11	9	0	0	0	0	0	3	3	10	-	0	-	-	-
PENWHIRN	9 9	166	13.1	3.5	8.3	-	22.0	26	-2.0	15	-	-	55	64	12	11	11	7	-	-	-	-	-	0	3	12	-	-	8.71	-	-
THREAVE	9 9	73	15.1	4.4	9.7	-	22.9	27	-1.0	14	11.0	-	47	58	17	12	14	8	1	0	4	0	1	0	2	15	-	0	-	-	-
2 ENGLAND E & NE																															
NORTHUMBERLAND																															
BOULMER	21-9	23	11.5	5.0	8.3	-	18.1	28	0.0	1	10.1	8.6	45	-	16	2	15	7	0	0	0	1	0	0	0	11	3	0	6.78	-	-
COCKLE PARK	9 9	99	12.1	4.6	8.3	-	21.5	28	-2.7	31	9.6	-	44	-	13	2	10	7	0	0	0	1	0	0	1	13	-	0	6.34	-	-
HAYDON BRIDGE	9 9	79	13.8	4.2	9.0	-	22.9	28	-1.5	14	10.5	9.3	56	104	17	15	10	7	0	0	0	0	0	0	4	-	-	0	-	-	-
KIELDER CASTLE	9 9	201	13.0	2.2	7.6	-1.1	23.5	28	-3.5	14	9.4	-	61	59	15	7	13	11	0	0	0	0	1	0	9	16	-	0	-	-	-
LETHAMHILL FARM ...	9 9	76	(12.5)	(4.5)	(8.5)	-	22.0	28	-1.2	18	-	-	58	-	22	3	13	11	-	-	-	-	-	-	1	11	-	-	-	-	-
REDESDALE	9 9	238	12.3	3.0	7.7	-	23.0	28	-2.2	14	7.5	-	34	-	6	2	11	9	-	0	-	-	-	0	7	14	-	-	6.27	-	-
SEAHOUSES	21-9	11	11.5	5.6	8.5	-	17.6	28	0.3	14	-	-	44	91	19	2	10	7	0	0	0	0	0	1	0	7	3	0	6.65	-	-
STONEHAUGH	9 9	201	12.9	2.3	7.6	-	24.0	28	-2.5	15	-	-	64	-	15	15	11	9	1	0	0	0	0	0	10	15	10	0	-	-	-
TYNE & WEAR																															
CHOPWELLWOOD	9 9	136	13.2	4.6	8.9	-1.0	24.0	28	0.0	14.18	-	-	43	72	18	2	8	6	0	0	0	0	0	0	0	9	-	0	-	-	-
NEWCASTLE WEATHER CENTRE (X)	21-9	75	12.9	6.4	9.7	-	23.9	28	1.9	1.14	-	-	44	-	19	2	8	5	0	0	0	1	0	0	0	-	-	0	7.26	-	-
TYNEMOUTH	21-9	29	11.0	7.0	9.0	-0.7	19.3	28	2.4	14	-	-	41	87	18	2	10	5	0	0	0	0	0	2	0	2	-	0	6.77	123	-
WASHINGTON	9 9	27	-	-	-	-	-	-	-	-	-	-	53	-	19	2	10	8	0	0	0	1	0	0	-	-	-	0	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (GMT) OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	BRIGHT SUNSHINE EXPOSURE
2 ENGLAND E & NE -CONTINUED																																
DURHAM																																
DURHAM	9 9	102	13.6	4.7	9.1	-1.0	23.3	28	-1.3	1	10.4	8.9	35	69	13	2	9	6	-	0	-	-	-	1	1	9	-	-	6.38	118	S
LOW ETHERLEY	9 9	155	12.9	4.3	8.6	-	23.6	28	-0.8	1	9.5	-	33	-	11	3	9	5	2	0	2	1	2	1	2	13	-	0	-	-	-
WIDDYBANK FELL	9 9	513	11.0	1.7	6.3	-	20.6	28	-2.6	18	5.8	-	67	-	19	7	11	9	-	0	-	-	-	0	10	23	-	-	7.09	-	-
CLEVELAND																																
HARTBURN GRANGE ...	9 9	31	13.1	4.8	8.9	-	24.3	28	-0.9	1	-	-	54	136	16	2	12	11	0	0	1	0	3	0	2	10	-	0	5.93	-	-
HARTLEPOOL	9 9	9	12.7	6.8	9.7	-0.8	22.0	28	2.6	14	-	-	51	119	18	2	11	7	0	0	0	0	0	0	0	-	-	0	5.98	-	-
NORTH YORKSHIRE																																
ASKHAM BRYAN	9 9	34	14.6	5.2	9.9	-	24.2	28	0.4	14	-	-	49	99	16	2	10	7	0	0	0	0	2	0	0	8	-	0	6.87	119	-
CAWOOD	9 9	6	14.3	5.7	10.0	-	23.2	28	0.5	14	10.9	9.8	40	87	16	2	9	7	0	0	0	0	0	0	0	7	-	0	7.07	-	-
HIGH MOWTHORPE	9 9	175	12.0	5.3	8.7	-	21.4	28	1.6	14	9.0	-	67	123	21	2	11	10	0	0	0	0	0	1	0	5	-	0	7.04	-	-
LEEMING	21-9	32	14.1	5.5	9.8	-	24.6	28	0.2	1	10.6	9.0	63	140	17	12	8	7	0	0	2	0	2	0	0	9	1	0	6.12	-	-
MALHAM TARN	9 9	395	12.0	3.9	7.9	-0.8	20.8	28	0.0	14	8.5	-	49	51	11	11	11	7	1	0	1	0	0	0	0	14	-	0	-	-	-
PICKERING	9 9	44	14.0	4.9	9.5	-	23.8	28	-0.8	14	-	-	53	110	17	2	12	9	0	0	0	0	3	0	1	9	-	0	-	-	-
SCARBOROUGH	9 9	53	12.3	6.5	9.4	-	22.4	28	1.3	14	10.8	9.4	68	141	22	2	13	9	1	0	0	0	0	0	0	2	0	0	6.62	112	-
SILPHO MOOR	9 9	203	12.0	4.8	8.4	-	22.4	28	-1.3	14	8.9	-	82	126	28	2	17	10	0	0	2	0	1	1	1	3	-	0	6.58	-	-
SNAIZEHOLME	9 9	290	11.9	2.8	7.3	-	20.8	28	-2.8	1	8.2	-	82	-	24	15	12	9	0	0	0	0	0	3	8	13	-	0	6.26	-	S
WHITBY	9 9	41	12.2	5.7	8.9	-	21.6	28	-0.4	14	-	-	61	-	24	2	12	8	0	0	1	0	1	0	1	9	-	0	6.77	-	-
WHITBY(COASTGUARD) ...	21-9	60	11.3	6.0	8.7	-	20.3	28	0.0	14	-	-	53	-	19	2	11	9	0	0	0	0	0	0	0	1	1	0	-	-	-
YORK(HESLINGTON) ...	9 9	20	14.9	6.1	10.5	-	23.6	28	1.2	14	11.1	(9.8)	38	85	18	2	10	6	0	0	0	0	0	0	0	5	-	0	7.00	-	-
HUMBERSIDE																																
BRIDLINGTON	9 9	48	11.5	5.9	8.7	-	15.9	10	1.3	14	-	-	51	95	17	2	12	9	0	0	0	0	2	0	0	5	-	0	7.13	-	-
BRIGG	9 9	3	(14.6)	5.9	(10.3)	-	22.9	28	0.6	1	-	-	50	98	16	2	11	10	0	0	0	0	1	0	0	7	-	0	-	-	-
CLEETHORPES	9 9	6	12.9	6.5	9.7	-1.3	18.0	10	2.0	14	-	-	42	93	20	2	7	6	-	0	-	-	-	0	0	-	-	-	6.72	109	-
HULL	9 9	2	14.0	6.8	10.4	-1.0	21.7	28	1.6	14	11.7	10.3	62	129	21	2	11	10	0	0	0	0	0	0	0	1	-	0	7.20	125	-
LINCOLNSHIRE																																
BINBROOK	21-9	108	12.4	5.6	9.0	-	22.6	28	0.8	14	-	-	49	92	21	2	10	8	0	0	1	0	0	0	0	3	1	0	7.81	-	-
CAISTOR	9 9	55	14.1	(5.6)	(9.9)	-	22.8	28	0.6	14	-	-	38	-	16	2	10	7	-	-	-	-	-	0	0	-	-	-	-	-	-
CRANWELL	9 9	62	14.0	5.6	9.8	-1.3	22.1	28	-0.5	1	11.4	10.0	38	78	16	2	12	9	0	0	0	0	1	0	1	1	1	0	7.62	120	-
KIRTON	9 9	4	13.9	6.1	10.0	-	22.7	28	-0.4	1	10.3	9.1	36	-	13	2	12	9	0	0	0	0	1	0	1	3	-	1	7.85	-	-
LINCOLN	9 9	7	14.2	5.5	9.9	-1.2	23.3	28	-0.2	19	10.9	9.4	31	-	14	2	10	6	0	0	0	0	1	0	1	4	-	0	7.49	-	-
SKEGNESS	9 9	5	12.2	7.5	9.9	-0.9	18.2	10	3.0	14	-	-	35	79	12	2	10	8	0	0	0	0	0	0	0	2	-	0	(7.43)	(115)	-
SUTTON BRIDGE	9 9	4	14.2	6.8	10.5	-	22.8	28	0.0	1	-	-	52	105	16	1	12	9	0	-	0	0	0	-	0	2	-	0	-	-	-
WADDINGTON	21-9	68	14.0	5.9	9.9	-1.2	22.4	28	1.2	1	-	-	37	82	15	2	12	6	0	0	0	2	1	0	0	4	0	0	7.65	117	-
3 EAST ANGLIA																																
NORFOLK																																
COLTISHALL	21-9	17	13.5	6.9	10.2	-	20.9	28	1.5	9	-	-	32	73	10	2	12	8	1	0	1	0	1	0	0	4	1	0	-	-	-
CROMER	9 9	54	12.8	6.9	9.9	-1.2	18.8	11	2.8	1	-	-	39	85	10	2	11	9	0	-	0	0	1	0	0	1	-	0	7.42	115	-
GORLESTON	9 9	4	13.2	7.3	10.3	-0.6	18.0	11	2.0	2	11.6	10.3	32	82	7	2	9	8	0	0	0	0	1	0	0	-	-	0	6.72	99	-
MARHAM	21-9	23	14.2	6.6	10.4	-	23.5	28	1.4	1	-	-	36	-	8	2	14	8	0	0	0	0	3	0	0	3	1	0	8.05	-	-
MORLEY ST BOTOLPH ...	9 9	48	14.3	6.0	10.1	-	22.0	28	0.2	15	11.6	-	37	-	7	7	13	9	0	0	0	0	0	1	0	6	-	0	7.50	-	-
SANTON DOWNHAM	9 9	24	15.5	4.8	10.1	-	23.5	28	-3.0	1.15	10.1	9.1	40	83	7	2	13	9	-	0	-	-	-	0	3	15	-	-	7.57	-	-
SCOLE	9 9	27	15.1	6.4	10.7	-	23.0	28	-0.7	15	12.0	10.9	33	-	8	2	12	8	0	0	0	1	1	0	1	3	-	0	7.45	-	-
TERRINGTON ST CLEMENT	9 9	3	14.1	6.6	10.3	-1.0	22.4	28	-0.3	1	11.2	-	49	102	10	1	10	9	0	0	0	1	1	0	1	3	-	0	7.85	122	-
CAMBRIDGESHIRE																																
BOXWORTH	9 9	53	14.8	5.6	10.2	-	22.2	26	1.6	1	-	-	39	79	8	7	12	11	0	0	0	1	1	0	0	2	-	0	7.64	-	-
CAMBRIDGE BOTANIC GARDEN ...	9 9	12	15.7	5.8	10.7	-1.2	23.2	26	-0.5	1	11.5	10.0	42	93	10	12	13	10	0	0	0	1	2	0	1	4	-	0	-	-	-
NATIONAL INSTITUTE OF AGRICULTURAL BOTANY	9 9	26	15.7	(5.5)	(10.6)	-	23.1	28	0.8	2	-	-	40	91	9	7	11	10	0	0	0	0	1	0	0	3	-	0	7.64	119	-
MARCH	9 9	2	15.7	6.4	11.1	-	23.9	28	0.5	2	-	-	45	91	11	2	13	10	-	0	-	-	-	-	0	-	-	-	-	-	-
MEPAL	9 9	-2	15.1	5.5	10.3	-	22.9	28	-1.5	1	11.2	9.5	29	-	8	2	12	8	0	0	0	0	0	0	2	7	-	0	6.92	-	-
WITTERING	9 9	73	14.2	6.1	10.1	-	22.6	28	0.6	14	-	-	29	-	10	2	11	9	0	0	0	0	1	0	0	4	2	0	7.10	-	-
WYTON	21-9	40	15.0	6.0	10.5	-	22.9	26.28	0.8	14	-	-	30	63	10	2	12	9	0	0	0	1	0	0	0	2	3	0	-	-	-
SUFFOLK																																
ALDEBURGH	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.11	-	-
BROOMS BARN	9 9	75	14.7	6.1	10.4	-	21.9	28	1.2	15	10.9	9.8	43	97	11	2	11	7	0	0	0	0	1	0	0	2	-	0	7.52	-	-
EAST BERGHOLT	9 9	4	-	(6.0)	-	-	-	-	-0.7	15	-	-	55	146	11	1	11	10	0	0	0	0	0	0	1	-	-	0	-	-	-
HAUGHLEY	9 9	58	14.5	6.0	10.3	-	21.4	28	0.5	1.15	10.9	-	60	-	16	1	13	10	0	0	0	0	0	0	0	9	-	0	-	-	-
HONINGTON	21-9	50	14.8	6.1	10.5	-	22.4	28	0.7	1	-	-	36	85	7	2	11	9	0	0	1	0	1	0	0	4	0	0	7.35	-	-
LOWESTOFT	9 9	25	12.6	7.3	9.9	-1.1	17.5	10.11	1.6	14	11.6	10.5	37	96	8	2	10	8	0	0	1	1	1	0	0	0	0	0	7.40	109	-
WATTISHAM	21-9	89	14.3	6.1	10.2	-	20.8	28	1.7	15	-	-	52	134	10	2	13	10	-	0	-	-	-	0	0	5	0	-	7.23	-	-
BEDFORDSHIRE																																
CARDINGTON	21-9	29	15.6	5.1	10.3	-	23.7	26.28	-1.8	14	10.9	9.8	36	79	7	12	12	10	0	0	0	2	2	0	2	11	2	0	7.41	-	-
LUTON	9 9	159	14.9	5.7	10.3	-	23.0	26	1.4	14	11.6	10.0	40	75	7	11	12	10	-	0	-	-	-	0	0	-	-	-	6.55	-	-
SILSOE	9 9	61	(15.1)	5.1	(10.1)	(-1.2)	23.2	26	-1.9	1	(10.5)	9.4	40	90	11	15	12	11	0	0	2	0	2	0	2	7)	2	-	(6.56)	(104)	-
WOBURN	9 9	89	14.9	4.8	9.9	-1.3	22.8	28	-2.3	14	10.7	8.8	35	66	6	12	12	9	0	0	1	0	0	0	2	7	-	0	6.69	110	-
HERTFORDSHIRE																																
ALDENHAM SCHOOL ...	9 9	91	16.2	5.5	10.9	-	23.9	28	-0.2	1	12.1	-	43	84	9	7	14	11	0	0	0	0	2	1	1	5	0	0	-	-	-
GARSTON	9 9	78	15.6	5.9	10.7	-	23.3	28	-0.5	1	-	-	40	80	7	1.2	13	13	0	0	0	0	2	0	1	7	1	0	7.08	-	-
HODDESDON	9 9	43	16.5	6.3	11.4	-	23.7	26	0.2	1	12.7	-	47	102	14	1	15	11	0	0	0	0	2	-	0	4	-	0	6.63	-	-
ROTHAMSTED	9 9	128	14.9	5.5	10.2	-1.0	22.7	28	-0.5	1	10.3	8.7	42	79	8	2	13	12	0	0	0	1	0	1	0	7	-	0	7.11	118	-
ST ALBANS	9 9	83	15.2	5.9	10.5	-0.8	22.7	27	0.4	1	10.8	-	34	71	5	2	12	11	0	0	0	0	0	0	1	7	-	0	7.27	-	-
STANSTEAD ABBOTTS ...	9 9	30	15.9	5.9	10.9	-	25.0	28	-0.5	1	(11.8)	(10.8)	41	94	12	1	14	12	-	0	-	-	-	1	2	6	-	-	-	-	-
ESSEX																																
CLACTON-ON-SEA	9 9	16	14.1	7.5	10.8	-0.7	17.6	29	4.2	14.15	11.7	10.6	38	95	8	4	13	9	0	0	0	0	0	0	0	0	-	0	6.83	99	-
HALSTEAD	9 9	70	15.2	6.4	10.8	-	21.8	26	0.9	15	11.1	9.9	44	-	11	2	13	9	0	0	1	0	1	0	0	4	-	0	-	-	-
HARLOW	9 9	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITTLE PARNDON	9 9	54	15.6	6.2	10.9	-	23.0	26	-0.3	1	-	-	36	85	5	7	13	12	0	0	1	0	2	0	1	-	-	0	-	-	-
MALDON	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOEBURYNESS	21-9	2	14.1	7.5	10.8	-1.1	17.9	29	1.3	1	-	-	30	73	6	2	12	9	0	0	0	0	0	0	0	3	0	0	7.25	105	-
STANFORD-LE-HOPE ...	9 9	6	15.3	6.5	10.9	-	22.5	28	1.0	1.15	-	-	37	-	6	4	13	9	0	-	0	0	1	0	0	-	-	0	7.01	-	-
STANSTED	21-9	101	15.0	6.1	10.5	-	22.2	26	1.2	1	-	-	26	59	6	2	14	11	0	0	0	0	0	0	0	5	1	0	-	-	-
WRITTLE	9 9	32	15.6	6.0	10.8	-0.8	22.1	26.28	0.0	1	10.9	-	34	81	9	12	12	10	0	0	0	0	2	0	0	8	-	0	6.34	99	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MAY 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HEIGHT) MAX. MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM																				
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE	30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
4 MIDLAND COUNTIES																													
WEST YORKSHIRE																													
BRADFORD	9 9	134	13.8	5.6	9.7	-0.8	23.0	28	0.5	14	10.0	8.6	49	79	13	1	11	8	0	0	1	0	1	0	0	6	-	0	6.30	114	S
BRAMHAM	9 9	54	14.5	5.2	9.9	-	23.3	28	-0.3	14	-	-	39	71	14	2	12	6	0	0	0	0	1	0	1	7	-	0	-	-	-
HUDDERSFIELD																													
OAKES	21-9	232	14.5	4.8	9.7	-0.7	23.8	28	0.5	14	9.5	7.6	52	73	11	12	13	10	1	0	1	1	3	0	0	10	7	2	-	-	-
RAVENSKNOWLE	9 9	99	14.3	5.7	10.0	-0.9	24.1	28	0.0	14	10.6	9.3	50	81	12	2	11	7	0	0	0	1	1	0	0	9	-	0	-	-	-
ILKLEY	9 9	83	14.5	5.5	10.0	-0.7	23.5	28	-0.2	1	-	-	60	92	19	3	8	8	0	0	0	0	0	0	1	5	-	0	6.35	115	-
TODMORDEN	9 9	160	13.8	4.8	9.3	-	23.0	28	-1.1	14	-	-	54	-	11	1	13	10	0	0	0	0	3	0	1	-	-	0	-	-	-
PONTEFRACT	9 9	78	14.4	6.0	10.2	-0.7	22.5	28	1.5	14	-	-	39	78	14	2	10	7	0	0	0	1	2	0	0	-	-	0	-	-	-
WILSDEN	9 9	262	12.9	4.3	8.6	-	21.9	28	-0.1	19	-	-	57	-	15	1	12	9	1	0	0	0	2	0	1	7	2	0	-	-	-
SOUTH YORKSHIRE																													
FINNINGLEY	21-9	10	14.9	5.9	10.4	-	23.7	28	-0.1	14	-	-	30	64	13	2	8	6	0	0	1	0	1	0	1	6	1	0	7.01	-	-
SHEFFIELD																													
DORE	9 9	206	14.2	5.2	9.7	-	23.3	28	0.3	14	-	-	46	-	14	2	11	8	0	0	3	0	3	0	0	6	-	0	-	-	-
WESTON PARK	9 9	131	14.6	6.1	10.3	-1.0	24.3	28	1.7	14	10.8	9.3	43	67	15	2	9	6	0	0	0	0	2	-	0	-	-	0	6.70	128	-
DERBYSHIRE																													
ASHOVER	9 9	178	14.2	5.2	9.7	-	22.5	28	-0.9	14	-	-	40	-	11	2	11	9	2	0	0	1	1	0	1	7	-	0	6.92	-	-
BUXTON	9 9	307	12.3	4.6	8.5	-0.9	21.9	28	-0.2	19	9.4	8.5	62	72	22	7	13	9	0	0	1	0	0	0	1	3	-	0	-	-	S
DERBY	9 9	48	15.2	6.2	10.7	-	24.5	28	0.3	14	-	-	39	75	10	1	9	8	0	0	0	0	4	0	0	4	-	0	6.78	-	S
MORLEY	9 9	107	14.2	5.0	9.6	-	22.8	28	-0.5	14	-	-	46	83	10	2	9	8	0	0	0	0	1	1	1	7	-	0	7.10	-	-
WINGERWORTH	9 9	126	14.5	4.4	9.5	-	23.8	28	-2.1	14	-	-	43	-	13	2	12	8	0	0	0	0	4	3	0	2	13	-	-	-	-
NOTTINGHAMSHIRE																													
MANSFIELD	9 9	114	14.1	5.3	9.7	-1.4	23.0	28	1.0	14	-	-	31	-	13	2	10	7	0	0	0	0	0	0	0	5	-	0	-	-	-
NEWTHORPE	9 9	58	-	-	-	-	-	-	-	-	-	-	38	-	11	7	9	8	-	-	-	-	-	-	-	-	-	-	-	-	-
NOTTINGHAM	9 9	59	(14.8)	(6.6)	(10.7)	(-1.0)	23.0	28	0.5	14	(10.8)	(9.6)	32	66	10	2	10	8	0	0	1	0	1	0	0	4	-	0	6.52	121	-
SUTTON BONINGTON	9 9	48	15.1	5.8	10.5	-0.6	23.6	28	-0.4	14	10.2	9.4	45	87	9	1	11	10	0	0	0	0	1	0	1	10	3	1	6.69	116	-
WARSOP	9 9	46	14.5	5.1	9.8	-	23.3	28	-1.2	14	-	-	43	85	15	2	10	7	0	0	0	0	2	0	1	15	-	0	6.65	-	-
WATNALL	21-9	117	14.5	5.8	10.1	-1.0	24.3	28	1.1	14	-	-	41	74	11	3	10	9	0	0	2	1	5	0	0	7	1	0	6.90	122	-
STAFFORDSHIRE																													
KEELE	9 9	179	14.1	5.4	9.7	-	22.1	28	0.6	14	10.2	8.5	49	76	13	12	12	9	0	0	0	0	0	0	0	8	2	0	7.29	-	S
OAKEN	9 9	125	15.2	4.7	9.9	-1.0	23.3	28	0.2	14	10.8	-	33	51	13	2	11	7	0	0	1	0	2	0	0	2	-	0	-	-	S
PENKRIDGE	9 9	101	14.6	4.3	9.5	-	23.1	28	-0.6	14	-	-	43	71	9	2	11	9	0	0	0	0	2	0	1	8	-	0	-	-	-
STONE	9 9	107	14.6	5.2	9.9	-	22.4	28	-0.8	19	-	-	37	61	8	11	11	8	0	0	0	0	0	0	2	12	-	0	7.90	-	-
LEICESTERSHIRE																													
CALDECOTT	9 9	52	14.6	5.2	9.9	-	23.2	28	-1.9	1	-	-	41	91	8	2	11	10	0	0	0	0	2	0	2	5	-	0	6.65	-	-
NEWTOWN LINFORD	9 9	119	14.9	5.0	9.9	-	23.0	28	-0.5	14	-	-	45	80	11	1	11	9	0	0	2	0	3	0	1	9	-	0	6.81	-	-
SALOP																													
HAMPTON LOADE	9 9	64	15.7	5.2	10.5	-	23.9	28	0.4	14	-	-	37	-	12	2	12	6	-	-	-	-	-	-	0	-	-	-	7.89	-	-
NEWPORT	9 9	64	15.5	4.9	10.2	-0.7	23.7	28	-0.4	19	-	-	44	74	11	2	11	8	0	0	2	0	2	0	2	12	-	0	8.29	147	-
OSWESTRY	9 9	174	14.6	5.7	10.1	-0.6	24.0	27	1.8	4	-	-	51	68	17	2	14	10	0	0	0	1	1	0	0	13	-	0	7.55	132	S
PRESTON MONTFORD	9 9	67	15.7	4.8	10.3	-	23.3	28	0.1	19	11.6	10.1	49	-	16	1	12	11	0	0	2	0	1	0	0	12	-	0	7.94	-	-
SHAWBURY	21-9	72	15.3	4.4	9.9	-1.2	23.3	28	-0.5	19	-	-	38	64	14	2	11	8	0	0	3	0	2	0	2	16	6	0	7.90	135	-
SHREWSBURY	9 9	56	15.5	5.5	10.5	-0.9	23.5	28	0.6	17	11.8	10.7	50	88	16	2	11	8	0	0	1	0	1	0	0	7	-	0	7.04	122	-
WEST MIDLANDS																													
BIRMINGHAM																													
EDGBASTON	21-9	163	14.7	6.1	10.4	-1.0	23.8	28	2.4	14	9.3	-	40	59	15	2	11	9	0	0	1	0	2	0	0	7	1	0	7.46	136	-
ELMDON AIRPORT	21-9	96	14.9	5.0	9.9	-1.1	22.9	28	-1.2	14	-	-	44	-	12	2	11	9	0	0	0	0	2	0	2	10	4	0	7.61	128	-
KING EDWARD SCHOOL	9 9	137	15.0	5.7	10.3	-	23.6	28	1.7	15	-	-	40	62	17	2	9	7	-	0	-	-	-	0	0	-	-	-	-	-	-
COVENTRY AIRPORT	9 9	81	15.0	5.2	10.1	-	23.2	28	-1.3	14	10.0	-	37	-	10	2	12	10	0	0	2	0	1	0	1	-	-	0	7.60	-	-
WARWICKSHIRE																													
LONG LAWFORD	9 9	87	15.0	4.9	9.9	-	23.4	28	-2.1	14	11.3	-	44	-	11	1	11	8	0	0	1	0	2	0	1	7	-	1	-	-	-
LUDDINGTON	9 9	56	15.4	5.5	10.5	-	23.8	28	0.2	14	-	-	48	-	17	2	9	7	0	0	0	0	0	0	0	7	-	0	7.41	-	-
MORETON MORRELL	9 9	85	15.0	5.1	10.1	-	23.4	28	0.4	1	-	-	45	81	15	2	11	7	0	0	0	0	0	0	0	8	-	0	7.00	-	-
RUGBY	9 9	117	15.0	5.4	10.2	-1.1	23.2	28	1.3	1	11.6	10.3	37	69	10	2	10	8	0	0	1	0	1	0	0	0	0	0	-	-	-
SHIPSTON-ON-STOUR	9 9	111	15.0	5.2	10.1	-1.2	23.0	28	0.4	1	10.3	-	44	75	15	2	12	11	0	0	0	0	0	0	0	9	-	1	6.74	111	-
STRATFORD-UPON-AVON	9 9	49	15.3	5.0	10.1	-1.2	24.0	28	-0.8	14	12.1	-	46	86	16	2	10	7	-	0	-	-	-	0	2	8	-	-	6.70	115	-
WELLESBOURNE	9 9	47	15.3	5.4	10.3	-	23.3	26.28	0.3	14	10.4	9.6	44	83	14	2	10	7	-	0	-	-	-	0	0	6	2	-	7.44	-	-
NORTHAMPTONSHIRE																													
BUGBROOKE MILLS	9 9	69	15.0	4.8	9.9	-	24.1	26	-2.0	1	10.1	-	53	98	16	1	10	9	0	0	0	0	0	0	3	-	-	0	6.53	-	-
MOULTON PARK	9 9	122	14.2	5.3	9.7	-	22.5	26	0.0	14	10.8	9.3	58	-	13	1	12	10	0	0	0	0	0	0	0	8	-	0	-	-	S
RAUNDS	9 9	59	15.1	5.5	10.3	-1.2	23.6	28	-1.5	1	11.6	9.5	36	73	9	2	11	10	0	0	1	0	0	0	2	6	-	0	6.44	110	S
HEREFORD & WORCESTER																													
ASTWOOD BANK	9 9	139	15.5	5.4	10.5	-	24.0	28	1.4	14	-	-	39	-	15	2	12	6	0	0	0	0	4	0	0	7	-	0	-	-	-
HEREFORD	9 9	52	16.3	5.6	10.9	-	23.6	28	0.8	4	11.9	10.4	39	68	14	2	12	7	0	0	0	1	2	0	0	15	-	0	8.05	-	-
LYONSHALL	9 9	155	15.2	5.4	10.3	-0.8	22.5	28	1.5	4	-	-	51	71	19	2	10	10	-	0	-	-	-	0	0	12	-	-	-	-	-
MALVERN	9 9	62	16.1	6.5	11.3	-	24.2	28	2.5	14	12.0	9.7	42	62	14	2	12	10	0	0	1	0	1	0	0	7	-	0	7.43	124	-
PERSHORE																													
COLLEGE OF HORT.	9 9	40	16.1	5.9	11.0	-	24.2	26.27.28	1.5	14	-	-	49	83	18	2	14	10	0	0	2	0	1	0	0	7	-	0	7.55	-	-
ROYAL RADAR EST.	21-9	35	15.9	5.2	10.5	-	23.8	26	0.2	4.14	-	-	49	89	16	2	12	10	0	0	0	1	3	0	0	11	1	0	7.32	-	-
PRESTON WYNNE	9 9	84	15.5	5.2	10.3	-	22.8	28	0.6	4	-	-	39	67	18	2	11	7	0	0	0	0	1	0	0	11	-	0	7.80	-	-
GLOUCESTERSHIRE																													
CHELTENHAM	9 9	65	16.2	5.8	11.0	-1.1	24.9	27	1.2	14	-	-	55	93	11	2	12	12	0	0	0	0	0	0	0	-	-	0	7.12	119	-
INNSWORTH	21-9	21	15.8	5.6	10.7	-	23.7	26	0.4	4	-	-	41	-	9	11	12	7	0	0	0	0	3	0	0	9	1	0	7.63	-	-
OXFORDSHIRE																													
BENSON	21-9	67	16.0	5.8	10.9	-	24.5	28	0.1	1	-	-	39	-	9	2	13	9	0	0	1	0	1	1	0	8	-	0	7.32	-	-
BRIZE NORTON	21-9	81	15.3	5.9	10.6	-	23.5	26	-0.2	1	-	-	42	-	13	2	11	9	0	0	0	0	1	0	1	6	2	0	7.35	-	-
LETCOMBE REGIS	9 9	107	15.6	4.8	10.2	-	23.5	26	-0.8	1	11.8	-	51	86	21	2	14	12	0	0	0	0	0	0	2	5	-	0	-	-	-
OXFORD	9 9	63	15.7	6.1	10.9	-1.2	23.7	28	0.8	1	12.0	10.5	43	77	14	2	13	9	0	0	1	0	1	1	0	5	-	0	7.02	111	-
SHIRBURN(MODEL FARM)	9 9	108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WALLINGFORD	9 9	48	15.7	5.3	10.5	-	23.5	28	-1.2	1	11.2	9.9	38	80	11	2	12	9	0	0	0	0	1	1	1	9	-	0	6.50	-	-
BUCKINGHAMSHIRE																													
AYLESBURY	9 9	96	(15.5)	5.3	(10.4)	(-0.9)	23.9	25.28	-0.5	14	-	-	41	80	12	2	13	9	0	0	0	0	1	1	1	8	-	1	7.29	120	S
GRENDON UNDERWOOD	9 9	67	15.2	4.6	9.9	-	23.2	28	-3.0	1	10.9	9.4	37	69	11	2	11	10	0	0	0	0	0	1	4	11	-	0	6.77	-	S
MEDMENHAM	9 9	30	16.0	5.3	10.7	-	23.6	28	-1.1	2	-	-	47	84	12	2	12	12	-	-	-	-	-	-	5	11	-	-	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MAY 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (HGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM	HIGHEST MAXIMUM DATE	LOWEST MINIMUM	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	ORASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
5 ENGLAND SE & CENTRAL S.																															
GREATER LONDON																															
BROMLEY	9 9	65	15.8	6.9	11.3	-1.1	23.0	28	1.0	1	-	-	49	95	12	12	12	10	-	0	-	-	-	-	0	-	-	-	-	-	-
ENFIELD	9 9	17	16.1	8.1	12.1	-	23.3	28	3.0	1	11.5	9.7	50	-	11	1	14	11	0	0	0	0	1	0	0	5	-	0	-	-	-
GREENWICH	9 9	7	16.1	7.3	11.7	-	23.0	28	1.8	1	-	-	38	85	9	12	14	8	0	0	0	0	0	0	0	3	-	0	6.64	-	-
HAMPSTEAD	9 9	137	(15.0)	(6.4)	(10.7)	(-1.1)	22.3	28	2.2	14	-	-	45	87	7	12	13	10	0	0	0	0	0	0	0	7	-	0	(6.53)	(102)	S
HAMPTON	9 9	12	15.8	7.2	11.5	-0.9	24.0	28	1.5	1	-	-	35	72	9	12	12	10	0	0	0	0	3	0	0	6	-	0	6.87	104	-
HARROW WEALD	9 9	98	16.1	6.0	11.1	-	23.2	26	1.5	1,4,6	12.1	10.3	46	-	9	12	13	11	-	-	-	-	-	-	0	-	-	-	-	-	-
HEATHROW AIRPORT	21-9	25	16.4	7.2	11.8	-0.7	23.8	28	1.5	1	-	-	37	75	7	12	12	10	0	0	0	0	3	0	0	6	0	0	6.79	-	-
KENSINGTON PALACE	9 9	25	16.2	7.6	11.9	-1.0	23.6	28	2.7	14	12.6	10.9	39	78	10	12	13	10	0	0	0	0	0	0	0	7	-	0	-	-	-
KEW	21-9	6																													
PSYCHROMETER			15.6	6.5	11.1	-	23.0	28	-1.3	1	11.2	9.9	36	76	8	12	12	9	0	0	0	0	3	0	2	8	2	0	7.20	110	-
NORTH WALL SCREEN			15.9	7.5	11.7	-0.9	23.4	28	1.4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LONDON																															
WEATHER CENTRE (X)	21-9	77	16.0	8.4	12.2	-	23.7	28	5.0	1	-	-	33	-	9	12	11	9	0	0	1	0	2	0	0	-	-	0	6.98	113	-
ST JAMES PARK	9 9	4	16.4	7.9	12.1	-1.0	23.5	28	4.0	1	-	-	39	82	8	12	14	11	-	0	-	-	-	-	0	4	-	-	-	-	-
SOUTHGATE	9 9	67	16.2	6.5	11.3	-0.9	22.5	28	1.4	1	11.0	-	39	80	7	7	13	11	0	0	0	0	1	0	0	-	-	0	7.12	122	-
WADDON	9 9	59	16.3	6.8	11.5	-0.6	24.5	28	1.0	1	-	-	42	83	7	25	13	9	-	-	-	-	-	-	0	-	-	-	-	-	-
WEALDSTONE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(6.84)	-	-
WILTSHIRE																															
BOSCOMBE DOWN	21-9	126	15.6	5.7	10.7	-0.6	23.5	26	0.2	14	-	-	51	90	20	2	14	9	0	0	2	0	4	0	0	8	5	0	7.36	113	-
LACOCK	9 9	49	15.5	4.6	10.1	-	23.4	28	-1.0	14	-	-	38	62	15	2	12	6	-	0	-	-	-	-	2	10	-	-	-	-	-
LARKHILL	9 9	132	15.6	5.3	10.5	-0.6	23.7	26	0.4	1	-	-	47	83	20	2	12	8	0	0	0	0	3	0	0	7	4	0	-	-	-
LYNEHAM	21-9	145	15.3	5.4	10.3	-0.9	23.3	26,28	1.2	14	-	-	44	72	15	2	11	7	0	0	1	0	1	0	0	8	3	0	7.42	-	-
PORTON	9 9	110	15.5	5.4	10.5	-0.6	23.0	26	-0.2	4	10.6	-	59	97	19	2	14	12	-	0	-	-	-	0	1	10	5	0	7.06	107	-
TROWBRIDGE	9 9	37	16.5	5.5	11.0	-	24.6	28	-0.4	4	11.7	-	52	-	21	2	10	8	0	0	0	0	1	0	2	8	-	0	-	-	-
UPAVON	21-9	179	15.4	5.7	10.5	-	23.8	26	1.5	14	-	-	49	81	16	2	14	9	0	0	0	0	3	0	0	7	0	0	-	-	-
BERKSHIRE																															
EASTHAMPSTEAD	9 9	77	15.7	5.1	10.4	-	23.3	28	-2.3	1	10.8	10.0	39	-	12	2	11	9	0	0	1	0	2	0	4	8	5	0	6.97	-	-
HURLEY	9 9	43	15.7	6.1	10.9	-	23.7	28	-0.5	1	11.3	-	42	76	11	2	12	12	0	0	0	6	2	0	1	11	-	0	7.08	-	-
LAMBOURN(WARREN FARM)	9 9	192	14.4	5.0	9.7	-	22.8	28	0.7	1,14	10.2	-	47	-	16	2	14	9	-	0	-	-	-	-	0	-	-	-	-	-	-
READING	9 9	66	15.7	6.4	11.1	-	23.0	26,28	0.4	1	10.8	9.7	41	-	14	2	13	11	0	0	2	0	2	0	0	9	4	0	7.58	-	-
SHINFIELD(N.I.R.D.)	9 9	62	15.7	6.2	10.9	-	23.7	28	-0.2	1	-	-	43	-	15	2	13	10	0	0	1	0	3	0	1	7	-	0	7.18	-	-
SURREY																															
MERRIST WOOD	9 9	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICKLEHAM	9 9	55	15.6	5.2	10.4	-0.9	23.2	28	-0.8	1	11.3	9.8	48	86	8	12	10	9	0	0	0	0	3	0	3	3	-	0	-	-	-
WISLEY	9 9	35	16.3	5.7	11.0	-1.1	24.3	28	-1.2	1	11.3	10.4	41	83	5	2	12	12	0	0	1	0	3	1	1	8	-	0	6.69	104	-
KENT																															
DOVER R.M.S.	9 9	123	12.8	7.0	9.9	-	18.5	28,29	3.8	15	-	-	55	108	11	7	15	10	0	0	0	0	0	1	0	-	-	0	-	-	-
DUNGENESS	9 9	3	14.0	8.7	11.3	-	18.3	29	2.6	1	-	-	35	84	10	4	11	9	0	0	0	0	0	0	0	-	-	1	-	-	-
EAST MALLING	9 9	32	14.9	7.0	10.9	-0.6	22.2	29	0.9	15	11.3	10.1	46	94	8	6	12	11	0	0	0	0	2	0	0	6	2	0	6.79	101	-
ELMSTONE	9 9	5	14.6	6.8	10.7	-	20.7	29	-0.7	15	-	-	50	122	17	13	13	9	0	0	0	0	0	0	3	3	-	0	-	-	-
FAVERSHAM	9 9	48	14.3	6.9	10.6	-	21.0	29	-0.2	15	10.7	9.9	31	66	7	7	11	9	0	0	0	0	0	1	1	3	-	0	6.36	-	-
FOLKESTONE	9 9	31	14.1	7.7	10.9	-	20.6	28	1.6	1	-	10.6	41	90	8	4	13	9	0	0	0	0	1	1	0	3	-	2	7.33	101	-
GILLINGHAM	9 9	4	15.2	7.1	11.1	-	23.0	29	1.8	1	-	-	43	97	8	7	13	10	-	-	-	-	-	-	0	-	-	-	-	-	-
GOUDHURST	9 9	85	15.0	5.9	10.5	-0.8	22.3	28	-1.2	15	-	-	46	83	9	2	13	10	0	0	0	0	2	0	2	6	-	0	-	-	-
HADLOW COLLEGE	9 9	30	15.2	6.6	10.9	-	22.4	28	-0.1	15	10.8	9.8	46	-	9	2	13	10	0	0	0	0	1	0	1	6	-	0	(6.40)	-	-
HERNE BAY	9 9	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MANSTON	21-9	44	13.6	7.7	10.7	-	19.5	28	1.7	15	-	-	50	128	19	13	13	9	0	0	0	0	1	0	0	3	0	0	7.42	-	-
MARGATE	9 9	16	12.8	8.7	10.7	-1.2	16.1	29	4.9	14	11.3	10.4	43	111	13	13	13	10	0	0	0	0	0	0	0	0	-	1	7.56	105	-
ULCOMBE	21-9	47	14.6	6.6	10.6	-	21.7	29	0.9	15	-	-	33	-	8	4	13	9	0	0	0	0	2	1	0	6	0	0	6.74	-	-
WYE	9 9	56	14.6	6.8	10.7	-0.9	21.6	28	0.2	15	11.0	9.8	49	96	13	1	12	8	0	0	0	0	0	0	0	5	-	0	6.55	97	-
HAMPSHIRE																															
ALICE HOLT LODGE	9 9	115	15.4	5.5	10.5	-0.8	23.3	28	-1.3	1	-	-	57	93	15	2	11	9	0	0	0	0	0	0	2	8	-	0	6.98	-	-
EVERTON	9 9	16	15.8	6.6	11.2	-	22.9	25	0.9	1	-	-	58	109	12	2	14	9	0	0	0	0	2	0	0	6	-	0	7.94	-	-
HAYLING ISLAND	9 9	4	15.5	7.5	11.5	-	23.5	25	2.8	1	-	-	37	77	10	2	13	10	0	0	0	0	0	0	0	-	-	0	7.83	-	-
LECKFORD	9 9	117	16.0	5.3	10.7	-0.6	23.5	26	0.7	4,14	10.0	-	53	89	19	2	14	11	0	0	0	1	0	0	0	-	-	0	7.11	108	-
LONG SUTTON	9 9	145	(15.7)	(6.0)	(10.9)	-	23.4	28	1.1	1	(11.9)	(9.9)	54	92	16	2	13	11	0	0	3	0	1	0	0	6)	-	0	7.24	113	-
MARTYR WORTHY	9 9	84	15.9	5.6	10.7	-	24.2	28	-0.5	1	-	-	41	70	11	2	15	7	0	0	0	1	0	0	2	7	-	0	6.64	-	-
SOUTHAMPTON																															
MAYFLOWER PARK	9 9	3	16.7	7.5	12.1	-0.5	25.0	26	2.5	1	12.7	11.7	63	-	13	2	14	9	0	0	0	1	4	0	0	6	0	0	7.36	108	-
WEATHER CENTRE (X)	21-9	19	16.7	7.7	12.2	-	25.6	26	3.1	4	-	-	63	-	13	2	15	9	0	0	-	0	1	4	0	0	-	0	0	-	-	-
SOUTHSEA	9 9	2	15.9	8.2	12.1	-0.4	23.4	25	3.6	1	12.7	11.5	37	73	12	2	12	8	0	0	0	0	1	0	0	-	-	0	-	-	-
SPARSHOLT	9 9	113	14.5	5.3	9.9	-	23.0	26,28	0.5	23	-	-	55	-	20	2	14	10	0	0	0	0	0	0	0	6	-	0	7.20	-	-
ISLE OF WIGHT																															
RYDE	9 9	4	15.3	8.4	11.9	-0.4	21.4	26,28	4.4	1	-	-	45	89	16	2	14	6	0	0	0	0	1	0	0	-	-	0	7.24	98	-
ST CATHERINES POINT	9 9	16	14.7	7.9	11.3	0.0	21.4	25	4.2	2	-	-	40	77	11	2	13	7	0	0	0	0	1	0	0	-	-	0	-	-	-
SANDOWN	9 9	4	15.6	7.5	11.5	-0.6	21.6	25	0.8	2	-	-	40	82	13	2	8	7	0	0	0	0	0	0	0	-	-	0	7.99	105	-
SHANKLIN	9 9	55	14.8	7.0	10.9	-0.4	21.6	26	1.0	2	-	-	58	100	15	2	12	8	0	0	1	0	1	0	0	-	-	0	8.40	106	-
VENTNOR	9 9	135	15.1	7.8	11.5	-0.2	20.3	25	3.8	1	12.3	10.8	51	96	13	2	13	9	0	0	0	0	1	0	0	2	-	0	8.36	114	-
WEST SUSSEX																															
BOGNOR REGIS	9 9	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GATWICK AIRPORT	21-9	59	15.4	5.9	10.7	-	24.5	28	-1.4	1	-	-	43	80	9	6	12	10	0	0	0	0	4	0	4	6	2	0	6.74	-	-
HURSTPIERPOINT	9 9	30	16.0	6.1	11.1	-	23.5	28,29	-0.2	14	-	-	43	-	7	11	12	11	-	-	-	-	-	-	1	-	-	-	-	-	-
LITTLEHAMPTON	9 9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH HEATH	9 9	21	16.0	6.2	11.1	-	23.6	28	-0.4	1	11.5	10.0	37	-	10	6	11	9	0	0	0	0	0	0	1	5	-	0	6.88	-	-
ROGATE	9 9	64	16.0	(5.7)	(10.9)	-	23.8	26	-0.8	1	12.7	-	47	-	12	2	9	6	0	0	0	0	0	0	1	7	-	0	-	-	-
RUSTINGTON	9 9	8	15.6	6.8	11.2	-	23.3	25	0.7	1	-	10.9	41	-	7	2	12	11	-	0	-	-	-	-	-	-	-	-	-	-	S
WORTHING	9 9	2	15.8	7.4	11.6	-	24.1	26,28	2.2	6	13.1	-	37	-	8	6	12	9	0	0	0	0	0	0	0	4	-	0	(7.77)	-	-
EAST SUSSEX																													8.00	-	-
BEXHILL	9 9	4	14.9	8.2	11.5	-0.2	23.5	26	4.2	14	-	-	35	78	7	11	14	9	0	0	1	0	1	0	0	4	-	0	7.48	105	-
BRIGHTON	9 9	10	15.7	7.4	11.5	-0.4	23.6	29	3.1	1	-	11.8	32	75	7	11	12	8	0	0	0	0	0	0	0	0	-	0	8.14	112	-
EASTBOURNE	9 9	7	15.1	8.3	11.7	-0.1	21.6	26	4.3	1	12.4	11.3	49	101	10	6	12	11	0	0	0	0	2	0	0	2	-	0	7.46	99	-
EAST HORTHLY	9 9	38	15.5	6.3	10.9	-	24.0	26	-0.2	1	-	-	33	72	6	11	12	10	0	0	0	0	2	0	1	7	0	0	7.14	-	-
HASTINGS	9 9	45	15.0	7.9	11.5	-0.4	23.1	26	4.0	15	13.5	11.8	42	90	8	11	13	10	0	0	0	0	2	1	0	3	-	0	7.65	107	-
HERSTMONCEUX	21-9	17	15.0	6.6	10.8	-	23.0	26	1.0	1	-	-	34	-	5	2	12	9	0	0	0	0	3	0	0	7	-	1	-	-	-
PLUMPTON	9 9	76	15.1	6.5	10.8	-	22.7	26	0.7	1	-	-	49	81	10	11	12	9	0	0	0	0	1	1	0	4	-	2	7.31	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MAY 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(GHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
7A ENGLAND NW & I.O.M.																																
CUMBRIA																																
CARLISLE	21-9	26	14.7	4.9	9.8	-	22.3	27	-1.9	14	11.6	9.9	38	65	14	12	11	8	0	0	1	0	1	0	1	12	1	0	7.72	-	-
CARTMEL	9 9	34	15.0	4.3	9.7	-	21.2	28	-2.0	14	-	-	32	-	7	12	9	7	0	0	0	0	3			-	-	0	-	-	-
GRIZEDALE	9 9	91	-	2.4	-	-	-	-	-2.5	18	9.4	-	45	40	18	12	9	8	0	0	1	0	0	0	7	26	-	0	-	-	-
MOOR HOUSE	9 9	556	10.4	0.5	5.5	-	19.5	28	-7.0	18	5.9	-	81	63	30	7	12	10	4	0	4	0	1	1	12	21	-	1	7.35	-	-
NEWTON RIGG	9 9	171	(14.4)	4.1	(9.3)	(-0.8)	21.9	28	-1.7	15	(10.8)	-	28	50	8	7	9	7	0	0	0	0	1	0	4	12	-	0	7.73	133	S
SELLAFIELD	9 9	13	15.5	6.4	10.9	-	23.5	27	1.3	15	-	-	33	47	11	12	8	7	-	0	-	-	-	1	0	-	-	-	8.31	-	-
LANCASHIRE																																
HAZELRIGG	9 9	94	14.3	5.6	9.9	-	20.5	26	1.6	1	-	-	39	-	11	12	9	6	0	0	0	1	1	0	0	7	-	0	8.47	-	-
HELMSHORE	9 9	260	13.0	(4.6)	(8.8)	-	21.2	28	(1.0)	17	9.9	-	43	45	9	7	10	9	0	0	0	1	0	0	0	8	-	0	(7.07)	-	S
KIRKHAM	9 9	24	14.8	4.9	9.9	-	21.7	27	-0.4	18	-	-	35	55	8	1	7	6	0	0	0	1	1	0	1	13	-	0	8.48	-	-
MORECAMBE	9 9	7	15.7	6.9	11.3	-0.2	22.7	27	3.1	15	-	-	30	45	7	2	9	7	0	0	0	0	1	0	0	-	-	0	8.72	137	-
PRESTON	9 9	33	15.1	5.7	10.4	-	22.0	28	1.0	18	-	-	34	50	9	11	9	7	0	0	0	0	0	0	0	11	-	0	-	-	-
SLAIDBURN	9 9	192	13.5	4.4	8.9	-	22.2	28	-1.2	1	-	-	66	71	21	11	11	8	1	0	0	0	0	0	2	10	-	0	7.71	-	-
SQUIRES GATE AIRPORT	21-9	10	15.3	5.4	10.3	-0.6	23.1	27	0.5	1	-	-	31	50	10	2	10	6	0	0	0	0	2	0	0	8	1	0	8.71	126	-
STONYHURST	9 9	115	14.9	(5.1)	(10.0)	(-0.9)	22.6	28	0.2	14	-	-	39	53	9	11	10	7	-	0	-	-	-	0	0	3	-	-	7.55	126	-
MERSEYSIDE																																
AIGBURTH	9 9	12	15.6	6.8	11.2	-	22.8	27	3.5	16	-	-	34	-	11	2	11	8	0	0	0	0	0	0	0	0	0	0	7.95	-	-
BIDSTON	9 9	60	14.6	7.1	10.9	-	22.0	26	4.2	13	-	-	27	-	9	2	10	7	0	0	0	1	1	0	0	2	-	0	8.22	-	-
ST HELENS	9 9	76	15.4	6.2	10.8	-	23.4	28	2.9	17	(12.1)	-	49	-	25	1	10	6	-	-	-	-	-	-	0	-	-	-	8.46	-	-
SOUTHPORT	9 9	5	14.8	5.3	10.1	-1.0	22.5	27	0.2	18	(11.5)	(9.5)	35	58	11	2	10	7	-	-	-	-	-	-	0	7	-	-	8.79	129	-
SPEKE AIRPORT	21-9	22	15.6	5.9	10.7	-1.0	23.3	26	1.7	15	-	-	37	-	9	2	10	9	0	0	0	1	3	0	0	4	0	0	8.29	140	-
WEST KIRBY PARK	9 9	8	15.7	6.2	10.9	-0.7	23.4	26	1.3	16	-	-	28	48	11	2	10	6	0	0	0	0	1	-	0	0	-	0	-	-	-
GREATER MANCHESTER																																
BOLTON	9 9	107	(14.3)	(5.3)	(9.8)	-	21.5	28	0.0	14	(9.8)	(8.6)	45	-	14	7	10	8	0	0	0	0	0	0	0	10	-	0	(7.79)	(132)	-
MANCHESTER RINGWAY AIRPORT	21-9	75	15.2	6.6	10.9	-0.4	22.8	28	1.9	14	-	-	39	66	9	12	10	9	0	0	1	0	0	0	0	6	0	0	8.12	137	-
WEATHER CENTRE (X)	21-9	69	15.6	7.6	11.6	-	24.5	28	3.5	14	-	-	32	-	13	12	10	8	-	-	-	-	-	0	0	-	-	0	7.79	-	-
CHESHIRE																																
KNUTSFORD	9 9	65	15.8	5.3	10.5	-	24.5	28	0.7	14	10.9	9.6	31	48	6	7	10	9	0	0	1	0	0	0	0	10	-	0	-	-	-
MACCLESFIELD	9 9	152	14.4	5.7	10.1	-1.0	23.1	28	1.1	14	-	-	37	58	11	7	10	8	0	0	0	0	1	1	0	-	-	0	-	-	-
NESS GARDENS	9 9	55	15.5	5.5	10.5	-	23.4	26	1.8	14.15	11.3	-	37	63	12	15	13	7	0	0	0	0	1	0	0	18	-	0	7.27	-	S
ISLE OF MAN																																
DOUGLAS	9 9	87	13.7	6.8	10.3	0.0	19.5	26	1.9	15	-	-	19	26	9	3	9	3	0	0	1	0	0	1	0	5	-	0	9.35	132	-
POINT OF AYRE	21-9	9	13.7	6.6	10.1	-0.7	18.9	27.28	1.5	15	-	-	13	22	6	7	7	5	0	0	0	0	0	0	0	-	-	0	9.68	135	-
RONALDSWAY AIRPORT	21-9	16	13.8	6.1	9.9	-0.4	19.7	23.26	0.2	15	-	-	10	18	4	3	6	4	0	0	0	0	0	0	0	6	0	0	9.79	141	-
7B WALES N																																
GWYNEDD																																
ABER	9 9	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALA	9 9	163	14.6	3.6	9.1	-	22.1	26	-1.7	18	10.2	9.1	61	78	18	1	13	10	0	0	1	0	1	0	7	12	6	0	8.09	-	-
BARDSEY ISLAND	21-9	16	13.3	7.9	10.6	-	20.8	26	4.6	1	-	-	25	44	14	3	11	6	0	0	0	0	1	0	1	1	0	0	-	-	-
BETWS-Y-COED	9 9	15	(16.0)	(3.9)	(9.9)	-	24.5	26	-1.0	17.18	(11.3)	-	47	-	11	2	13	11	0	0	0	0	1	1	4	(12)	-	0	-	-	-
BOTWNNOG	9 9	34	14.8	6.4	10.6	-	22.6	26	0.8	9	12.4	11.2	50	69	15	3	10	10	0	0	0	0	0	0	0	2	-	0	8.93	-	-
CWMYSTRADLLYN	9 9	204	13.7	6.4	10.1	-	22.0	29	1.5	5	-	-	71	-	12	10	13	12	-	-	-	-	-	-	0	-	-	-	8.63	-	-
LLYN ALAW	9 9	44	13.7	6.3	10.0	-	21.0	27	3.0	14	-	-	22	-	9	3	10	9	-	-	-	-	-	-	0	-	-	-	9.70	-	-
PEN-Y-FFRIDD	9 9	84	14.6	6.3	10.5	-	23.7	27	1.7	1	-	-	33	46	13	3	9	8	0	0	0	0	2	0	0	13	-	0	9.26	-	-
TRAWSFYNYDD	9 9	193	14.6	5.4	10.0	-	22.5	26	0.7	1	-	-	63	63	16	1	13	12	-	0	-	-	-	0	0	11	3	-	-	-	-
VALLEY	21-9	10	14.7	7.2	10.9	-0.1	23.2	27	3.5	15	-	-	26	44	9	3	9	6	0	0	0	1	1	0	0	2	0	0	9.87	138	-
CLWYD																																
ALWEN	9 9	335	13.1	2.5	7.8	-	21.0	27	-3.5	18	-	-	57	66	15	2	14	11	-	-	-	-	-	-	9	19	-	-	-	-	-
BWLCHGWYN	9 9	386	-	-	-	-	-	-	-	-	8.2	-	49	55	15	2	13	11	0	0	0	0	0	1	-	-	-	0	-	-	-
COLWYN BAY	9 9	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CORWEN	9 9	144	14.9	4.2	9.5	-	22.6	26	-2.8	17	-	-	44	59	13	2	13	9	0	0	0	0	1	-	3	8	-	0	-	-	-
HAWARDEN BRIDGE	9 9	5	16.4	6.1	11.3	-0.5	24.6	26	1.6	19	-	-	32	55	11	2	12	6	0	0	0	0	1	0	0	-	-	0	-	-	-
LOGGERHEADS	9 9	210	13.6	3.1	8.3	-	21.1	26	-1.3	15	9.6	8.6	51	74	16	2	14	8	1	0	0	0	1	0	6	12	-	0	8.23	-	S
PRESTATYN	9 9	4	14.9	(6.6)	(10.7)	(-0.8)	23.8	26.27	2.6	18	-	-	34	69	12	2	11	6	0	0	0	0	0	0	0	-	-	0	8.53	137	-
RUTHIN	9 9	76	15.0	4.7	9.9	-	22.0	26	-0.4	18	-	-	48	82	19	2	11	8	0	0	0	0	0	0	2	-	-	0	7.71	-	-
POWYS(NORTH)																																
LAKE VYRNWY	9 9	303	13.5	4.2	8.9	-0.8	21.4	28	-0.5	18	9.1	-	56	51	11	11	15	12	0	0	1	0	1	0	3	9	-	0	-	-	-
MOEL CYNNEDD	9 9	358	13.5	2.4	7.9	-	20.6	28	-3.3	1	8.5	-	95	-	18	7	14	12	2	1	0	0	0	0	7	17	-	0	-	-	-
8A WALES S																																
DYFED																																
ABERPORTH	21-9	134	13.6	6.8	10.2	-0.5	22.3	27	1.6	1	-	-	50	78	13	29	13	7	0	0	0	0	2	1	0	3	0	0	9.22	136	-
ABERYSTWYTH	9 9	4	-	-	-	-	-	-	-	-	-	-	43	69	18	3	9	7	0	0	0	0	0	0	-	-	-	0	-	-	-
BRAWDY	21-9	111	13.6	6.1	9.9	-	20.3	26	0.8	1	-	-	49	-	10	1	12	9	0	0	0	1	1	1	0	7	2	0	9.35	-	-
BRYNAMMAN	21-9	183	15.4	6.2	10.8	-	23.3	29	0.4	1	-	-	83	-	31	2	15	11	0	0	3	0	2	0	0	3	-	0	-	-	-
CARMARTHEN	9 9	15	16.4	5.2	10.8	-	23.8	29	-1.8	4	11.2	9.8	41	47	13	11	11	8	0	0	1	0	1	0	3	7	-	0	8.65	-	S
CWMYSTWYTH	9 9	301	(13.7)	(4.2)	(8.9)	-	21.4	26	-2.3	1	-	-	82	78	27	2	13	11	1	0	0	0	0	0	2	9	-	0	8.29	-	S
DALE FORT	9 9	33	(15.2)	(7.6)	(11.4)	(+0.1)	20.1	29	3.7	1.2	(12.9)	-	26	-	8	11	9	7	0	0	0	0	1	1	0	-	-	0	9.23	-	-
ESGAIRWEN-UCHAF	9 9	332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOGERDDAN	9 9	31	15.4	5.7	10.5	-	23.8	26.27	-0.6	1	-	-	49	85	13	2	11	9	0	0	0	0	1	0	1	-	-	0	8.81	-	-
LLETY-EVAN-HEN	9 9	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MILFORD HAVEN (CONSERVANCY BOARD)	21-9	37	15.1	6.7	10.9	-	22.5	29	1.5	1	-	-	36	57	12	11	12	9	0	0	0	0	1	0	0	4	0	0	-	-	-
ORIELTON	9 9	61	15.2	6.2	10.7	-	22.5	29	0.0	2	12.3	-	38	54	13	11	10	7	0	0	0	0	2	1	0	10	-	0	-	-	-
SKOKHOLM ISLAND	9 9	35	13.1	(8.1)	(10.6)	-	18.0	21	4.4	1	-	-	22	-	7	11	7	5	0	0	0	0	0	1	0	2	-	0	-	-	-
TENBY	- -	-	15.4	6.9	11.1	-	21.0	29	0.5	2	-	-	32	-	7	11	10	7	0	0	0	0	1	0	0	-	-	0	(8.92)	-	-
TRAWSCOED	9 9	61	15.4	5.1	10.3	-	23.4	26	-2.0	1	10.7	-	51	73	14	2	8	8	0	0	0	0	0	1	1	7	-	0	8.55	140	-
TREGARON	9 9	178	15.0	4.8	9.9	-	22.4	29	-3.0	1	-	-	66	-	17	2	12	10	0	0	0	0	2	0	2	11	-	0	8.15	-	-
WHITECHURCH	9 9	130	14.6	5.0	9.8	-	22.0	26	-0.9	2	-	-	71	-	19	3	13	10	0	0	0	1	1	0	3	13	-	0	-	-	-
POWYS(SOUTH)																																
CENARTH	21-9	308	13.4	4.1	8.7	-	21.5	28	-2.5	1	-	-	69	-	21	2	12	11	1	1	0	0	0	0	2	16	-	0	-	-	-
LLANGENNY	9 9	122	15.5	5.4	10.5	-	23.1	26	-0.4	2	-	-	51	-	22	2	14	10	0	0	0	0	0	-	2	-	-	0	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — MAY 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
8A WALES S CONTINUED																															
WEST GLAMORGAN																															
MUMBLES HEAD	21-9	36	14.7	8.0	11.3	-	20.8	26	3.4	1	-	-	-	-	-	-	0	0	0	0	1	0	0	0	0	1	-	-	-
NEATH	9 9	62	-	7.1	-	-	-	-	0.0	1	-	-	45	51	12	11	9	8	0	0	0	0	1	0	2	-	0	-	-	-
PENMAEN	9 9	85	15.5	6.7	11.1	-	21.6	29	2.5	1	11.9	11.1	66	83	18	2	10	9	0	0	0	0	3	1	0	3	1	0	8.10	-	-
PORT TALBOT	9 9	7	17.0	7.6	12.3	-	23.6	27	0.0	1	-	-	48	66	13	2	13	7	0	0	0	0	0	0	0	-	-	0	-	-	S
SWANSEA	9 9	8	-	-	-	-	-	-	-	-	-	-	59	76	13	11	14	10	0	0	0	0	0	0	-	1	-	0	-	-	S
WHITEFORD BURROWS	9 9	6	16.0	5.9	10.9	-	21.7	29	-0.5	1	-	-	67	-	16	13	13	9	0	0	0	2	2	1	13	-	0	-	-	-	S
MID GLAMORGAN																															
ABERDARE	9 9	174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CILFYNYDD	21-9	194	15.5	5.7	10.6	-	23.0	28	0.2	1	-	-	53	-	17	11	14	11	0	0	0	0	2	0	0	1	1	0	-	-	-
LLWYNON	9 9	242	14.2	4.7	9.5	-	21.7	28	-1.5	1	-	-	98	91	23	2	15	14	0	0	0	1	1	1	-	-	-	0	7.97	-	S
PORTHCAWL	9 9	6	16.8	7.5	12.1	-	22.7	29	1.0	1	-	-	40	62	10	25	9	6	0	-	0	0	0	1	1	0	-	0	-	-	S
SOUTH GLAMORGAN																															
BRIDGEND	9 9	43	15.7	6.4	11.1	-	22.7	26,29	-0.7	1	12.2	10.4	39	-	10	2	13	8	-	-	-	-	-	1	4	-	-	-	-	-	-
RHOOSE AIRPORT	21-9	67	15.6	6.2	10.9	-	22.7	29	-0.4	1	-	-	47	-	13	11	10	8	0	0	1	0	0	0	1	8	2	0	8.89	-	-
GWENT																															
CRUMBLAND	9 9	245	14.5	5.1	9.8	-	22.2	28	1.6	1	9.9	9.0	49	61	21	2	12	9	0	0	0	0	0	0	12	-	0	7.48	-	-
NEWPORT	9 9	23	16.0	6.2	11.1	-	24.0	27	1.0	1	-	-	39	53	12	2	10	8	0	0	0	0	1	0	0	-	-	0	8.25	-	-
USK	9 9	21	16.7	5.3	11.0	-0.4	24.8	28	-0.5	1.4	13.0	-	45	56	11	11	12	7	0	0	0	0	-	2	10	-	0	6.51	114	-
8B ENGLAND SW																															
AVON																															
BATH	9 9	118	(15.8)	(6.3)	(11.1)	-	23.0	26,28	0.5	1	(11.8)	-	56	81	19	2	12	10	0	0	0	0	0	0	-	-	0	-	-	-
FILTON	21-9	59	16.2	6.1	11.1	-0.6	24.4	26	0.8	4	-	-	45	70	18	2	12	7	0	0	0	1	0	0	10	3	0	7.84	128	-
LONG ASHTON	9 9	51	15.9	5.8	10.9	-0.8	23.5	26	0.5	1	11.7	-	50	73	16	2	13	9	0	0	0	0	1	0	7	-	0	7.77	123	-
SOMERSET																															
CANNINGTON	9 9	23	16.3	6.4	11.3	-0.5	23.0	26	0.0	1	12.8	-	34	54	17	2	11	6	0	0	0	0	0	0	6	-	0	7.25	109	-
CREWKERNE	9 9	101	15.4	5.6	10.5	-	22.2	29	0.5	6	11.0	-	62	-	25	2	14	11	0	0	0	0	2	-	0	-	-	0	-	-	-
DOWNSIDE ABBEY	9 9	183	-	-	-	-	-	-	-	-	-	-	55	65	16	2	14	10	0	0	0	0	1	0	-	-	-	0	-	-	-
EXTON	21-9	335	13.7	4.8	9.3	-	21.1	28	-0.1	1	-	-	78	-	43	2	15	12	0	0	0	0	1	1	1	9	2	0	-	-	-
HAWKRIDGE	9 9	314	13.0	4.7	8.9	-	19.6	29	-1.6	2	-	-	86	83	34	2	16	14	0	0	0	0	1	2	3	9	-	0	(5.50)	-	-
NETTLECOMBE	9 9	96	14.9	5.2	10.1	-	21.6	26	-0.9	1	12.0	-	51	-	28	2	13	7	0	0	0	0	0	1	1	6	-	0	-	-	-
NETTLECOMBE(BIRDS HILL)	9 9	290	13.2	5.8	9.5	-	19.6	26	2.9	1	-	-	54	-	27	2	13	9	0	0	0	0	1	0	7	-	0	-	-	-	-
RODNEY STOKE	9 9	40	15.8	5.9	10.9	-	23.2	26	-0.1	1	11.5	10.3	63	92	30	2	12	9	0	0	0	1	0	1	4	-	0	-	-	-	-
WINCANTON	9 9	114	16.2	5.2	10.7	-	23.0	26,28	-0.3	1	-	-	80	116	24	2	15	10	0	0	1	0	3	1	1	6	-	0	7.83	-	-
YEOVILTON	21-9	18	16.3	5.8	11.1	-	23.4	29	-0.9	1	-	-	49	78	21	2	12	11	0	0	1	0	2	0	2	-	5	0	-	-	-
DORSET																															
BOURNEMOUTH																															
HURN AIRPORT	21-9	10	16.4	5.9	11.1	-	23.5	25	-1.0	2	-	-	52	90	12	5	14	9	0	0	0	1	4	0	3	9	2	0	7.57	-	-
MEYRICK PARK	9 9	40	-	-	-	-	-	-	-	-	-	-	45	81	15	3	11	8	0	0	0	0	0	0	-	-	-	0	6.98	97	-
CHRISTCHURCH	9 9	3	16.2	(6.7)	(11.5)	-	23.0	25	0.6	4	-	-	47	83	11	2	14	9	0	0	1	0	3	0	0	6	-	0	-	-	-
POOLE	9 9	5	16.4	6.6	11.5	-0.6	23.2	25	0.3	2	11.9	11.2	49	86	15	2	15	12	0	0	0	0	0	0	9	-	0	8.09	112	-
PORTLAND BILL (COASTGUARD)	21-9	53	14.2	7.3	10.7	-0.4	19.0	19	4.2	15	-	-	45	-	23	2	10	7	0	0	0	0	0	0	-	-	0	(8.26)	-	-
SWANAGE	9 9	11	14.5	7.5	11.0	-0.5	20.6	26	1.9	2	-	11.4	42	77	10	2	13	10	0	0	0	0	1	0	0	0	-	0	7.75	104	-
WEYMOUTH	9 9	23	15.9	6.7	11.3	-	21.9	25	1.1	2	-	-	51	-	20	2	14	11	0	0	0	0	0	0	-	-	0	8.11	110	-
WINFRITH	9 9	26	16.1	6.2	11.1	-	23.3	25	-0.6	2	-	-	60	98	18	2	15	12	0	0	0	0	0	1	8	-	0	-	-	-
DEVON																															
CHELDON BARTON	9 9	164	15.2	5.6	10.4	-	21.9	29	-1.4	1	10.9	-	56	-	16	2	12	11	0	0	0	0	2	0	3	12	-	0	7.24	-	-
EXETER AIRPORT	21-9	32	16.2	6.3	11.3	-0.2	22.2	28,29	-0.9	1	-	-	48	79	18	2	11	7	0	0	0	3	0	1	10	1	0	7.04	108	-
EXMOUTH	9 9	59	15.9	7.2	11.5	+0.2	21.4	25	1.1	1	-	-	53	84	30	2	10	8	0	0	0	1	0	0	-	-	0	8.03	115	-
HARTLAND POINT	21-9	91	12.4	7.9	10.1	-0.8	19.5	26	3.2	1	-	-	38	65	8	2.11	10	9	0	0	0	0	3	0	1	0	2	7.66	108	-
ILFRACOMBE	9 9	8	14.5	8.1	11.3	-	20.1	26	4.3	1	12.7	11.6	68	-	25	2	11	8	0	0	0	0	0	0	-	-	0	7.72	-	-
PLYMOUTH																															
MOUNT BATTEN	21-9	27	15.3	7.6	11.5	0.0	21.6	25	0.7	1	-	-	67	99	11	2	12	11	0	0	0	2	2	0	0	6	2	0	8.34	117	-
THE HOE	9 9	36	15.6	7.6	11.6	-0.4	21.2	25	0.6	1	12.2	10.7	59	88	10	2	12	11	0	0	0	0	3	0	0	7	-	0	7.97	113	-
PRAWLE POINT	21-9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	-	-	-	-	4	8.39	-	-
PRINCETOWN	9 9	414	13.0	4.9	8.9	-	20.9	29,30	0.5	1	-	-	109	-	36	2	16	13	2	0	0	3	1	4	0	8	-	0	-	-	-
SLAPTON	9 9	32	15.2	(7.6)	(11.4)	-	20.4	28	0.5	1	-	-	77	102	24	2	13	13	0	0	0	1	0	0	5	-	0	-	-	-	-
STARCROSS	9 9	9	15.6	6.5	11.1	-0.2	20.8	25	-0.3	1	12.2	-	48	74	28	2	11	9	0	0	0	0	0	1	7	-	0	7.54	109	-
TAVISTOCK	9 9	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEIGNMOUTH	9 9	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TORBAY(TORQUAY)	9 9	8	15.7	8.0	11.9	0.0	20.3	28	1.3	1	-	11.7	65	94	29	2	13	13	0	0	0	0	1	0	0	2	-	0	8.56	117	-
CORNWALL																															
BASTREET	9 9	232	14.0	4.5	9.3	-	21.4	29	-5.0	2	-	-	84	71	26	6	15	12	0	0	0	1	1	0	5	9	-	0	7.16	-	-
BUDE	9 9	15	14.9	7.0	10.9	-0.4	21.3	26	-0.6	2	12.6	-	65	106	18	11	15	12	0	0	0	1	0	1	-	-	0	7.88	114	-
CULDROSE	9 9	81	14.3	6.6	10.5	-	19.7	29	0.9	1.14	-	-	59	93	13	15	13	10	0	0	0	5	0	0	1	2	0	7.88	-	-
ELLBRIDGE	9 9	69	15.7	6.3	11.0	-	21.9	29	-0.9	1	-	-	61	75	13	6	14	11	0	0	0	1	0	3	8	-	0	7.61	111	-
FALMOUTH	9 9	51	14.7	6.8	10.7	-1.0	19.0	19,29	1.4	14	-	-	60	82	10	15	13	11	0	0	0	0	0	0	-	-	0	7.28	102	-
FOWEY	9 9	75	14.9	7.1	11.0	-0.8	20.5	25	0.5	2	-	-	64	-	13	15	13	13	0	0	0	1	0	0	-	-	0	-	-	-	-
GULVAL	9 9	15	15.2	7.6	11.4	-	21.5	29	1.5	2	-	-	52	-	10	14	16	10	0	0	0	1	0	0	0	7	-	0	7.52	-	-
GWENNAP HEAD	21-9	66	13.9	8.3	11.1	-	19.3	24	3.7	2	-	-	43	-	11	15	10	8	0	0	0	0	0	0	0	0	1	-	-	-	-
LIZARD	9 9	73	14.3	7.9	11.1	-0.2	19.4	19	2.4	6	-	-	50	85	13	15	10	9	0	0	0	0	1	0	-	-	4	8.33	112	-
NEWQUAY	9 9	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENZANCE	9 9	19	15.2	7.8	11.5	-0.6	20.5	24	-0.1	2	-	-	53	70	10	14	13	10	0	0	0	0	0	1	-	-	0	7.76	108	-
ROSEWARNE	9 9	76	13.9	7.1	10.5	-	19.7	24	1.2	2	12.7	11.5	57	80	10	14	12	12	0	0	0	0	0	0	4	-	0	7.23	-	-
ST AUSTELL(BETHEL)	9 9	55	14.9	7.2	11.1	-	20.6	25	1.4	2	-	-	79	-	16	15	13	13	0	0	0	1	0	0	5	-	0	8.23	-	-
ST JOHNS	9 9	128	15.1	5.8	10.5	-	22.6	29	-1.6	2	-	-	45	55	9	24	13	10	-	-	-	-	-	3	-	-	-	7.52	-	-
ST MAWGAN	21-9	103	14.4	7.5	10.9	-	21.3	24	1.9	2	-	-	67	94	15	15	14	14	0	0	0	1	3	0	0	3	1	0	7.85	-	-
SCILLY(ST MARYS)	21-9	48	14.1	8.9	11.5	-0.4	16.6	24	4.8	2	-	-	45	69	18	11	8	7	0	0	0	0	2	0	1	0	0	7.54	99	-
CHANNEL ISLANDS																															
ALDERNEY	9 9	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GUERNSEY																															
AIRPORT	21-9	104	13.4	8.0	10.7	-0.8	19.8	28	3.7	2	10.8	10.3	75	145	25	15	11	8	0	0	0	0	1	0	0	4	1	0	7.92	99	-
L'ANCRESSE	9 9	5	14.1	8.7	11.4	-	19.1	26	2.0	2	-	-	72	143	30	15	12	8	0	-	0	0	0	-	0	-	-	0	7.97	-	-
JERSEY																															
AIRPORT	9 9	83	14.3	8.3	11.3	-	21.4	29	4.4	2	11.9	11.1	69	130	15	15	14	10	0	0	0	0	2	0	0	2	0	0	7.98	-	-
GOREY CASTLE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.75	-	-
ST HELIER	9 9	47	15.4	8.7	12.1	-1.0	23.0	28	4.4	14	-	-	74	140	21	15	10	9	0	0	0	0	1	0	0	5	-	0	8.11	100	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MAY 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL (HIGHT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
NORTHERN IRELAND																																
LONDONDERRY																																
AGHANLOO	9 9	18	14.6	5.6	10.1	-	21.5	26	0.4	16	-	-	24	-	6	6	7	6	0	-	0	0	0	-	0	3	-		-		
BANAGHER(CAUGH HILL) ...	9 9	216	14.0	3.7	8.9	-	20.0	23,24	-0.7	14	-	-	41	-	10	11	11	9	0	0	2	1	1	0	2	14	-	0	7.21	-	-
CARMONEY	9 9	73	14.4	5.7	10.1	-	21.5	26	0.2	17	-	-	28	-	7	7	10	7	0	0	0	0	0	0	0	5	-		7.93	-	-
COLERAINE UNIVERSITY ...	9 9	23	13.8	4.4	9.1	-	21.5	26	-1.0	15	10.7	8.7	36	-	8	11	10	9	0	0	1	0	0	1	2	5	-	0	7.66	114	-
COOLKEERAGH	9 9	3	14.7	5.7	10.2	-	22.4	28	0.5	15	-	-	35	-	8	11	8	8	-	-	-	-	-	-	0	-	-		-	-	-
DERRYNOYD FOREST ...	9 9	88	15.0	3.9	9.5	-	21.1	22	-2.1	14	-	-	39	49	7	7	12	9	0	0	0	2	0	0	1	15	-		-	-	-
GARVAGH FOREST	9 9	88	14.3	3.7	9.0	-	21.2	26	0.3	17	10.7	8.4	36	45	10	7	11	7	0	0	0	0	0	0	0	14	-		-	-	-
LOUGHERMORE FOREST ...	9 9	174	14.3	2.9	8.6	-	20.9	26	-3.5	14	-	-	53	70	16	11	11	9	2	0	1	1	0	0	8	15	-		-	-	-
MONEYDIG	9 9	34	15.2	3.9	9.5	-0.8	22.2	26	-1.2	14	-	-	35	50	11	11	11	6	0	0	1	0	0	0	1	16	7	0	-	-	-
SOMERSET FOREST ...	9 9	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
ANTRIM																																
ALDERGROVE AIRPORT ...	21-9	68	14.5	4.9	9.7	-0.7	20.8	22	-0.6	14	10.8	8.9	27	43	6	11	10	8	0	0	0	2	1	0	2	12	6	0	7.63	124	-
ALTNAHINCH	9 9	226	13.3	3.8	8.5	-	20.0	26	-1.0	5,15	-	-	57	59	16	7	8	7	0	0	1	0	0	0	4	14	-	0	7.51	-	-
BALLYLUMFORD	9 9	24	13.6	5.4	9.5	-	20.2	28	1.5	15	-	-	20	-	5	3	8	4	-	-	-	-	-	-	0	6	-		-	-	-
BALLYMONEY	9 9	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
BALLYPATRICK FOREST ...	9 9	152	12.7	3.4	8.1	-	19.3	28	-3.2	15	-	-	40	51	10	3,11	12	7	0	0	0	0	0	0	4	16	-	0	8.18	-	-
CARNLOUGH	9 9	12	13.9	4.6	9.3	-	21.4	28	-2.0	15	-	-	42	-	14	6	13	6	0	-	0	0	0	0	1	6	-		-	-	-
DIVIS MOUNTAIN	9 9	363	11.4	3.4	7.4	-	18.6	28	-0.6	15	-	-	44	54	15	3	8	7	0	-	0	0	0	-	2	-	-		-	-	-
GREENMOUNT	9 9	32	15.2	3.2	9.2	-	21.9	22	-2.8	14	11.0	-	27	46	7	3	11	8	0	0	1	0	2	-	7	12	-		-	-	-
HYDE PARK (MALLUSK) ...	9 9	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
KILROOT POWER STATION	9 9	12	14.1	5.5	9.8	-	19.5	22	-0.5	14,15	-	-	34	-	6	5.7	12	10	-	0	-	-	-	-	2	5	-		-	-	-
LISNAFILLAN	9 9	38	14.4	3.0	8.7	-	20.5	22,26	-3.5	14,15	-	-	•31	50	10	11	10	8	0	0	1	0	1	0	7	13	-		7.85	-	-
LOWTOWN	9 9	271	12.3	4.0	8.1	-	18.6	28	-1.4	14	8.7	-	49	51	12	11	14	10	0	0	0	1	0	1	2	13	-	0	6.50	-	-
PARKMORE FOREST ...	9 9	235	12.3	3.1	7.7	-	19.4	28	-3.2	15	9.2	-	68	66	27	7	14	8	1	0	0	0	0	0	2	18	-	0	-	-	-
WOODBURN NORTH	9 9	217	12.5	3.4	7.9	-	18.5	28	-3.0	15	-	-	48	58	10	6	10	9	0	0	0	0	0	1	4	12	-		-	-	-
BELFAST																																
ANDERSONSTOWN	9 9	64	14.2	5.3	9.7	-	20.5	28	0.0	14	-	-	40	-	16	3	10	9	0	0	0	0	0	0	0	5	-		-		
MALONE	9 9	35	14.4	5.0	9.7	-	20.2	28	-1.0	14	10.7	-	23	-	6	7	10	5	-	-	-	-	-	0	2	-	-		7.84	-	-
MILLTOWN	9 9	37	15.2	4.9	10.1	-	21.6	22	-0.4	14	-	-	26	-	7	3	10	5	0	0	1	0	0	0	2	5	-		-		
NEWTOWNABBEY	9 9	32	14.0	7.0	10.5	-	20.2	28	0.9	14	11.7	-	33	49	9	11	9	6	0	0	1	0	0	0	0	6	1	0	7.66	-	S
ROSEBANK	9 9	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
ROSETTA	9 9	24	14.9	5.3	10.1	-	21.2	28	0.2	15	-	-	29	45	7	3	8	6	0	0	0	0	0	0	0	-	-		-		
STORMONT CASTLE ...	9 9	56	14.0	5.8	9.9	-	20.0	28	1.0	14	11.5	10.0	23	37	6	3	9	6	0	0	0	0	0	0	0	12	-		7.60	-	-
DOWN																																
BANGOR SEACOURT ...	9 9	15	13.7	6.9	10.3	-	20.7	28	2.3	15	11.6	10.0	21	-	5	11	8	7	1	0	0	1	1	0	0	4	1	-	7.94	-	-
BALLYWALTER PARK ...	- -	11	-	-	-	-	-	-	-	-	-	-	26	45	6	11	10	7	-	-	-	-	-	-	-	-	-	-	8.35	-	-
BALLYWATTICOCK	9 9	6	14.2	5.3	9.7	-	20.1	31	0.0	14	-	-	18	34	5	3	8	6	0	0	1	0	0	0	0	6	-	0	8.13	-	-
CREIGHTONS GREEN ...	9 9	119	12.9	4.7	8.8	-	20.1	28	0.5	14	-	-	23	35	5	6	6	6	-	-	-	-	-	-	0	-	-		-	-	-
DOWNPATRICK	9 9	26	14.4	5.5	9.9	-	19.9	22	-0.6	15	-	-	26	-	10	6	8	4	-	-	-	-	-	0	1	-	-		-	-	-
HELENS BAY	9 9	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
HILLSBOROUGH	9 9	116	13.2	4.6	8.9	-1.0	19.0	22	-0.7	14	9.9	8.4	25	42	8	3	8	7	0	0	0	0	0	0	1	14	-	0	8.01	135	-
MURLOUGH	9 9	9	14.8	3.8	9.3	-	20.2	28	-1.7	15	9.8	8.8	22	-	7	12	8	7	0	0	0	1	0	1	2	15	-	3	8.30	-	-
ARMAGH																																
ARMAGH	9 9	62	15.2	4.6	9.9	-1.0	21.2	22	-0.7	15	12.4	10.8	20	33	7	12	10	5	0	0	0	1	0	0	2	12	-	0	7.30	124	-
LOUGHGALL	9 9	25	14.7	4.2	9.5	-	20.3	22,26	-1.1	3	-	-	25	44	7	6	10	5	0	0	0	1	0	0	2	13	-	0	7.68	-	-
LURGAN	9 9	55	14.9	4.5	9.7	-	22.3	22	-0.2	14	10.6	9.2	22	39	7	3	10	7	0	-	0	0	0	-	1	14	-	-	7.63	-	-
TANDRAGEE	9 9	43	16.0	3.9	9.9	-	22.6	26	-1.0	3,18	-	-	13	-	5	6	5	4	-	-	-	-	-	-	3	-	-		-	-	-
TYRONE																																
ALTAVEEDAN	9 9	175	14.5	4.3	9.4	-	21.1	26	-1.4	5	-	-	20	-	11	11	8	3	-	-	-	-	-	-	3	9	-	-	-	-	-
CARRIGANS	21-9	113	15.3	4.7	10.0	-	22.6	23	-1.8	14	-	-	34	44	9	11	11	8	1	0	4	0	2	0	2	13	4	0	7.41	-	-
COOKSTOWN	9 9	77	14.3	4.1	9.2	-	20.3	22,23	-1.7	14	10.0	-	12	18	5	11	7	4	0	0	0	0	0	1	3	9	-	-	7.87	-	-
LOUGH BRADAN	9 9	169	14.3	3.5	8.9	-	20.6	23,29	-2.1	14	-	-	33	34	10	11	11	7	-	0	-	-	-	0	5	13	-	-	7.40	-	-
POMEROY FOREST	9 9	174	13.6	3.9	8.7	-	19.5	23	-1.3	14	10.8	-	24	32	8	11	10	6	0	0	0	0	0	0	1	13	-	-	-	-	-
STRABANE CONVENT ...	9 9	44	15.6	5.2	10.4	-	21.0	23	-1.4	14	-	-	30	47	7	11	9	8	0	0	0	2	0	0	1	7	-	0	7.60	-	-
TIEVENNY	9 9	41	15.2	4.3	9.7	-	22.2	29	-2.5	14	-	-	38	-	12	11	10	9	-	-	-	-	-	-	3	9	-	-	-	-	-
FERMANAGH																																
CASTLE ARCHDALE FOREST	9 9	66	15.2	4.0	9.6	-0.7	22.0•	23	-1.9	17	11.2	10.0	14	19	3	8	8	7	0	0	0	0	0	0	5	15	-	0	7.41	123	-
CORGARY	9 9	156	14.5	4.5	9.5	-	20.8	23	-1.2	17	-	-	16	-	3	10	9	7	1	-	0	0	0	0	1	8	3		-	-	-
KNOCKARAVAN	9 9	53	15.5	4.6	10.1	-	22.8	23	-1.2	14	-	-	16	-	4	10	10	8	0	0	0	1	1	0	2	11	3		-	-	-
LISNASKEA	9 9	49	15.5	4.2	9.9	-	21.6	23	-1.6	17	-	-	10	14	3	8	9	4	0	-	0	0	0	0	4	11	-	-	7.30	-	-
LOUGH NAVAR FOREST ...	9 9	148	15.4	3.0	9.2	-	22.0	24	-3.9	14	-	-	23	25	4	8	8	8	0	0	0	0	1	1	9	14	-	-	-	-	-
PUBBLE FOREST	9 9	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

MAY 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: NUMBER OF OBSERVATIONS 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
0 SCOTLAND N SHETLAND																																									
FAIR ISLE	61	9	1019.6	-	7.7	0.8	9.4	88	5.4	3	3	5	12	7	1	0	1	0	2	4	1	1	7	7	8	0	5	14	8	4	3	4	6	4	3	1	2	4
		15	1019.8	-	8.4	1.0	9.5	86	4.8	2	5	8	8	6	2	0	0	1	2	1	1	4	6	6	7	0	6	15	9	1	5	2	5	9	1	0	3	5
		21	1019.9	-	6.7	0.6	9.0	91	5.0	1	8	5	8	7	2	0	1	2	1	4	4	1	3	4	9	6	0	5	12	10	4	5	1	12	1	2	0	5	1
LERWICK	83	3	1019.5	-	5.3	0.6	8.2	91	5.3	0	7	7	5	10	2	0	2	0	0	1	3	2	3	10	10	0	1	7	20	3	9	5	2	2	4	1	4	1
		9	1020.0	+ 5.5	8.1	1.7	8.6	79	5.5	0	4	9	12	6	0	0	0	0	0	1	3	1	6	10	10	0	2	13	16	0	3	8	3	4	6	0	7	0
		15	1020.2	-	8.4	1.7	8.8	79	5.8	1	4	5	10	11	0	0	0	1	0	1	2	3	3	11	10	0	0	15	16	0	4	7	4	5	6	0	5	0
		21	1020.4	-	6.4	1.0	8.4	86	5.3	1	8	3	8	10	1	0	1	0	0	0	1	7	4	9	9	0	2	9	20	0	3	8	6	0	1	3	8	2
ORKNEY																																									
KIRKWALL	26	3	1018.9	-	5.8	0.5	8.6	93	5.4	1	9	1	7	12	1	0	0	1	0	0	1	4	6	11	8	0	0	9	21	1	4	4	2	5	7	2	4	2
		9	1019.5	+ 4.9	9.0	1.5	9.3	81	5.9	1	5	3	11	11	0	0	0	0	0	1	0	4	3	6	8	13	0	0	13	18	0	10	3	1	7	4	2	2	2
		15	1019.4	-	10.0	1.7	9.7	79	5.5	1	7	1	13	9	0	0	0	0	0	1	0	4	5	11	10	0	0	15	15	1	8	3	5	9	1	0	2	2
		21	1019.8	-	6.8	0.6	9.1	91	5.7	0	7	4	9	11	0	0	0	0	0	0	1	6	5	9	10	0	0	12	18	1	5	3	5	8	3	2	3	1
WESTERN ISLES																																								
BENBECULA	7	3	1018.5	-	7.0	0.4	9.4	94	4.8	3	4	9	11	4	0	0	0	0	1	0	0	2	2	14	12	0	1	10	18	2	8	2	7	3	5	1	2	1
		9	1019.1	+ 5.0	10.4	1.6	10.2	81	4.7	1	9	5	12	4	0	0	0	0	0	0	1	1	2	10	17	0	2	16	13	0	5	5	2	6	5	2	2	4
		15	1019.2	-	11.7	2.1	10.4	75	4.7	2	8	4	12	5	0	0	0	0	0	0	1	0	2	7	21	0	1	20	10	0	4	5	1	1	3	7	3	7
		21	1019.4	-	8.7	1.0	9.9	87	4.5	1	9	8	9	4	0	0	0	0	0	0	0	1	2	10	18	0	1	14	15	1	8	8	3	0	3	4	2	2
STORNOWAY	5	3	1018.6	-	6.6	0.4	9.2	94	5.0	2	7	4	9	9	0	0	0	0	1	0	0	2	4	15	9	0	1	8	20	2	3	6	4	2	3	1	3	7
		9	1019.3	+ 5.0	9.2	1.2	9.8	84	5.3	0	6	5	15	5	0	0	0	0	2	0	0	1	4	12	12	0	1	12	18	0	1	7	5	4	9	1	0	4
		15	1019.5	-	10.4	1.9	9.8	77	5.0	1	8	5	11	6	0	0	0	0	0	1	0	1	3	9	17	0	1	19	11	0	3	12	2	0	8	1	1	4
		21	1019.6	-	8.3	0.8	9.8	88	4.8	2	8	5	8	8	0	0	0	0	1	0	0	2	4	9	15	0	0	14	17	0	5	11	4	3	1	2	3	2
HIGHLAND																																								
CAPE WRATH	113	3	1018.5	-	7.4	0.8	9.2	88	5.9	1	3	8	4	13	2	0	2	0	0	0	1	0	3	16	9	0	1	8	20	2	1	4	11	2	2	8	0	1
		9	1019.3	-	8.2	0.9	9.7	88	5.9	1	2	9	6	11	2	0	0	1	0	1	4	0	0	2	16	7	0	0	7	22	2	0	3	11	2	1	7	3	2
		15	1019.5	-	9.1	1.0	10.2	87	5.3	1	2	14	4	10	0	0	0	0	0	1	0	0	2	3	17	8	0	1	5	24	1	2	6	11	1	0	5	3	2
		21	1019.3	-	8.1	0.8	9.6	89	5.5	1	2	10	8	10	0	0	0	0	0	3	0	0	6	11	11	0	3	7	20	1	1	4	11	5	1	5	2	1
DALCROSS	12	9	1019.5	-	9.6	1.7	9.5	78	5.7	1	3	8	11	8	0	0	0	0	0	0	0	3	5	9	14	0	0	5	25	1	8	5	3	1	0	6	4	3
		15	1018.8	-	12.2	2.9	9.6	68	5.2	1	5	7	10	8	0	0	0	0	0	0	0	7	4	5	15	0	0	14	17	0	7	17	1	0	0	2	3	1
WICK	37	3	1018.9	-	5.7	0.6	8.5	91	5.5	1	7	2	12	8	1	0	0	1	1	0	2	7	4	12	4	0	0	8	22	1	0	5	1	5	5	2	7	5
		9	1019.3	+ 4.6	8.6	1.4	9.2	82	6.0	0	5	3	16	7	0	0	0	0	1	1	1	3	5	10	11	0	1	14	16	0	4	6	3	6	6	1	1	4
		15	1019.2	-	9.5	1.8	9.2	77	5.6	0	5	4	17	5	0	0	0	0	1	0	1	7	2	13	7	0	1	17	13	0	3	4	6	12	1	1	2	2
		21	1019.6	-	7.4	0.9	9.1	87	5.3	1	9	1	11	9	0	0	0	0	0	1	3	5	3	11	8	0	0	10	21	0	2	5	2	11	3	2	2	4
1 SCOTLAND E GRAMPIAN																																								
DYCE	59	3	1019.0	-	5.5	0.5	8.5	92	5.5	1	8	1	7	14	0	0	0	0	0	0	2	1	6	6	12	4	0	0	2	21	8	4	0	0	4	5	0	3	7
		9	1019.3	+ 4.3	9.8	2.3	8.7	72	5.8	0	6	3	12	10	0	0	0	0	0	0	1	4	6	9	11	0	0	10	20	1	10	2	1	4	5	1	1	6
		15	1018.7	-	11.6	2.8	9.2	68	5.9	1	5	2	16	7	0	0	0	0	0	1	1	4	7	7	11	0	0	10	21	0	5	2	5	12	3	1	1	2
		21	1019.5	-	8.1	1.3	8.9	82	5.6	0	7	5	5	14	0	0	0	0	0	2	4	5	5	7	8	0	0	2	26	3	3	4	5	2	8	1	0	5
FRASERBURGH	22	3	1019.2	-	6.9	0.8	8.8	87	5.8	0	8	0	8	15	0	0	0	0	0	0	2	1	8	19	1	0	0	7	24	0	2	3	1	3	10	2	5	5
		9	1019.7	+ 4.8	8.8	1.6	9.0	80	5.8	0	8	4	6	13	0	0	0	0	0	0	0	0	10	20	1	0	1	9	21	0	4	2	2	7	2	1	6	7
		15	1019.4	-	9.3	1.6	9.3	80	5.5	0	7	7	4	13	0	0	0	0	0	0	1	3	11	16	0	0	2	8	21	0	10	1	8	6	1	1	2	3
		21	1019.7	-	8.0	1.2	8.9	83	5.8	0	8	3	3	17	0	0	1	0	0	0	1	2	12	15	0	0	0	5	26	0	4	2	5	10	3	0	4	3
KINLOSS	6	3	1019.0	-	6.4	0.8	8.6	89	5.3	1	7	4	10	9	0	0	0	0	0	0	1	7	5	11	7	0	0	3	26	2	3	5	2	1	3	7	8	0
		9	1019.3	+ 4.5	9.9	1.8	9.4	77	5.5	0	7	5	11	8	0	0	0	0	0	0	0	4	6	8	13	0	0	8	23	0	12	4	1	2	1	3	5	3
		15	1018.7	-	12.5	3.0	9.7	68	5.0	1	9	2	13	6	0	0	0	0	0	0	0	3	1	11	16	0	0	14	17	0	9	12	5	2	0	1	2	0
		21	1019.3	-	8.7	1.1	9.7	85	5.6	0	7	2	14	8	0	0	0	0	0	0	3	3	5	7	13	0	0	4	26	1	3	8	7	1	4	3	3	1
LOSSIEMOUTH	6	3	1018.9	-	5.9	0.8	8.3	88	5.3	1	7	3	12	8	0	0	0	0	0	0	0	6	5	10	10	0	0	3	22	6	3	4	4	0	4	8	2	0
		9	1019.3	-	9.7	2.0	9.1	76	5.6	0	6	4	12	9	0	0	0	0	0	0	0	6	3	7	15	0	0	8	22	1	8	2	4	3	3	2	6	2
		15	1018.7	-	11.1	2.6	9.1	70	5.2	0	6	7	13	5	0	0	0	1	0	3	1	3	9	14	0	0	0	16	14	1	8	7	10	2	0	1	2	0
		21	1019.2	-	8.9	1.5	9.2	80	5.7	0	8	0	14	9	0	0	0	0	0	2	5	5	6	13	0	0	0	5	25	1	5	7	11	2	0	2	2	1
TAYSIDE																																								
USAN	35	9	1019.9	-	9.3	1.2	10.0	85	4.7	0	10	7	3	11	0	0	0	1	0	0	2	4	0	9	15	0	0	7	16	8	4	7	3	2	4	1	2	0
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FIFE																																								
LEUCHARS	12	3	1019.1	-	5.6	0.6	8.4	91	5.3	2	4	7	9	9	0	0	0	0	1	0	1	4	13	11	1	0	0	4	18	9	3	2	2	1	1	7	3	3
		9	1019.4	+ 4.5	9.8	2.1	8.8	73	5.4	0	9	3	10	8	1	0	0	0	1	0	0	1	5	14	10	0	1	6	24	0	1	6	14	0	1	3	4	2
		15	1018.9	-	10.9	2.4	9.3	72	5.1	1	8	4	11	7	0	0	0	0	0	1	1	1	7	15	6	0	0	18	13	0	0	1	22	2	0	3	2	1
		21	1019.6	-	8.2	1.1	9.2	84	5.5	1	7	3	8	12	0	0	0	0	0	2	3	3	5	10	8	0	0	0	7	24	0	3	11	9	0	0	4	2	2
LOTHIAN																																								
TURNHOUSE	44	3	1019.2	-	5.7	0.7	8.3	89	5.0	3	6	2	15	5	0	0	0	0	0	1	1	5	10	12	2	0	0	5	15	11	2	4	6	0	0	5	3	0
		9	1019.5	+ 4.4	9.8	1.9	9.1	75	6.1	0	4	4	14	9	0	0	0	0	0	0	1	1	3	12	13	2	0	1	7	21	2	2	10	7	1	0	3	5	1
		15	1018.7	-	12.2	2.9	9.5	67	5.4	0	8	3	15	5	0	0	0	0	0	1	0	1	7	16	6	0	0	21	10	0	0	18	4	0	0	4	5	0
		21	1019.3	-	8.9	1.4	9.4	81	5.4	0	7	4	13	7	0	0	0	0	0	0	2	8	4	13	4	0	0	0	5	26	0	0	11	8	2	0	5	4	1
6 SCOTLAND W STRATHCLYDE																																								
ABBOTSINCH	9	3	1019.0	-	6.0	0.9	8.2	87	4.6	2	7	8	8	6	0	0	0	0	0	0	0	6	13	11	1	0	0	5	20	6	0	2	12	1	0	5	5	0
		9	1019.2	+ 4.2	10.4	2.2	9.2	72	5.4	0	5	7	15	4	0	0	0	0	0	0	0	3	11	12	5	0	0	7	23	1	2	5	10	1	2	3	4	3
		15	1018.3	-	13.9	4.0	9.2	59	5.2	0	8	5	12	6	0	0	0	0	0	0	0	4	2	16	9	0	0	10	21	0	1	7	8	1	0	5	5	4
		21	1019.0	-	9.9	2.1	9.1	74	4.3	0	11	8	6	6	0	0	0	0	0	0	0	6	6	14	5	0	0	5	24	2	1	4	12	0	0	4	6	2
GLASGOW WEATHER CENTRE (X)	17	3	1019.3	-	-	-	-	-	4.3	4	9	4	10	4	0	0	0	0	0	0	0	5	11	14	1	0	0	0	28	3	0	8	8	3	2	5	2	0
		9	1019.5	-	10.3	2.7	8.3	66	5.6	1	4	7	11	8	0	0	0	0	0	0	0	6	15	7	3	0	0	0	31	0	2	8	7	2	3	6	1	2
		15	1018.5	-	13.9	4.5	8.4	54	5.3	0	8	4	14	5	0	0	0	0	0	0	0	2	7	16	6	0	0	1	29	1	0	14	3	1	3	5	3	1
		21	1019.3	-	10.8	2.7	8.7	68	4.4	1	11	4	10	5	0	0	0	0	0	0	0	4	8	16	3	0	0	0	31	0	1	11	7	0	4	3	4	1
MACHRIHANISH	14	3	1018.7	-	6.8	1.0	8.6	86	4.0	1	12	7	6	5	0	0	0	0	0	0	0	2	5	21	3	0	0	12	18	1	3	1	12	6	1	0	6	1
		9	1019.2	-	10.4	2.0	9.6	76	5.2	0	7	4	17	3	0	0	0	0	0	0	0	0	2	14	5	0	0	15	16	0	1	0	9	4	3	0	8	6
		15	1018.8	-	12.0	2.5	9.9	71	4.5	0	10	6	11	4	0	0	0	0	0	0	0	3	8	12	8	0	1	16	14	0	2	0	3	0	4	0	13	9
		21	1019.1	-	9.1	1.3	9.7	83	4.5	1	9	8	8	5	0	0	0	0	0	0	1	0	7	11	12	0	1	8	20	2	3	2	7	2	0	1	9	5
PRESTWICK	21	3	1019.0	-	5.6	0.7	8.2	89	4.1	0	11	8	9	3	0	0	0	0	0	0	0	5	8	17	1	0	0	7	20	4	3	6	6	4	3	0	4	1
		9	1019.3	+ 4.5	10.7	2.6	8.9	70	4.9	0	8	8	9	6	0	0	0	0	0	0	0	2	10	12	7	0	0	15	13	3	3	4	10	1	1	2	5	2
		15	1018.4	-	13.6	3.8	9.3	60	5.1	0	5	10	11	5	0	0	0	0	0	0	1	1	6	12	11	0	1	18	12	0	1	7	3	1	2	2	15	0
		21	1019.1	-	9.2	1.4	9.5	82	4.5	0	9	9	8	5	0	0	0	0	0	0	0	3	9	11	8	0	0	7	20	4	2	3	5	3	3	2	4	5
RHUVAAL	19	3	1018.9	-	8.5	2.0	8.2	74	3.9	0	16	3	6	6	0	0	0	0	0	0	0	0	1	10	21	0	0	1	25	5	4	0	4	0	11	1	6	0
		9	1019.5	-	10.6	2.7	8.7	68	4.7	1	9	5	11	5	0	0	0	0	0	0	0	0	1	10	20	0	0	3	26	2	7	1	6	4	0	9	2	3
		15	1019.3	-	12.2	3.2	9.0	64	4.6	1	9	6	8	7	0	0	0	0	0	0	0	1	1	10	19	0	1	0	29	1	8	1	4	0	6	0	6	5
		21	1019.6	-	9.9	2.2	8.8	72	4.2	1	11	7	6	6	0	0	0	0	0	0	0	0	1	10	20	0	2	0	24	5	8	1	3	2	4	1	7	0

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

MAY 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT								VISIBILITY								WIND SPEED AND DIRECTION									
									OKTAS																BEAUFORT FORCE									
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	8 OR MORE	6-7	4-5	1-3	CALM	N	NE	E	SE	S	SW	W	NW
										NUMBER OF OBSERVATIONS														SPEED (KT)									
																									34 OR MORE	22-33	11-21	1-10	0							
6 SCOTLAND W-CONTD.																																		
STRATHCLYDE -CONTD.																																		
SLOY	-	3	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	2	29	0	0	0	0	26	5	1	3	2	10	2	4	2
		9	-	-	10.5	2.7	8.5	67	5.1	3	5	6	10	7	0	0	0	0	0	0	0	4	27	0	0	0	1	27	3	1	2	1	12	4	5	3
		15	-	-	13.4	3.9	8.9	60	5.5	0	6	4	13	8	0	0	0	0	0	0	0	6	25	0	0	0	0	2	27	2	1	3	3	4	3	2	10	3
		21	-	-	10.3	2.4	9.0	71	4.6	3	5	8	10	5	0	0	0	0	0	0	0	6	25	0	0	0	0	2	27	2	1	3	3	4	3	2	10	3
TIREE	10	3	1018.5	-	7.6	0.6	9.6	91	4.7	0	8	8	10	5	0	0	0	0	0	0	0	2	2	9	18	0	1	10	16	4	5	3	3	6	3	2	2	3
		9	1019.1	+ 4.8	10.5	1.6	10.3	81	4.7	1	11	2	12	5	0	0	0	0	0	0	1	1	5	7	17	0	1	18	12	0	6	8	4	2	0	8	4	4
		15	1019.0	-	11.9	2.1	10.5	76	5.1	1	7	6	12	5	0	0	0	0	0	0	0	1	5	8	17	0	2	13	16	0	8	1	5	2	3	6	5	1
		21	1019.2	-	8.9	1.0	10.0	86	4.6	0	12	3	11	5	0	0	0	0	0	0	0	2	1	10	18	0	1	9	19	2	11	5	0	0	5	0	3	4
DUMFRIES & GALLOWAY																																		
ESKDALEMUIR	237	3	1019.4	-	3.9	0.8	7.2	88	5.4	3	4	5	8	10	1	0	0	0	2	0	1	6	8	9	5	0	0	2	21	8	10	1	0	2	3	4	3	5
		9	1019.2	+ 4.2	8.7	2.5	8.0	71	5.3	0	8	5	9	9	0	0	0	0	0	0	1	3	7	9	11	0	0	9	20	2	7	6	3	2	4	4	1	2
		15	1018.1	-	11.9	3.9	8.4	61	5.3	0	5	8	13	5	0	0	0	0	0	0	4	4	7	16	0	0	0	9	22	0	3	9	4	2	3	4	5	1
		21	1019.5	-	6.9	1.6	7.9	79	4.8	3	5	7	10	6	0	0	0	0	0	0	4	4	15	8	0	0	0	2	23	6	5	5	1	0	1	4	3	6
2 ENGLAND E & NE																																		
NORTHUMBERLAND																																		
BOULMER	27	3	1018.9	-	5.9	0.5	8.6	92	5.3	3	6	2	9	11	0	0	0	0	0	3	1	11	5	7	4	0	0	4	25	2	6	2	0	0	5	3	6	7
		9	1019.2	-	9.3	1.4	9.6	82	5.4	0	7	7	6	11	0	0	0	0	0	1	2	6	3	10	9	0	0	0	22	0	10	7	3	2	0	4	2	3
		15	1019.1	-	10.1	1.7	9.8	79	5.3	1	6	5	10	9	0	0	0	0	0	1	1	7	6	5	11	0	0	0	10	21	0	10	5	7	4	0	4	1
		21	1019.6	-	7.5	0.8	9.3	89	5.2	2	5	5	13	6	0	0	0	0	1	0	0	7	6	14	3	0	0	0	4	25	2	8	3	4	3	3	5	1
SEAHOUSES	12	3	1018.9	-	-	-	-	-	5.1	1	8	5	7	10	0	0	1	0	0	0	1	10	5	14	0	0	0	0	6	22	3	4	6	3	0	2	5	6
		9	1019.1	-	-	-	-	-	5.3	0	8	6	6	10	1	0	0	0	0	1	2	1	7	4	15	1	0	1	7	22	1	11	6	6	3	2	1	3
		15	1019.0	-	-	-	-	-	5.2	1	6	7	8	9	0	0	0	0	1	0	0	9	7	10	4	0	0	0	6	25	0	7	6	6	2	3	3	2
		21	1019.4	-	-	-	-	-	5.4	2	5	5	9	9	1	0	0	0	1	0	0	10	5	15	0	0	0	0	4	25	2	7	2	4	3	5	5	3
TYNE & WEAR																																		
NEWCASTLE	72	3	1019.1	-	7.2	1.2	8.5	83	5.3	1	8	2	11	9	0	0	0	0	0	0	2	8	13	8	0	0	0	0	22	9	9	3	1	0	2	4	2	1
WEATHER CENTRE	(X)	9	1019.4	-	9.9	2.4	8.5	70	5.5	0	7	4	10	10	0	0	0	0	0	0	3	6	7	10	5	0	0	0	4	27	0	4	12	2	1	1	3	6
		15	1019.2	-	11.8	3.3	8.5	62	4.8	2	6	9	6	8	0	0	0	0	0	0	0	3	8	16	4	0	0	0	7	24	0	1	10	10	2	4	3	2
		21	1019.7	-	9.3	2.0	8.6	74	5.2	1	6	6	11	7	0	0	0	0	0	0	1	9	14	7	0	0	0	1	29	1	6	5	6	4	2	4	2	1
TYNEMOUTH	40	3	1019.5	-	7.7	0.9	9.2	88	5.4	4	2	5	11	9	0	0	0	0	0	0	0	4	17	10	0	0	0	0	9	19	3	12	4	1	0	5	2	4
		9	1019.8	+ 4.2	9.3	1.4	9.6	82	5.5	3	2	7	9	8	2	0	0	2	0	0	0	2	4	13	10	0	0	0	1	13	15	2	14	5	2	3	1	4
		15	1019.8	-	10.0	1.5	9.9	81	5.1	4	3	8	6	10	0	0	0	0	0	0	0	5	13	13	0	0	0	1	11	18	1	8	5	8	3	1	2	1
		21	1020.1	-	8.8	1.2	9.5	84	5.5	2	4	6	10	9	0	0	0	0	0	0	2	1	20	8	0	0	0	1	8	22	1	10	2	5	1	6	3	3
NORTH YORKSHIRE																																		
LEEMING	33	3	1018.9	-	6.2	0.8	8.4	88	5.2	3	5	4	9	10	0	0	0	0	0	2	1	9	8	6	5	0	0	2	26	3	11	1	1	1	3	3	2	6
		9	1019.2	+ 3.7	10.1	2.1	9.2	74	5.5	2	7	0	13	9	0	0	0	0	0	0	1	6	10	6	8	0	0	0	14	16	1	15	6	4	1	2	4	1
		15	1018.7	-	13.0	3.9	8.6	58	4.7	2	8	3	13	5	0	0	0	0	0	0	1	3	5	7	15	0	0	0	20	10	1	8	8	4	1	4	1	1
		21	1019.6	-	9.0	1.7	8.9	78	5.4	2	5	4	13	7	0	0	0	0	0	0	1	6	6	12	6	0	0	0	3	28	0	14	2	3	3	1	3	4
WHITBY C.G.	66	3	1019.1	-	7.1	0.8	9.0	88	6.2	1	4	5	3	18	0	0	0	0	0	0	0	8	6	9	8	0	0	0	6	21	4	1	8	3	1	6	3	0
		9	1019.4	-	9.4	1.4	9.6	82	5.7	2	3	6	9	11	0	0	0	0	0	2	1	5	6	13	4	0	0	1	10	19	1	3	11	0	4	2	2	5
		15	1019.5	-	10.4	1.7	9.9	79	5.4	2	4	6	9	10	0	0	0	0	0	2	3	8	13	5	0	0	1	8	20	2	2	8	4	4	3	2	2	4
		21	1019.9	-	8.3	1.2	9.2	84	5.5	0	7	6	5	13	0	0	0	2	0	0	4	4	18	3	0	0	0	7	20	4	1	9	1	4	5	3	0	4
HUMBERSIDE																																		
SPURN POINT	20	3	1018.3	-	8.1	1.0	9.3	86	4.6	4	7	3	7	10	0	0	0	0	0	0	1	1	14	15	0	0	0	0	15	13	3	7	10	1	1	3	2	3
		9	1018.9	-	10.2	1.8	9.6	77	4.9	2	6	6	10	7	0	0	0	0	0	0	1	0	5	15	10	0	0	0	16	13	2	6	9	3	2	0	1	2
		15	1019.0	-	11.3	2.4	9.5	71	5.2	1	5	9	9	7	0	0	0	0	0	0	1	1	16	13	0	0	0	1	20	9	1	8	9	5	2	1	3	3
		21	1019.4	-	8.9	1.3	9.4	82	5.4	1	4	10	7	9	0	0	0	0	0	0	0	3	18	10	0	0	0	0	17	11	3	5	9	4	1	3	3	0
LINCOLNSHIRE																																		
BINBROOK	112	3	1018.3	-	6.5	0.6	8.9	91	5.5	4	2	5	9	11	0	0	0	0	0	0	2	1	11	9	8	0	0	0	7	23	1	10	8	1	1	2	5	3
		9	1018.7	-	9.9	1.9	9.3	77	5.3	1	6	5	14	5	0	0	0	0	0	0	0	3	11	15	2	0	0	0	23	8	0	2	14	2	1	1	7	4
		15	1018.7	-	11.3	2.8	9.0	68	5.0	1	7	6	11	6	0	0	0	0	0	0	1	0	7	21	2	0	0	1	21	9	0	3	13	5	0	1	2	5
		21	1019.4	-	7.7	1.0	9.0	86	5.8	1	4	3	14	9	0	0	0	0	0	0	4	8	6	13	0	0	0	0	12	19	0	5	10	5	1	3	2	3
WADDINGTON	70	3	1018.0	-	6.8	0.7	8.9	90	5.0	5	3	6	7	10	0	0	0	0	1	0	5	8	10	7	0	0	0	0	10	21	0	11	6	2	1	2	5	3
		9	1018.6	+ 2.8	10.7	2.2	9.4	73	4.8	3	6	5	12	5	0	0	0	0	0	0	2	8	13	8	0	0	2	19	10	0	2	14	1	1	2	3	4	4
		15	1018.2	-	12.7	3.4	9.1	62	4.7	5	4	5	11	6	0	0	0	0	0	0	0	4	15	12	0	0	2	19	10	0	2	14	1	2	3	3	4	4
		21	1019.1	-	8.4	1.3	9.1	83	5.1	2	6	6	11	6	0	0	0	0	0	1	5	9	13	3	0	0	0	9	21	1	6	11	2	2	3	5	0	1
3 EAST ANGLIA																																		
NORFOLK																																		
COLTISHALL	17	3	1017.1	-	7.9	0.8	9.5	89	5.6	4	4	1	12	9	1	0	0	1	0	0	1	3	6	10	10	0	0	0	8	20	3	5	8	3	1	1	4	4
		9	1017.8	-	11.2	2.0	10.0	75	5.5	3	3	5	14	6	0	0	0	0	0	0	0	7	7	12	5	0	0	1	21	10	0	4	11	3	1	2	4	3
		15	1017.8	-	12.1	2.8	9.5	68	5.2	1	6	7	10	7	0	0	0	0	0	0	0	3	10	10	8	0	0	1	20	10	0	6	10	5	2	1	4	3
		21	1018.2	-	8.9	1.4	9.3	82	4.6	3	6	6	9	7	0	0	0	0	0	0	2	5	8	11	5	0	0	0	8	22	1	5	11	3	1	4	3	1
MARHAM	24	3	1017.4	-	7.5	0.5	9.6	92	5.0	3	6	4	7	11	0	0	0	0	0	0	0	2	11	5	12	1	0	0	7	23	1	5	8	5	2	3	5	0
		9	1018.0	+ 2.1	11.4	2.0	10.3	76	5.1	3	5	6	12	5	0	0	0	0	0	0	2	3	10	10	8	0	0	0	20	11	0	3	12	5	0	1	2	2
		15	1017.9	-	13.0	3.0	10.0	68	5.1	1	6	6	11	7	0	0	0	0	0	0	0	3	5	13	10	0	1	1	20	10	0	5	11	5	1	1	3	2
		21	1018.6	-	9.0	1.1	9.8	85	5.3	2	7	3	9	10	0	0	0	0	0	1	0	5	9	12	4	0	0	0	10	21	0	2	14	3	2	4	2	2
CAMBRIDGESHIRE																																		
WITTERING	76	3	1017.8	-	6.9	0.8	8.9	89	5.7	2	4	4	12	9	0	0	0	0	0	1	0	1	13	11	4	1	0	0	12	18	1	11	6	0	2	1	3	7
		9	1018.4	+ 2.5	10.6	2.3	9.3	72	5.3	2	6	5	11	7	0	0	0	0	0	0	0	2	11	15	3	0	2	18	11	0	2	14	2	2	1	5	3	2
		15	1017.9	-	13.1	3.8	8.8	58	5.3	1	6	4	12	8	0	0	0	0	0	0	0	1	6	15	9	0	2	16	8	0	2	16	2	2	1	4	2	2
		21	1018.9	-	9.0	1.5	9.2	80	4.9	0	9	7	10	5	0	0	0	0	0	0	1	8	7	14	1	0	0	0	16	15	0	3	15	2	1	1	3	4
WYTON	43	3	1017.6	-	6.9	0.6	9.2	92	5.4	3	3	6	11	8	0	0	0	0	2	0	3	12	8	6	0	0	0	0	11	19	1	9	8	1	0	2	6	3
		9	1018.1	-	11.2	2.1	10.0	75	5.4	2	5	3	15	6	0	0	0	0	0	0	0	4	11	12	4	0	0	0	18	13	0	6	10	3	2	0	3	2
		15	1017.8	-	13.7	3.5	9.9	63	5.5	1	5	5	14	6	0	0	0	0	0	0	0	1	4	18	8	0	0	2	22	7	0	5	13	3	0	1	3	3
		21	1018.6	-	9.0	1.4	9.5	82	5.1	2	7	4	12	6	0	0	0	0	0	0	0	7	6	15	3	0	0	0	9	22	0	7	10	2	1	2	6	2
SUFFOLK																																		
ALDEBURGH	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1018.2	-	-	-	-	-	4.6	10	1	2	6	12	0	0	1	0	0	0	1	7	22	0	0	1	10	7	12	1	4	14	1	1	2	5	2	1
HONINGTON	51	3	1017.1	-	6.9	0.7	9.1	90	5.5	2	5	5	6	13	0	0	0	0	0	0	2	14	10	5	0	0	0	4	23	4	8	7	2	0	3	3	4	2
		9	1017.5	-	11.5	2.4	9.7	72	5.0	2	6	6	13	4	0	0	0	0	0	0	0	6	4	17	4	0	0	0	18	13	0	6	9	2	2	1	5	3
		15	1017.4	-	13.3	3.9	8.8	59	5.0	1	8	6	8	8	0	0	0	0	0	1	0	2	4	11	13	0	0	1	23	7	0	5	11	5	0	1	4	3
		21	1018.2	-	8.8	1.4	9.2	81	5.1	2	6	3	13	7	0	0	0	0	0	0	1	7	7	13	3	0	0	0	7	24	0	9	9	2	1	3	5	1
WATTISHAM	91	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1017.3	-	11.2	2.0	10.2	76	5.1	2	7	2	17	3	0	0	0	0	0	0	1	0	3	16	11	0	0	0	1	23	7	0	9	7	2	2	2	3
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BEDFORDSHIRE																																		
CARDINGTON	30	3	1017.6	-	6.5	0.3	9.3	95	5.4	4	3	3	12	9	0	0	0	0	0	1	0	3	11	11	5	0	0	0	5	26	0	3	14	1	1	0	6	4
		9	1018.0	+ 1.9	11.4	2.1	10.2	75	5.5	2	3	7	14	5	0	0	0	0	0	0	1	6	17	5	2	0	0	1	19	12	0	2	12	5	1	2	3	4
		15	1017.4	-	14.4	3.9	9.8	60	5.7	1	4	5	15	6	0	0	0	0	0	0	0	1	15	13	2	0	1	1	21	9	0	2	13	6	2	1	3	2
		21	1018.5	-	9.1	1.2	9.7	84	5.0	2	6	5	10	8	0	0	0	0	0	0	0	5	16	10	0	0	0	8	23	0	0	16	2	1	1	8	1	2

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

MAY 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: DEPRESSION OF WET BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: VAPOUR PRESSURE (MB)	MEAN TEMPERATURE AND HUMIDITY: RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	CLOUD AMOUNT OKTAS: NUMBER OF OBSERVATIONS 0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: NUMBER OF OBSERVATIONS 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
3 EAST ANGLIA -CONTD.																																									
ESSEX																																									
SHOEBURYNESS	5	9	1017.1	+ 0.7	11.7	1.7	11.0	80	5.1	1	7	6	10	7	0	0	0	0	0	0	1	4	10	14	2	0	0	19	12	0	4	11	3	2	3	3	4	1
		15	1017.0	-	12.9	2.3	11.0	74	5.2	2	5	6	11	7	0	0	0	0	0	0	0	4	12	10	5	0	2	20	9	0	2	14	3	2	1	4	2	3
		21	1017.5	-	9.9	1.2	10.4	85	4.9	4	5	4	8	10	0	0	0	0	0	0	0	4	12	10	5	0	0	17	14	0	5	12	2	1	1	6	1	3
STANSTED	102	3	1016.9	-	7.0	0.6	9.2	91	5.4	3	5	3	8	11	1	0	0	1	0	2	1	14	7	5	1	0	0	5	24	2	7	6	4	0	2	6	2	2
		9	1017.3	+ 1.2	11.3	2.1	10.0	75	4.9	3	6	6	11	5	0	0	0	0	0	0	0	1	4	8	13	5	0	0	19	12	0	5	10	5	2	0	4	4	1
		15	1016.8	-	13.9	3.8	9.4	60	5.1	2	6	4	14	5	0	0	0	0	0	0	0	2	5	14	10	0	1	21	8	1	1	6	12	1	1	4	3	2
		21	1017.9	-	9.3	1.6	9.3	79	4.7	1	11	2	9	8	0	0	0	0	0	0	0	8	3	15	5	0	0	8	23	0	2	14	2	2	4	4	1	2
4 MIDLAND COUNTIES																																								
WEST YORKSHIRE																																								
HUDDERSFIELD	235	3	1018.4	-	5.6	1.1	7.6	83	6.6	1	0	5	11	14	0	0	0	0	0	1	8	7	12	3	0	0	0	5	25	1	1	9	7	1	3	1	4	4
OAKES		9	1018.9	-	9.4	2.0	8.8	75	5.7	5	0	3	14	9	0	0	0	0	0	2	2	13	7	7	0	0	0	9	21	1	3	13	2	1	1	5	3	2
		15	1018.5	-	12.8	3.5	9.0	63	5.1	3	3	6	14	5	0	0	0	0	0	0	0	2	10	18	1	1	2	12	16	0	2	16	1	3	1	2	4	2
		21	1019.1	-	8.4	1.7	8.5	78	5.0	4	3	6	11	7	0	0	0	0	0	1	1	3	8	18	0	0	1	10	16	4	0	9	6	1	3	1	6	1
WILSDEN	267	3	1019.0	-	5.3	0.8	7.8	88	5.2	2	5	6	8	10	0	0	0	0	0	0	0	4	27	0	0	0	0	5	20	6	3	8	4	0	0	4	5	1
		9	1019.0	-	8.5	1.7	8.5	77	5.4	3	4	5	10	9	0	0	0	0	0	0	2	3	17	9	0	0	0	18	12	1	2	14	4	1	0	2	6	1
		15	1018.4	-	11.6	3.4	8.2	62	5.1	1	7	6	7	10	0	0	0	0	0	1	0	2	14	14	0	0	1	15	13	2	1	6	11	0	4	1	5	1
		21	1019.6	-	7.4	1.5	8.1	79	4.6	2	8	6	5	10	0	0	0	0	0	0	1	2	22	6	0	0	0	6	22	3	1	10	7	0	1	2	6	1
SOUTH YORKSHIRE																																								
FINNINGLEY	15	3	1018.4	-	6.8	0.8	8.8	89	5.2	3	5	5	8	10	0	0	0	0	0	0	5	8	6	10	2	0	0	1	30	0	16	1	0	1	2	2	6	3
		9	1018.8	+ 3.1	11.3	2.4	9.5	71	5.5	1	6	3	12	9	0	0	0	0	0	0	0	1	13	12	5	0	0	10	21	0	7	9	2	1	3	3	4	2
		15	1018.4	-	13.6	4.0	8.8	58	4.8	2	7	6	8	8	0	0	0	0	0	0	0	0	8	16	7	0	0	16	15	0	0	13	4	2	2	3	3	4
		21	1019.2	-	8.8	1.5	9.1	80	4.9	1	9	5	9	7	0	0	0	0	0	0	1	3	11	10	6	0	0	0	30	1	7	8	6	2	2	3	1	1
NOTTINGHAMSHIRE																																								
WATNALL	119	3	1018.0	-	6.5	0.8	8.6	88	4.9	3	9	1	8	10	0	0	0	0	0	0	0	5	8	15	3	0	0	0	9	21	1	9	8	1	0	1	5	6	0
		9	1018.4	+ 2.8	10.6	2.3	9.2	72	5.3	1	5	4	15	6	0	0	0	0	0	0	0	6	19	6	0	0	0	16	14	1	4	12	2	2	1	4	3	2
		15	1017.8	-	13.3	3.7	9.1	60	4.9	1	9	4	10	7	0	0	0	0	0	0	0	3	8	15	5	0	1	18	12	0	0	16	3	0	3	4	4	1
		21	1018.8	-	8.8	1.6	8.9	79	4.9	1	7	7	11	5	0	0	0	0	0	1	0	11	14	5	0	0	0	12	17	2	0	18	0	1	3	5	1	1
SALOP																																								
SHAWBURY	76	3	1018.2	-	5.8	0.8	8.3	89	4.5	5	6	5	9	6	0	0	0	0	1	0	1	7	11	11	0	0	0	4	26	1	9	6	1	1	2	3	3	5
		9	1018.3	+ 2.6	10.9	2.4	9.2	71	4.8	1	7	5	13	5	0	0	0	0	0	0	2	6	9	13	1	0	0	10	21	0	5	10	5	1	2	3	3	2
		15	1017.5	-	14.3	4.1	9.4	59	5.0	2	5	7	14	3	0	0	0	0	0	0	1	2	6	19	3	0	1	16	14	0	4	4	11	0	1	3	4	2
		21	1018.6	-	9.5	2.0	8.9	74	4.8	1	9	5	9	7	0	0	0	0	0	0	1	3	13	13	1	0	0	4	27	0	4	7	9	0	1	4	4	2
WEST MIDLANDS																																								
EDGBASTON	165	9	1018.3	+ 2.3	9.8	2.5	8.3	68	5.3	1	4	7	15	4	0	0	0	0	0	0	0	9	16	6	0	0	0	9	21	1	3	12	2	1	2	3	3	4
		15	1017.4	-	13.9	4.8	7.8	50	5.4	1	6	3	17	4	0	0	0	0	0	0	0	3	10	15	3	0	0	0	11	20	0	4	12	5	1	2	1	4	2
		21	1018.6	-	10.3	2.9	8.0	64	4.7	0	9	8	8	6	0	0	0	0	0	1	0	2	15	13	0	0	0	0	2	28	1	4	12	5	2	0	3	4	0
ELMDON	100	3	1018.0	-	6.1	0.8	8.3	88	4.8	1	9	6	8	7	0	0	0	0	0	0	0	0	10	16	5	0	0	0	5	23	3	11	5	0	1	2	4	2	3
		9	1018.3	+ 2.4	10.3	2.3	8.9	71	5.4	0	7	3	17	4	0	0	0	0	0	0	0	3	21	7	0	0	0	0	17	14	0	2	12	5	2	1	3	2	4
		15	1017.5	-	14.0	4.4	8.6	55	5.3	0	7	4	16	4	0	0	0	0	0	0	0	1	12	15	3	0	2	19	10	0	2	13	4	0	4	3	1	4
		21	1018.7	-	9.3	2.1	8.5	72	4.3	0	12	6	10	3	0	0	0	0	0	0	0	3	15	13	0	0	0	5	25	1	1	15	2	2	2	4	1	3
HEREFORD & WORCESTER																																								
PERSHORE	36	3	1017.7	-	6.3	0.8	8.5	88	5.0	4	4	6	10	7	0	0	0	0	0	0	0	1	10	13	7	0	0	0	5	24	2	6	9	3	0	4	4	3	0
		9	1018.1	-	10.9	2.2	9.6	74	5.3	2	4	4	17	4	0	0	0	0	0	0	0	4	14	13	0	0	0	18	12	1	4	12	3	1	2	3	3	2
		15	1017.2	-	15.0	4.3	9.6	58	5.3	1	6	4	15	5	0	0	0	0	0	0	0	0	7	18	6	0	2	20	9	0	3	12	4	1	2	3	4	2
		21	1018.3	-	9.9	1.9	9.3	76	4.7	0	11	4	11	5	0	0	0	0	0	0	0	2	11	15	3	0	0	10	20	1	3	13	3	0	1	7	2	1
GLOUCESTER																																								
INNSWORTH	24	3	1017.5	-	6.5	0.8	8.7	89	4.7	2	8	4	11	6	0	0	0	0	0	0	0	2	5	15	7	2	0	0	2	24	5	9	7	0	0	6	1	2	1
		9	1017.9	-	10.6	2.1	9.5	74	5.1	1	7	4	14	5	0	0	0	0	0	0	1	8	9	8	5	0	0	16	15	0	6	11	1	0	6	2	2	3
		15	1017.1	-	14.7	4.1	9.6	58	5.2	1	7	5	14	4	0	0	0	0	0	0	0	1	9	12	9	0	0	19	12	0	1	15	2	0	5	4	1	3
		21	1018.1	-	10.5	2.1	9.4	74	4.8	0	10	4	14	3	0	0	0	0	0	0	0	4	12	12	3	0	0	5	26	0	5	13	2	1	4	5	0	1
OXFORDSHIRE																																								
BENSON	74	3	1017.2	-	6.9	0.7	9.0	89	5.3	1	8	4	6	11	1	0	0	1	1	0	0	7	11	9	2	0	0	6	18	7	8	6	3	0	3	1	3	0
		9	1017.6	-	11.1	2.4	9.4	71	4.7	3	8	3	10	7	0	0	0	1	0	0	0	4	9	10	7	0	0	17	13	1	8	10	2	0	1	3	4	2
		15	1016.8	-	14.9	4.5	9.3	56	5.6	1	5	4	16	5	0	0	0	0	0	0	0	2	5	13	11	0	0	21	10	0	8	10	3	0	1	4	2	3
		21	1018.1	-	10.2	2.1	9.1	74	4.9	1	7	5	12	6	0	0	0	0	0	0	0	1	9	17	4	0	0	7	23	1	8	10	1	0	5	3	1	2
BRIZE NORTON	92	3	1017.6	-	6.7	0.9	8.6	86	5.0	2	8	5	5	11	0	0	0	0	1	0	2	7	13	8	0	0	0	8	21	2	4	14	1	0	1	3	5	1
		9	1018.0	-	10.7	2.5	9.0	70	5.0	2	7	3	15	4	0	0	0	0	0	1	0	5	9	13	3	0	1	17	12	1	1	14	3	3	0	5	1	3
		15	1017.2	-	14.3	4.5	8.6	53	5.2	1	5	7	14	4	0	0	0	0	0	0	0	2	5	17	7	0	3	22	6	0	1	10	7	1	1	3	5	3
		21	1018.3	-	9.9	2.1	8.9	73	4.7	2	9	3	12	5	0	0	0	0	0	0	0	1	8	20	2	0	0	14	17	0	3	13	5	0	1	7	1	1
5 ENGLAND SE & CENT. S.																																								
GREATER LONDON																																								
HEATHROW	26	3	1016.9	-	8.1	0.9	9.5	88	4.3	5	6	6	5	9	0	0	0	0	0	0	0	1	12	9	9	0	0	0	7	23	1	9	7	1	1	3	2	5	2
		9	1017.4	+ 1.2	12.1	2.5	10.0	71	4.5	3	8	4	12	4	0	0	0	0	0	0	0	1	7	11	11	1	0	0	15	16	0	6	12	1	2	2	4	3	1
		15	1016.8	-	15.1	4.3	9.7	58	5.5	0	6	5	14	6	0	0	0	0	0	0	0	1	12	15	3	0	2	19	10	0	4	10	7	0	3	2	2	3
		21	1017.9	-	11.4	2.4	9.5	72	4.9	1	7	6	12	5	0	0	0	0	0	0	0	3	15	12	1	0	0	15	16	0	9	6	4	0	4	6	1	1
KEW	10	3	1017.1	-	7.5	1.5	8.4	81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1017.5	+ 1.3	11.9	3.5	8.8	63	4.7	3	7	3	13	5	0	0	0	0	0	0	0	1	4	17	9	0	0	0	15	14	2	3	13	2	2	0	5	2	2
		15	1016.9	-	14.4	5.1	8.4	52	5.1	0	10	2	13	6	0	0	0	0	0	0	0	0	1	10	17	3	0	0	19	12	0	0	13	7	0	3	3	2	3
		21	1018.1	-	10.9	3.3	8.4	65	4.7	1	10	4	11	5	0	0	0	0	0	0	0	2	13	16	0	0	0	8	22	1	3	13	3	0	3	6	1	1
LONDON	24	3	1016.8	-	9.2	1.7	9.1	78	4.5	6	5	5	7	8	0	0	0	0	0	0	0	8	15	8	0	0	0	11	20	0	12	7	1	0	3	4	4	0
WEATHER CENTRE (X)		9	1017.3	-	12.2	3.3	8.9	62	4.8	5	5	3	11	7	0	0	0	0	0	0	1	3	18	9	0	0	0	16	15	0	8	10	2	1	0	4	5	2
		15	1016.7	-	15.1	5.1	8.2	49	5.4	1	5	5	14	6	0	0	0	0	0	0	0	3	8	17	3	0	0	24	7	0	3	13	2	0	3	3	2	3
		21	1017.8	-	11.5	3.1	8.6	64	5.1	2	6	5	8	10	0	0	0	0	0	0	0	4	11	15	1	0	0	19	12	0	6	12	1	1	3	3	2	3
WILTSHIRE																																								
BOSCOMBE DOWN	128	3	1016.9	-	6.6	1.0	8.5	86	4.4	4	6	8	7	6	0	0	0	0	0	0	0	0	6	12	13	0	0	0	12	17	2	4	8	4	1	0	2	5	5
		9	1017.3	+ 0.9	10.8	2.3	9.3	72	5.0	2	6	5	14	4	0	0	0	0	0	0	0	0	5	8	12	6	0	0	17	13	1	3	15	1	1	1	3	3	3
		15	1016.5	-	14.4	4.4	9.0	56	5.3	2	4	6	15	4	0	0	0	0	0	0	0	0	1	3	18	9	0	1	20	10	0	1	8	9	0	2	6	4	1
		21	1017.7	-	10.2	2.3	8.9	72	5.0	1	6	7	13	4	0	0	0	1	0	0	0	0	3	11	12	4	0	0	12	18	1	3	10	5	0	1	4	5	2
LYNEHAM	149	3	1017.4	-	6.3	0.7	8.6	89	4.8	2	7	7	7	8	0	0	0	0	0	1	3	6	13	8	0	0	0	15	16	0	6	13	0	1	3	3	3	2
		9	1017.7	+ 1.4	10.0	1.8	9.5	77	5.4	1	5	4	17	4	0	0	0	0	0	1	2	6	7	9	6	0	0	20	10	0	3	16	2	0	1	4	2	3
		15	1016.8	-	14.1	3.9	9.4	59	5.6	1	4	3	20	3	0	0	0	0	0	0	0	0	5	19	7	0	3	19	8	1	2	15	3	0	1	3	4	2
		21	1018.0	-	9.7	2.0	9.0	75	4.7	0	10	4	14	3	0	0	0	0	0	0	0	3	8	15	5	0	0	16	15	0	2	14	3	0	4	2	4	2
UPAVON	183	9	1017.4	-	10.3	1.9	9.6	76	5.0	1	9	2	14	5	0	0	0	0	0	0	0	0	7	12	10	2	0	0	19	11	1	1	14	3	2	1	1	4	4
		15	1016.6	-	14.3	3.8	9.8	61	5.5	2	3	4	17	5	0	0	0	0	0	0	0	0	3	6	13	9	0	0	20	10	1	1	12	4	1	1	4	5	2
		21	1018.0	-	9.6	1.7	9.4	78	5.0	0	10	3	14	4	0	0	0	0	0	0	0	0	4	9	17	1	0	0	12	16	3	2	13	3	0	0	2	6	2

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

MAY 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT								VISIBILITY								WIND SPEED AND DIRECTION																	
									OKTAS																BEAUFORT FORCE																	
																									SPEED (KT)																	
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	8 OR MORE	6-7	4-5	1-3	CALM	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																																			
5 ENGLAND SE & CENT. S.			-CONTD.																																						
KENT																																									
DUNGENESS	7	3	1015.8	-	-	-	-	-	5.2	2	6	7	4	10	2	0	0	0	2	0	0	3	8	18	0	0	3	16	11	1	4	11	1	0	1	4	6	3
		9	1016.5	-	11.9	1.9	10.8	77	5.2	2	5	5	13	6	0	0	0	0	0	0	2	5	14	10	0	0	4	19	8	0	3	12	5	1	2	3	2	3
		15	1016.4	-	-	-	-	-	5.1	2	7	5	8	9	0	0	0	0	0	0	0	8	11	12	0	0	0	8	19	4	0	3	13	4	0	1	3	5	2	1
		21	1016.8	-	-	-	-	-	5.5	2	6	4	6	13	0	0	0	0	0	1	0	3	12	15	0	0	0	5	18	7	1	3	14	3	0	2	4	3	1
MANSTON	45	3	1016.3	-	8.6	0.9	9.8	88	5.3	1	5	8	11	6	0	0	0	0	0	0	0	7	9	13	2	0	1	15	13	2	3	10	4	0	3	6	1	2
		9	1017.0	-	11.5	1.9	10.5	78	5.2	1	6	7	11	6	0	0	0	0	0	0	0	5	16	8	2	0	3	18	10	2	0	4	10	5	2	0	5	2	3
		15	1016.9	-	12.5	2.5	10.4	71	5.0	0	9	6	8	8	0	0	0	0	0	0	0	7	11	10	3	0	4	22	5	0	0	4	16	1	0	2	4	2	2
		21	1017.4	-	9.6	1.3	10.0	84	4.8	2	9	3	9	8	0	0	0	0	0	0	1	8	11	9	2	0	1	20	10	0	5	13	4	0	3	4	1	1
HAMPSHIRE																																									
SOUTHAMPTON	9	3	1016.5	-	8.6	1.4	9.1	81	4.1	7	5	6	4	9	0	0	0	0	0	1	0	3	11	16	0	0	0	5	24	2	4	12	1	0	0	2	6	4
WEATHER CENTRE (X)		9	1017.0	-	12.2	3.0	9.3	65	5.0	3	7	2	11	8	0	0	0	0	0	0	1	0	10	20	0	0	0	9	21	1	3	11	2	0	1	5	2	6
		15	1016.4	-	15.6	4.8	9.3	54	5.3	1	6	6	12	6	0	0	0	0	0	0	1	1	7	22	0	0	0	15	16	0	0	9	4	5	1	5	2	5
		21	1017.3	-	12.2	3.0	9.2	66	5.2	0	7	5	11	8	0	0	0	0	0	2	0	3	7	19	0	0	0	8	23	0	3	11	3	0	1	3	8	2
WEST SUSSEX																																									
GATWICK	60	3	1016.7	-	7.0	0.7	9.1	90	4.4	5	6	4	7	9	0	0	0	0	1	2	2	12	9	5	0	0	0	5	19	7	6	8	0	0	3	4	2	1
		9	1017.0	+ 0.7	11.7	2.5	9.8	72	5.0	2	7	3	13	6	0	0	0	0	0	0	1	5	8	15	2	0	0	18	13	0	2	15	3	0	1	5	2	3
		15	1016.6	-	14.3	4.1	9.3	59	5.2	1	6	8	8	8	0	0	0	0	0	0	1	1	9	16	4	0	0	2	20	9	0	1	10	9	0	2	4	2	3
		21	1017.5	-	10.1	2.0	9.3	76	5.4	0	8	4	9	10	0	0	0	0	0	0	1	4	13	11	2	0	0	10	20	1	3	11	3	1	2	5	4	1
EAST SUSSEX																																									
HERSTMONCEUX	28	3	1016.5	-	7.7	0.7	9.7	91	4.9	2	8	6	6	9	0	0	0	0	0	0	2	8	19	2	0	0	0	11	17	3	13	5	0	1	0	6	2	1
		9	1017.1	-	12.0	2.1	10.5	75	4.9	3	5	6	10	7	0	0	0	0	0	0	2	3	7	17	2	0	1	17	13	0	9	9	1	1	1	5	5	0
		15	1016.8	-	13.6	3.1	10.5	68	5.3	1	6	5	11	8	0	0	0	0	0	0	0	3	7	13	8	0	0	4	19	8	0	4	11	3	1	3	6	2	1
		21	1017.4	-	9.7	1.3	10.0	83	5.4	2	5	3	11	10	0	0	0	0	1	0	0	4	12	12	2	0	0	15	15	1	14	5	0	0	2	5	2	2
7A ENGLAND NW & I.O.M.																																									
CUMBRIA																																									
CARLISLE	28	3	1019.0	-	5.8	0.7	8.4	90	4.8	4	6	3	11	7	0	0	0	0	0	0	0	3	12	16	0	0	0	3	25	3	0	4	15	1	0	1	7	0
		9	1019.2	+ 3.9	10.3	2.0	9.4	75	5.0	0	7	7	11	6	0	0	0	0	0	0	0	2	5	14	10	0	0	7	24	0	1	6	11	3	1	1	7	1
		15	1018.3	-	13.7	3.5	9.9	63	5.2	0	8	3	15	5	0	0	0	0	0	0	0	0	5	10	16	0	0	10	20	1	1	0	15	2	1	0	9	2
		21	1019.1	-	9.2	1.5	9.3	80	5.0	3	4	7	14	3	0	0	0	0	0	0	0	3	7	16	5	0	0	2	29	0	1	0	15	3	0	1	6	5
LANCASHIRE																																									
SQUIRES GATE	11	3	1018.4	-	6.4	0.8	8.5	88	4.7	4	7	2	13	5	0	0	0	0	0	1	1	2	12	14	1	0	0	6	25	0	1	7	11	2	0	1	5	4
		9	1018.9	+ 3.5	11.4	2.1	10.2	75	4.7	3	5	10	8	5	0	0	0	0	0	0	0	2	9	17	3	0	0	17	14	0	3	2	14	2	2	1	5	2
		15	1018.3	-	13.9	3.3	10.4	66	4.7	1	9	4	15	2	0	0	0	0	0	0	0	0	6	19	6	0	0	18	12	0	2	3	10	0	2	1	6	7
		21	1018.9	-	9.6	1.6	9.6	79	4.5	5	6	5	11	4	0	0	0	0	0	0	1	6	11	12	1	0	1	11	19	0	2	3	14	0	1	2	7	2
MERSEYSIDE																																									
SPEKE	24	3	1018.7	-	7.3	1.1	8.7	84	4.6	2	7	7	11	4	0	0	0	0	0	0	0	8	13	9	1	0	0	3	27	1	1	9	6	2	4	0	3	5
		9	1019.0	+ 3.5	11.3	2.5	9.4	70	4.5	3	9	5	8	6	0	0	0	0	0	0	0	5	10	14	2	0	0	8	23	0	3	7	7	2	4	2	3	3
		15	1018.3	-	14.4	4.1	9.4	58	4.5	0	8	8	14	1	0	0	0	0	0	0	0	3	6	12	10	0	0	9	22	0	2	2	11	1	3	0	5	7
		21	1019.2	-	9.9	1.9	9.2	76	4.2	1	12	5	8	5	0	0	0	0	0	0	0	5	10	15	1	0	1	2	26	2	1	2	15	0	0	3	3	5
GREATER MANCHESTER																																									
MANCHESTER	42	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEATHER CENTRE (X)		9	1019.1	-	11.1	3.4	7.9	60	4.7	1	9	6	10	5	0	0	0	0	0	0	0	1	15	14	1	0	0	8	22	1	2	7	9	3	0	5	2	2
		15	1018.4	-	14.6	5.5	7.3	45	4.6	1	8	8	11	3	0	0	0	0	0	0	0	0	12	14	5	0	0	7	24	0	1	6	9	3	0	2	5	5
		21	1019.4	-	11.0	3.2	8.2	62	4.0	0	16	2	9	4	0	0	0	0	0	0	1	1	20	9	0	0	0	4	27	0	2	7	11	1	0	2	5	3
RINGWAY	84	3	1018.4	-	7.5	1.6	8.1	77	4.8	1	9	3	13	5	0	0	0	0	0	0	1	7	9	14	0	0	0	6	24	1	2	10	5	1	7	1	3	1
		9	1018.7	+ 3.2	11.1	3.1	8.3	63	4.5	1	12	2	12	4	0	0	0	0	0	0	0	4	11	15	1	0	0	14	16	1	1	12	4	1	3	4	2	3
		15	1018.0	-	14.4	5.0	8.0	50	4.5	0	10	6	13	2	0	0	0	0	0	0	0	2	8	17	4	0	1	16	14	0	2	8	7	4	1	2	5	2
		21	1019.1	-	10.4	2.9	8.2	64	4.4	1	12	3	10	5	0	0	0	0	0	0	1	4	13	12	1	0	0	9	21	1	1	6	11	2	1	3	4	2
ISLE OF MAN																																									
POINT OF AYRE	9	3	1018.7	-	7.9	0.9	9.4	87	4.9	1	7	7	9	7	0	0	0	0	0	0	0	2	4	6	19	0	1	16	11	3	1	5	5	2	1	5	5	5
		9	1019.3	+ 4.3	10.5	1.9	9.7	76	4.4	1	7	11	8	4	0	0	0	0	0	0	0	0	7	12	12	0	0	21	10	0	2	9	8	3	1	0	5	3
		15	1018.9	-	12.6	2.8	10.0	68	4.2	2	7	12	6	4	0	0	0	0	0	0	0	0	5	10	16	0	1	6	24	0	5	10	0	3	0	2	8	3
		21	1019.0	-	9.4	1.3	9.8	83	4.8	0	3	16	5	7	0	0	0	0	0	0	0	0	5	11	15	0	2	9	16	4	2	5	5	1	0	4	6	4
RONALDSWAY	21	3	1018.5	-	7.3	1.1	8.6	84	4.9	1	9	3	15	2	1	0	0	0	1	0	0	0	1	6	15	8	0	0	9	22	0	7	8	6	0	2	1	4	3
		9	1019.1	+ 4.0	10.6	2.2	9.3	73	4.5	0	10	6	12	3	0	0	0	0	0	0	0	5	7	9	10	0	0	15	16	0	2	4	15	1	1	0	6	2
		15	1018.7	-	12.4	3.2	9.3	64	4.4	0	12	5	11	3	0	0	0	0	0	0	1	2	5	8	15	0	0	19	12	0	1	3	11	1	3	6	5	1
		21	1018.9	-	9.1	1.7	9.1	79	5.0	2	4	9	11	5	0	0	0	0	0	0	1	2	8	13	7	0	2	5	21	3	8	5	5	0	1	2	5	2
7B WALES N																																									
GWYNEDD																																									
BARDSEY ISLAND	19	3	1018.0	-	9.4	0.9	10.4	88	4.4	3	6	9	6	6	1	0	1	0	0	0	0	1	22	7	0	0	1	9	15	6	10	2	3	2	1	4	2	1
		9	1018.6	-	10.8	1.3	10.9	84	5.0	1	6	9	8	7	0	0	0	0	1	0	0	1	18	10	1	0	1	8	22	0	0	4	6	1	3	1	4	3
		15	1018.3	-	12.3	1.3	12.3	85	4.5	0	5	14	8	3	1	0	0	1	0	0	0	1	13	13	2	0	1	9	21	0	16	2	1	0	2	3	4	3
		21	1018.6	-	10.8	1.1	11.2	86	5.2	1	2	12	7	9	0	0	0	0	0	0	2	19	8	2	0	1	1	11	16	3	13	4	1	0	2	5	2	1
VALLEY	11	3	1018.2	-	8.4	1.1	9.4	84	4.7	4	6	4	14	3	0	0	0	0	1	1	0	4	8	15	2	0	0	12	17	2	2	13	4	0	1	4	2	3
		9	1018.7	+ 3.4	11.6	2.6	9.5	69	4.1	1	11	6	8	5	0	0	0	0	0	0	1	5	3	13	9	0	0	19	12	0	4	9	7	0	2	1	4	4
		15	1018.4	-	14.0	3.5	10.2	63	4.0	0	12	8	8	3	0	0	0	0	0	0	0	2	5	19	5	0	2	18	11	0	3	12	1	0	1	9	1	4
		21	1018.8	-	10.4	1.8	9.9	77	4.5	1	9	6	12	3	0	0	0	0	0	0	1	2	10	15	3	0	1	13	17	0	3	14	2	1	1	5	4	1
8A WALES S																																									
DYFED																																									
ABERPORTH	134	3	1017.7	-	7.9	1.3	8.8	82	3.9	8	6	4	6	7	0	0	0	0	0	1	0	2	15	9	4	0	1	11	19	0	1	5	8	4	6	1	4	2
		9	1018.1	+ 2.6	10.1	1.9	9.5	76	5.0	2	7	3	14	5	0	0	0	1	0	0	1	3	9	12	5	0	0	13	18	0	4	10	5	1	2	1	5	3
		15	1017.7	-	12.3	2.7	9.9	70	4.4	1	8	8	12	2	0	0	0	0	0	0	0	3	4	17	7	0	0	11	20	0	10	3	4	0	0	2	5	9
		21	1018.3	-	10.2	1.9	9.5	76	4.3	4	6	7	11	3	0	0	0	0	0	0	0	5	8	12	6	0	1	12	18	0	1	4	11	3	2	5	5	0
BRAWDY	116	3	1017.9	-	7.2	1.0	8.7	85	4.1	6	7	4	7	7	0	0	0	0	0	0	0	7	10	13	1	0	0	8	23	0	3	8	7	3	1	3	2	4
		9	1018.2	-	10.7	2.1	9.6	74	4.9	1	7	6	11	6	0	0	0	1	0	0	0	5	6	16	2	0	0	14	17	0	6	11	3	2	2	3	3	3
		15	1018.0	-	12.6	3.1	9.6	66	4.8	0	6	10	11	4	0	0	0	0	1	0	0	2	5	18	5	0	0	19	12	0	10	9	0	1	2	3	3	3
		21	1018.5	-	9.3	1.3	9.8	83	4.8	1	5	9	13	3	0	0	1	0	0	1	0	8	8	12	1	0	0	7	24	0	4	13	3	0	0	3	5	3
BRYNAMMAN	-	9	-	-	10.8	2.9	8.4	66	5.0	1	7	4	14	5	0	0	0	0	0	1	1	5	15	9	0	0	0	5	22	4	1	9	2	3	2	3	6	1
		15	-	-	14.5	4.8	8.5	53	5.1	2	7	2	17	3	0	0	0	0	0	0	1	3	18	10	0	0	0	3	27	1	1	10	3	2	0	1	7	5
		21	-	-	10.2	2.5	8.7	70	4.0	1	11	8	7	3	1	0	0	0	1	0	1	6	14	9	0	0	0	2	21	8	0	13	3	0	0	0	5	2
MILFORD HAVEN	39	3	1017.6	-	9.1	1.4	9.5	82	3.4	13	1	6	5	6	0	0	0	0	1	0	0	6	16	8	0	0	0	10	17	4	5	11	1	1	0	3	1	5
C.B.		9	1018.0	+ 2.3	11.4	2.2	10.1	74	4.3	5	3	14	3	6	0	0	0	0	0	0	1	4	16	9	1	0	0	12	16	3	4	5	8	1	2	3	4	4
		15	1017.8	-	14.3	3.4	10.5	65	4.4	3	5	10	10	3	0	0	0	0	0	0	0	3	22	6	0	0	0	14	17	0	10	1	6	1	1	4	3	3
		21	1018.1	-	11.2	1.8	10.5	80	4.0	5	6	7	7	5	1	0	1	0	0	0	0	5	17	8	0	0	0	4	24	3	7	8	2	0	1	2	5	3
WEST GLAMORGAN																																									
MUMBLES HEAD	37	3	1017.5	-	9.3	1.5	9.4	81	3.8	8	4	8	5	5	1	0	0	0	0	1	0	0	1	6	17	6	3	0	4	13	12	2	4	13	4	0	1	2	5	4	1
		9	1018.0	-	11.2	2.4	9.5	72	5.2	1	8	4	12	6	0	0	0	0	0	0	1	11	6	10	6	0	1	1	15	10	4	1	5	6	2	4	5	0	7	4
		15	1017.5	-	13.4	3.0	10.3	67	4.7	2	6	7	13	3	0	0	0	0	0	0	1	8	4	12	6	0	4	9	18	0	2	1	6	1	5	7	7	2
		21	1018.0	-	11.9	2.5	9.8	71	4.4	1	11	8	5	5	1	0	0	1	0	0	0	5	6	15	4	0	2	17	12	0	5	10	3	1	0	3	7	2

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

MAY 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT							VISIBILITY									WIND SPEED AND DIRECTION									
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS																	BEAUFORT FORCE									
									MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	8 OR MORE	6-7	4-5	1-3	CALM	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS							SPEED (KT)										34 OR MORE	22-33	11-21	1-10	0							
8A WALES S -CONTD.																																		
MID GLAMORGAN																																		
CILFYNYDD	195	3	1017.8	-	6.8	1.4	8.0	80	3.8	8	7	4	5	7	0	0	0	0	0	0	0	19	12	0	0	0	0	3	18	10	0	14	1	1	0	2	2	1
		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	1017.0	-	14.4	4.7	8.4	53	5.2	2	6	3	14	6	0	0	0	0	0	0	0	1	23	7	0	0	0	1	13	17	0	0	10	6	1	0	3	7	4
		21	1017.9	-	10.6	2.7	8.7	68	4.2	4	5	12	5	5	0	0	0	0	0	0	1	9	19	2	0	0	1	5	20	5	2	14	1	1	0	4	4	0
SOUTH GLAMORGAN																																		
RHOOSE	69	3	1017.1	-	7.4	1.2	8.6	82	4.2	2	9	8	5	7	0	0	0	0	0	0	0	6	8	13	4	0	0	11	18	2	2	16	2	1	0	1	5	2
		9	1017.6	+ 1.5	10.9	2.5	9.1	69	4.9	1	8	5	13	4	0	0	0	0	0	0	0	3	16	10	2	0	0	18	13	0	1	13	5	3	2	1	4	2
		15	1016.8	-	14.7	4.3	9.4	56	4.9	1	5	10	13	2	0	0	0	0	0	0	1	2	8	11	9	0	0	0	24	7	0	0	6	9	1	0	2	10	3
		21	1017.7	-	10.5	2.2	9.3	73	4.6	0	10	6	10	5	0	0	0	0	0	0	1	2	13	8	7	0	0	0	14	15	2	1	13	3	0	0	2	8	2
8B ENGLAND SW																																		
AVON																																		
FILTON	61	3	1017.5	-	6.9	0.9	8.7	86	4.5	4	7	4	9	7	0	0	0	0	0	0	0	2	7	10	12	0	0	0	8	20	3	0	15	2	0	1	3	5	2
		9	1017.9	+ 1.8	10.8	2.3	9.4	73	5.4	0	6	5	15	5	0	0	0	0	0	0	0	0	7	13	8	3	0	0	16	15	0	1	17	1	1	1	3	5	2
		15	1017.0	-	15.0	4.2	9.8	57	5.1	1	6	4	18	2	0	0	0	0	0	0	0	3	3	17	8	0	1	21	9	0	3	11	5	1	1	0	8	2
		21	1018.0	-	10.7	2.2	9.4	73	4.9	0	8	9	8	6	0	0	0	0	0	0	0	3	9	18	1	0	0	12	18	1	1	10	7	0	3	3	6	0
SOMERSET																																		
EXTON	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	8.8	1.4	9.2	81	5.4	0	5	10	6	9	1	0	1	0	0	0	0	4	12	2	10	2	0	2	12	16	1	8	8	6	1	1	1	4	1
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YEOVILTON	23	3	1017.5	-	7.0	1.1	8.5	84	4.5	3	9	4	8	7	0	0	0	0	1	0	3	10	14	3	0	0	0	11	10	10	4	7	2	0	1	3	1	3
		9	1018.0	-	10.9	2.0	9.9	75	4.9	1	8	5	12	5	0	0	0	0	0	0	3	10	14	4	0	0	0	17	9	5	6	9	1	1	1	2	4	2
		15	1017.2	-	15.4	4.5	9.8	56	5.3	1	3	12	9	6	0	0	0	0	0	0	1	2	12	16	0	0	0	2	19	9	1	1	14	1	1	3	2	4	4
		21	1018.1	-	11.0	2.2	9.6	73	4.7	0	8	8	10	5	0	0	0	0	0	0	1	9	13	8	0	0	0	11	15	5	3	12	2	0	1	1	5	2
DORSET																																		
HURN	11	3	1016.4	-	7.2	0.9	9.0	87	4.3	5	8	3	5	10	0	0	0	0	0	0	3	4	12	12	0	0	0	8	21	2	7	10	1	1	0	2	7	1
		9	1016.9	-	11.8	2.6	9.7	70	5.2	1	8	3	11	8	0	0	0	0	0	0	0	2	6	8	16	1	0	0	17	14	0	5	11	1	1	5	4	1	5
		15	1016.3	-	15.1	4.4	9.5	57	5.4	0	7	4	14	6	0	0	0	0	0	0	1	5	8	16	1	0	0	23	8	0	2	10	3	2	5	3	4	2
		21	1017.2	-	11.0	2.2	9.6	73	5.2	0	7	7	8	9	0	0	0	0	0	0	2	5	10	13	1	0	0	9	20	2	4	12	1	0	0	3	9	0
PORTLAND BILL.C.G.	54	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEVON																																		
EXETER	38	3	1016.9	-	7.4	1.1	8.9	85	4.4	2	8	7	7	7	0	0	0	0	0	0	1	3	13	11	3	0	0	13	14	4	5	9	1	0	2	1	2	7
		9	1017.2	+ 1.0	11.3	2.0	10.2	76	5.4	0	8	4	12	7	0	0	0	0	0	0	0	6	9	9	7	0	0	18	12	1	8	6	1	0	3	1	3	8
		15	1016.7	-	15.3	3.9	10.6	61	5.6	1	3	5	19	3	0	0	0	0	0	0	1	1	7	10	12	0	2	19	10	0	4	8	2	6	3	0	5	3
		21	1017.6	-	10.9	1.8	10.2	78	4.5	0	10	8	8	5	0	0	0	0	0	0	0	3	11	11	6	0	0	8	22	1	4	10	1	0	6	1	7	1
HARTLAND POINT	93	3	1017.1	-	9.2	1.4	9.6	82	4.0	4	9	8	2	7	1	0	2	0	0	0	0	0	9	9	11	0	0	6	16	7	2	5	9	3	1	1	3	6	1
		9	1017.6	-	10.1	1.7	9.7	78	5.5	2	4	5	11	7	2	0	2	0	1	1	0	3	13	6	5	0	0	5	14	9	3	4	12	3	0	0	2	5	2
		15	1017.7	-	11.5	2.0	10.4	76	5.3	1	7	5	11	6	1	0	1	1	0	0	1	1	13	5	9	0	0	1	12	15	3	5	7	2	2	0	1	8	3
		21	1017.8	-	10.7	1.7	10.1	79	5.0	0	5	11	8	6	1	0	1	0	0	0	1	0	14	6	9	0	0	2	16	11	2	2	7	6	0	0	1	11	2
MOUNT BATTEN	28	3	1016.7	-	8.6	1.3	9.3	83	3.9	5	10	3	8	5	0	0	0	0	1	0	1	6	12	8	3	0	0	8	23	0	6	8	10	0	0	2	2	3
		9	1017.0	+ 0.9	11.8	2.4	9.9	72	5.0	0	10	3	12	6	0	0	0	0	0	0	2	6	11	7	5	0	1	14	16	0	1	6	10	0	2	4	5	3
		15	1016.7	-	14.5	3.5	10.4	64	5.4	1	3	9	14	4	0	0	0	0	0	1	0	6	7	8	9	0	0	19	12	0	1	5	8	0	4	5	5	3
		21	1017.5	-	11.4	2.2	10.0	75	5.0	1	7	5	13	5	0	0	0	0	1	0	0	6	10	9	5	0	0	7	23	1	7	9	4	0	0	3	6	1
PRAWLE POINT	-	3	-	-	-	-	-	-	3.5	11	3	6	2	9	0	0	0	0	0	0	0	7	8	16	0	2	10	11	6	2	4	6	9	1	0	0	6	3
		9	-	-	-	-	-	-	4.8	4	4	7	9	7	0	0	0	0	0	0	0	9	10	12	0	0	14	10	6	1	0	6	13	0	0	2	6	3
		15	-	-	-	-	-	-	5.3	1	4	11	9	5	1	1	0	1	0	0	0	6	8	15	0	0	0	9	15	6	1	0	2	15	1	0	1	6	5
		21	-	-	-	-	-	-	5.3	1	4	9	9	7	1	1	0	0	0	0	0	4	8	18	0	0	0	8	13	8	2	4	4	10	1	0	0	8	2
CORNWALL																																		
GWENNAP HEAD	70	3	1016.9	-	9.3	1.4	9.7	81	4.3	4	7	6	7	7	0	0	0	0	0	1	0	5	6	16	3	0	7	18	6	0	3	6	8	3	2	0	6	3
		9	1017.3	-	11.2	2.2	9.8	74	4.6	2	8	6	8	7	0	0	0	0	0	1	2	6	8	10	4	0	6	14	9	2	5	3	9	4	2	0	4	2
		15	1017.5	-	13.0	3.0	9.9	68	4.8	2	4	11	8	5	1	0	1	0	0	0	0	6	10	7	5	0	7	16	6	2	3	3	5	6	1	0	5	6
		21	1017.8	-	10.4	1.8	9.9	78	4.4	0	10	10	4	6	1	0	1	1	0	0	0	8	9	8	4	0	6	19	6	0	2	11	6	1	1	0	3	7
ST MAWGAN	107	3	1017.0	-	8.5	1.1	9.5	84	4.4	2	5	13	6	4	1	0	0	0	1	1	1	5	6	11	6	0	0	10	20	1	6	7	5	1	3	3	2	3
		9	1017.3	+ 1.5	11.1	2.1	9.9	75	4.7	1	7	8	9	6	0	0	0	0	0	0	2	6	8	6	9	0	0	15	16	0	6	8	3	1	4	3	3	3
		15	1017.3	-	13.0	2.7	10.5	71	5.5	1	4	9	10	7	0	0	0	0	1	1	1	6	5	10	7	0	0	20	11	0	7	5	3	1	1	2	8	4
		21	1017.9	-	10.4	1.5	10.3	81	4.6	0	9	8	8	6	0	0	0	0	1	0	2	7	6	10	5	0	0	8	23	0	5	11	1	3	0	2	7	2
SCILLY	61	3	1017.6	-	9.7	1.0	10.5	87	3.9	2	10	8	4	6	1	0	1	0	0	1	0	3	9	11	6	0	2	16	11	2	4	4	9	0	2	3	4	3
		9	1018.1	+ 2.1	11.7	1.6	11.1	80	4.9	3	3	11	7	5	2	0	0	2	0	0	1	6	9	10	3	0	1	16	12	2	2	5	10	3	2	0	3	4
		15	1018.4	-	13.3	2.2	11.5	75	4.8	3	7	6	6	8	1	0	0	0	1	0	1	0	7	11	8	3	0	2	16	10	3	1	8	6	2	0	0	4	7
		21	1018.6	-	10.4	1.1	10.9	86	4.5	1	8	9	7	6	0	0	0	0	0	1	1	6	12	7	4	0	2	16	10	3	3	7	7	1	1	1	3	5
CHANNEL ISLANDS																																		
GUERNSEY AIRPORT	105	3	1016.0	-	8.6	0.7	10.1	90	4.7	3	8	4	10	6	0	0	0	0	1	0	0	0	5	7	13	5	0	0	17	14	0	5	12	1	1	0	2	7	3
		9	1016.5	-	10.4	1.4	10.4	82	5.3	0	5	9	13	4	0	0	0	0	0	0	1	6	12	6	6	0	0	24	7	0	6	10	1	2	0	5	1	6
		15	1016.4	-	12.3	2.2	10.7	75	4.2	2	11	5	8	5	0	0	0	3	0	0	0	2	12	9	5	0	1	23	7	0	3	13	2	1	2	2	5	3
		21	1016.9	-	9.9	1.2	10.3	84	4.8	1	11	2	10	7	0	0	1	0	1	0	0	7	9	10	3	0	0	18	13	0	4	11	3	1	1	2	5	4
JERSEY AIRPORT	83	9	1016.6	-	11.4	1.7	10.8	80	5.1	1	6	7	11	6	0	0	0	0	0	0	0	5	9	15	2	0	4	20	7	0	2	12	2	2	1	4	4	4
		15	1016.3	-	13.4	2.7	10.9	71	4.6	1	10	7	4	9	0	0	1	0	0	0	0	5	7	15	3	0	3	22	6	0	3	8	7	1	2	2	6	2
NORTHERN IRELAND																																		
LONDONDERRY																																		
MONEYDIG	35	9	1019.7	-	10.2	2.0	9.4	75	4.5	2	10	2	13	4	0	0	0	0	0	0	0	5	1	11	14	0	0	0	4	27	0	8	5	1	3	8	0	5	1
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																																		
ALDERGROVE	73	3	1018.9	-	6.4	1.3	7.9	82	3.9	4	9	6	7	5	0	0	0	0	0	0	1	5	8	12	5	0	0	3	27	1	5	2	13	1	3	1	3	2
		9	1019.2	+ 4.2	10.7	2.5	9.0	70	5.0	0	6	10	11	4	0	0	0	0	0	0	0	5	8	11	7	0	0	6	25	0	4	4	6	4	3	2	6	2
		15	1018.8	-	13.2	3.9	8.7	58	5.0	0	7	8	14	2	0	0	0	0	0	0	0	2	8	8	13	0	0	8	23	0	4	4	8	4	3	1	5	2
		21	1019.2	-	9.7	2.1	8.9	74	4.4	2	7	9	9	4	0	0	0	0	0	0	0	3	8	12	8	0	0	4	25	2	8	3	6	5	1	0	3	3
TYRONE																																		
CARRIGANS	112	9	1019.1	-	11.1	2.2	9.8	73	4.6	1	8	9	8	5	0	0	0	0	0	0	1	7	12	8	3	0	0	2	25	4	7	0	7	3	2	2	3	3
		15	1018.6	-	14.4	3.8	10.0	61	5.5	0	4	8	14	5	0	0	0	0	0	0	0	4	10	11	6	0	0	5	25	1	6	2	3	7	3	4	2	3
		21	1019.4	-	9.5	1.9	9.2	77	4.4	2	7	10	6	6	0	0	0	0	0	0	0	6	14	9	2	0	0	1	27	3	6	4	6	4	0	1	2	5

TABLE 5 NUMBER OF DAYS WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS

MAY 1977

STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
LERWICK (PSYCHROMETER)	0	0	19	10	2	0	0	0	0	0	0	1	17	13	0	0
LERWICK (SCREEN)	0	0	19	10	2	0	0	0	0	0	0	1	18	12	0	0
STORNOWAY	0	0	11	16	3	1	0	0	0	0	0	1	9	21	0	0
CRAIBSTONE	0	0	10	14	7	0	0	0	0	0	0	2	14	15	0	0
ROTHESAY	0	0	3	16	8	4	0	0	0	0	0	0	9	20	2	0
ABBOTSINCH	0	0	1	18	8	4	0	0	0	0	0	3	13	13	2	0
ESKDALEMUIR (PSYCHROMETER)	0	0	9	13	6	3	0	0	0	0	0	7	16	8	0	0
ESKDALEMUIR (SCREEN)	0	0	7	14	7	3	0	0	0	0	0	7	16	8	0	0
DOUGLAS	0	0	5	16	10	0	0	0	0	0	0	0	8	20	3	0
BOULMER	0	0	10	17	4	0	0	0	0	0	0	1	14	16	0	0
HULL	0	0	1	22	7	1	0	0	0	0	0	0	4	25	2	0
GORLESTON	0	0	2	24	5	0	0	0	0	0	0	0	7	20	4	0
CAMBRIDGE BOTANIC GARDENS	0	0	1	15	9	6	0	0	0	0	0	1	10	18	2	0
EDGBASTON	0	0	1	17	10	3	0	0	0	0	0	0	12	17	2	0
KEW (PSYCHROMETER)	0	0	0	19	7	5	0	0	0	0	0	2	5	21	3	0
KEW (NORTH-WALL SCREEN)	0	0	0	18	8	5	0	0	0	0	0	0	7	20	4	0
HASTINGS	0	0	1	18	8	4	0	0	0	0	0	0	4	22	5	0
SOUTHAMPTON	0	0	0	15	7	9	0	0	0	0	0	0	7	19	5	0
STONYHURST	0	0	3	15	9	4	0	0	0	0	0	0	12	18	1	0
VALLEY	0	0	1	18	10	2	0	0	0	0	0	0	6	22	3	0
RHOOSE	0	0	0	18	10	3	0	0	0	0	0	1	11	17	2	0
FALMOUTH	0	0	1	17	13	0	0	0	0	0	0	0	8	21	2	0
ALDERGROVE	0	0	2	17	10	2	0	0	0	0	0	0	3	11	17	0	0
ARMAGH	0	0	1	17	10	3	0	0	0	0	0	2	15	14	0	0

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

MAY 1977

DISTRICT / REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED								MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES						
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT	HOURS OF NO RECORD		HOURLY WIND			GUST			
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS						VEER FROM N	SPEED-KT	DAY / HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY / TIME
0 SCOTLAND N																				
SHETLAND	LERWICK		93	10 10		0	6	35	267	374	68	0	10.2	050	27	2 12	060	39	11	2242
ORKNEY	KIRKWALL AIRPORT		41	15 10		0	3	12	288	346	98	0	9.5	240	24	6 18	240	35	6	1806
WESTERN ISLES	BENBECULA		16	10 10		0	5	41	327	319	57	0	11.0	270	31	7 02	270	46	7	0148
	STORNOWAY		12	10 10		0	5	18	302	365	59	0	10.3	040	25	12 06	270	38	7	0248
HIGHLAND	DALCROSS		19	10 10		0	2	3	190	388	163	0	7.7	220	22	7 04	250	37	10	0942
	DOUNREAY		34	12 9		0	1	5	184	287	268	0	6.9	280	25	6 11	280	38	6	1248
	DUIRINISH		38	20 17		0	1	8	144	422	160	10	7.5		28	7 04		40	7	0424
	FORT AUGUSTUS		58	16 16		0	0	0	85	357	302	0	5.1	230	18	10 11	230	34	10	1100
	WICK		45	10 10		0	1	11	296	356	81	0	9.9	290	28	6 12	290	39	6	1236
1 SCOTLAND E																				
GRAMPIAN	ABERDEEN																			
	DYCE AIRPORT		68	10 10		0	0	0	155	420	169	0	7.2	340	21	2 13	350	33	2	1154
	FRASERBURGH		29	13 11		0	3	17	199	375	151	2	8.6	100	28	3 15	100	39	3	1454
	KINLOSS		18	13 13		0	1	2	169	441	132	0	7.7	270	22	10 12	260	31	11	1600
	LOSSIEMOUTH		17	10 10		0	1	1	199	379	165	0	7.8	350	22	2 15	250	34	10	1330
TAYSIDE	BELL ROCK		39	40 38		0	8	51	263	328	102	0	10.3	050	31	3 11	230	45	11	1418
	MYLNEFIELD		40	10		0	0	0	51	408	285	0	5.4	230	18	7 11	250	37	11	1330
	TUMMEL BRIDGE		161	16 16		0	0	0	0	383	347	14	4.1	080	10	28 17		27	10	
FIFE	LEUCHARS		25	13 13		0	4	9	221	389	125	0	8.5	220	25	7 11	240	41	11	1342
LOTHIAN	EDINBURGH																			
	TURNHOUSE AIRPORT		43	13 10		0	1	3	242	365	134	0	8.5	240	24	7 11	230	46	11	1306
	ROYAL OBSERVATORY, BLACKFORD HILL		159	10 10		0	3	21	297	372	54	0	10.3	230	31	7 10	230	47	11	1312
	FORTH ROAD BRIDGE		72	72	DEFECTIVE RECORD															
6 SCOTLAND W																				
STRATHCLYDE	ABBOTSINCH AIRPORT		16	10 10		0	0	0	166	433	145	0	7.2	250	18	7 09	220	34	11	1200
	ARDROSSAN		24	20		0	2	11	288	387	58	0	9.8	280	29	7 16	270	39	7	1542
	DUNSTAFFNAGE		13	10 10		0	1	5	183	365	183	8	7.5	250	25	7 09	250	35	7	1000
	GREENOCK PORT		51	49		0	0	0	179	393	158	14	7.6	260	21	7 09	240	40	11	1154
	INCHTERF		55	15 12		0	1	1	202	416	125	0	7.7	230	24	7 10	240	38	7	1030
	LOWTHER HILL		754	27 7		9	12	71	330	238	52	44	13.0	260	40	7 11	290	60	7	1718
	MACHRIHANISH		22	12 12		0	4	25	288	351	80	0	9.9	290	31	7 15	210	47	11	1042
	PAISLEY		57	25 9		0	0	0	47	448	235	14	5.5	250	16	7 11	220	36	11	1206
	PRESTWICK AIRPORT		21	10 10		0	2	8	268	318	150	0	8.9	260	26	7 12	270	45	7	1200
	TIREE		24	16 12		0	2	33	302	355	54	0	10.6	280	30	7 11	280	49	7	1142
DUMFRIES AND GALLOWAY	ESKDALEMUIR		259	10 10		0	2	2	152	397	193	0	7.0	230	22	7 14	240	41	7	1412
	WEST FREUGH		25	10 10		0	1	1	133	478	130	2	7.2	300	22	7 18	250	36	11	1436
2 ENGLAND E & NE																				
NORTHUMBERLAND	BLYTH		19	10 10		0	3	9	227	385	96	27	9.0	250	27	11 17	260	54	11	1736
	BOULMER		33	10 10		0	2	6	133	432	173	0	7.1	230	24	11 17	230	38	11	1924
TYNE AND WEAR	SOUTH SHIELDS		22	17 13	DEFECTIVE RECORD															
CLEVELAND	SOUTH GARE		22	14 15	11	2	6	38	395	219	65	25	11.8	250	35	11 16	250	50	11	1624
DURHAM	DURHAM		119	16 10		0	0	0	51	379	314	0	4.6	240	19	11 16	230	41	11	1724
NORTH YORKSHIRE	LEEMING		42	10 10		0	1	2	239	397	106	0	8.6	250	23	11 16	250	40	11	1630
	LINTON-ON-OUSE		23	9 10		0	1	1	188	445	110	0	8.0	240	24	11 15	210	36	11	1506
	SILPHO MOOR		207	15 9		0	0	0	6	326	412	0	3.6	210	12	7 13	180	33	11	1448
LINCOLNSHIRE	BINBROOK		118	10 10		0	2	9	391	303	41	0	10.8	220	24	11 12	180	38	3	1624
	CONINGSBY		16	10 10		0	3	13	342	302	87	0	10.1	050	25	20 16	050	41	20	1612
	CRANWELL		68	13 13		0	4	22	426	260	36	0	11.6	060	29	20 14	060	41	20	1500
	SCAMPTON		68	10 10	DEFECTIVE RECORD															
	WADDINGTON		80	10 10		0	5	27	376	283	58	0	11.0	050	31	20 14	050	45	20	1442
3 EAST ANGLIA																				
NORFOLK	COLTISHALL		27	10 10		0	1	3	357	294	90	0	9.8	050	24	20 12	050	38	20	1448
	GORLESTON		16	13 13		0	12	119	353	193	64	15	14.1	170	30	3 17	170	42	3	1730

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED							MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT			HOURLY WIND				GUST			
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS				HOURS OF NO RECORD		YEAR FROM N	SPEED-KT	DAY	HOUR BEGINNING	YEAR FROM N	SPEED-KT	DAY	TIME
3 EAST ANGLIA - CONTINUED																				
	MARHAM	29	10	10		0	2	8	351	311	74	0	10.1	060	25	20	17	060	41	20	1800
CAMBRIDGESHIRE	WITTERING	83	10	10		0	5	33	418	261	32	0	11.9	050	30	20	14	050	45	20	1442
	WYTON	45	10	10		0	2	18	336	334	56	0	10.3	060	25	21	15	070	39	21	1506
SUFFOLK	HONINGTON	60	13	13		0	0	0	306	368	70	0	9.6	050	21	20	15	240	40	12	1106
	WATTISHAM	105	17	10		0	4	17	475	229	22	1	12.6	150	23	3	11	150	39	3	1136
BEDFORDSHIRE	BEDFORD	94	13	9		0	2	17	332	334	61	0	10.3	070	27	21	15	060	39	21	1542
	CARDINGTON	70	41	41		0	6	45	428	220	51	0	12.4	050	29	21	09	060	43	21	1612
HERTFORDSHIRE	GARSTON	94	15	10		0	0	0	61	567	116	0	6.6	030	16	21	13	050	35	21	1336
	ROTHAMSTED	141	13	10																	
ESSEX	SHOEBURYNESS	17	14	12		0	2	10	395	282	50	7	11.2	190	25	3	14	040	37	21	1336
	STANSTED	108	10	10		0	1	2	394	282	66	0	10.8	060	22	21	14	160	35	3	1336
4 MIDLAND COUNTIES																					
SOUTH YORKSHIRE	FINNINGLEY	19	10	10		0	0	0	149	500	95	0	7.7	240	20	11	15	060	31	20	1124
	SHEFFIELD UNIVERSITY	146	29	15	DEFECTIVE RECORD																
NOTTINGHAMSHIRE	WATNALL	133	16	10		0	2	15	315	343	71	0	9.7	060	28	20	14	060	44	20	1412
STAFFORDSHIRE	KEELE	215	15	10		0	0	0	61	429	254	0	5.3	090	17	20	17	070	37	21	1118
SALOP	SHAWBURY	84	12	10		0	2	3	207	405	129	0	8.0	250	23	11	14	240	37	11	1412
WEST MIDLANDS	BIRMINGHAM EDGBASTON	196	36	22		0	0	0	140	473	131	0	7.6	040	19	20	17	050	39	20	1500
	ELMDON AIRPORT	104	10	10		0	2	2	272	375	95	0	8.9	050	22	20	15	040	41	20	1506
HEREFORD & WORCS	PERSHORE	47	10	10		0	3	16	312	300	116	0	9.7	060	29	21	13	050	45	21	1448
OXFORDSHIRE	BENSON	60	10	10		0	2	6	353	263	122	0	9.8	040	23	21	12	040	38	21	1742
	BRIZE NORTON	91	13	10		0	3	22	371	265	86	0	10.7	070	25	21	12	060	37	21	1206
	OXFORD					0	7	32	373	217	89	33	11.6	060	27	21	13	050	44	21	1318
5 ENGLAND SE & CENTRAL S																					
GREATER LONDON	HEATHROW AIRPORT	34	10	10		0	2	5	354	299	86	0	10.0	050	23	21	14	050	33	20	1230
	KEW	28	23	15		0	0	0	313	312	119	0	9.1	060	20	21	13	050	36	16	1142
	LONDON WEATHER CENTRE	93	70	38		0	1	1	440	268	35	0	11.2	060	22	21	14	030	38	21	1642
	POST OFFICE TOWER			174		0	21	207	445	92	0	0	18.1	080	33	21	16	070	42	21	1654
WILTSHIRE	BOSCOMBE DOWN	130	17	17		0	1	1	417	235	91	0	10.6	060	23	21	14	060	35	21	1454
	LARKHILL	145	13	10		0	3	17	371	264	92	0	10.6	050	24	21	14	050	37	22	1342
	LYNEHAM	159	14	11		0	6	32	415	248	49	0	11.8	050	27	21	14	050	39	21	1312
	PORTON	120	10	10		0	3	9	398	212	125	0	10.4	040	24	21	14	040	38	21	1418
KENT	DUNGENESS	16	10	10		0	13	108	467	147	22	0	15.3	050	27	21	15	050	40	21	1542
	ISLE OF GRAIN	15	12	10		0	3	11	402	273	56	2	11.1	180	25	3	13	170	39	3	1042
	DOVER	27	21	18	12	3	20	242	330	124	44	1	17.1	240	35	12	11	030	47	17	1506
	MANSTON	62	18	18		0	15	133	405	171	35	0	14.8	170	29	3	13	230	43	12	1312
HAMPSHIRE	CALSHOT	15	13	10	DEFECTIVE RECORD																
	FARNBOROUGH	75	10	10		0	0	0	249	360	135	0	8.3	080	20	24	13	070	36	24	1342
	MIDDLE WALLOP	94	10	10		0	1	1	413	229	100	1	10.5	040	22	21	13	030	37	21	1454
WEST SUSSEX	GATWICK AIRPORT	69	10	10		0	3	7	323	291	123	0	9.4	230	23	12	12	230	37	12	1300
	THORNEY ISLAND	16	10	10	DEFECTIVE RECORD																
7A ENGLAND NW & I O M																					
CUMBRIA	CARLISLE	41	13	9		0	0	0	154	438	152	0	7.3	250	20	11	15	260	41	11	1612
	GREAT DUN FELL	857	10	10	3 7 11 20 21	30	19	152	420	132	10	0	17.4	050	40	3	07	230	51	11	1342
	MOOR HOUSE	595	13	12	11	1	2	17	247	375	104	0	9.3	220	34	11	22	220	47	11	2300
	SELLAFIELD	25	12	11		0	0	0	66	493	185	0	6.0	210	21	7	17	210	30	7	1724
LANCASHIRE	FLEETWOOD	34	15	9		0	2	3	215	421	105	0	8.4	300	25	8	00	260	42	7	1936
	SQUIRES GATE AIRPORT	22	12	11		0	2	11	299	403	31	0	9.8	280	25	7	19	280	36	7	1954
MERSEYSIDE	AIGBURTH	38	23	11		0	2	7	183	471	83	0	8.3	270	24	7	20	270	37	7	2330
	SPEKE AIRPORT	30	10	10		0	0	0	142	518	84	0	7.7	290	21	7	21	300	34	7	2006
GREATER MANCHESTER	MANCHESTER RINGWAY AIRPORT	80	10	10		0	2	10	262	372	100	0	9.0	070	27	20	12	070	43	20	1230
	WEATHER CENTRE	82	45	17		0	0	0	180	495	69	0	8.0	090	21	20	13	100	41	20	1348
ISLE OF MAN	POINT OF AYRE	20	10	10		0	4	20	337	337	50	0	10.3	240	28	11	15	240	44	11	1500
	RONALDSWAY	25	10	10		0	3	8	307	381	48	0	9.8	320	24	13	01	330	39	13	0124
7B WALES N																					
GWYNEDD	VALLEY	26	16	12		0	5	16	392	295	41	0	11.5	210	24	11	16	070	36	26	1436
8A WALES SOUTH																					
DYFED	ABERPORTH	144	10	10		0	6	19	269	403	53	0	9.9	280	25	7	22	250	34	11	1206
	BRAWDY	121	10	10		0	0	0	318	366	60	0	9.9	050	21	21	10	360	33	12	2230
	MILFORD HAVEN	47	10	10		0	0	0	240	423	80	1	8.7	230	21	11	09	240	35	11	0924
WEST GLAMORGAN	PORT TALBOT	28	12	11	DEFECTIVE RECORD																
MID GLAMORGAN	CILFYNYDD	210	16	16		0	2	8	309	304	121	2	9.2	050	23	21	15	050	43	21	1512
SOUTH GLAMORGAN	RHOOSE AIRPORT	74	10	10		0	0	0	411	250	83	0	10.5	260	21	11	14	050	34	20	2048
8B ENGLAND SW																					
AVON	AVONMOUTH	28	19	10		0	3	8	397	278	61	0	10.8	040	23	20	17	050	38	21	1506
SOMERSET	YEOVILTON	22	12	10		0	5	14	363	228	106	33	10.7	030	24	20	15	050	40	21	1248
DORSET	HURN AIRPORT	23	13	11		0	0	0	337	299	108	0	9.3	030	20	17	12	060	33	22	1154
	PORTLAND BILL CG	60	13	13		0	6	20	444	192	38	50	12.8	310	27	3	16	330	40	13	0412
DEVON	MOUNT BATTEN	64	13	13		0	2	2	318	336	88	0	9.6	070	22	22	08	070	40	22	0842
CORNWALL	CULDROSE					0	3	3	391	303	47	0	10.8	250	23	12	03	320	34	8	1048
	LIZARD	96	23	18		0	12	57	482	187	17	1	13.8	250	29	12	02	230	43	12	0218
	ST MAWGAN	120	13	13		0	0	0	314	385	45	0	9.6	360	19	20	13	260	29	12	0330
	SCILLY(ST MARYS)	70	20	17		0	7	37	430	199	78	0	12.4	320	28	12	17	320	43	12	1742
CHANNEL ISLANDS																					
	GUERNSEY AIRPORT	111	11	10		0	1	3	482	244	15	0	12.4	260	23	3	10	260	37	3	1000
	JERSEY AIRPORT	94	12	10		0	8	18	470	248	8	0	13.3	070	26	22	09	070	40	22	0906
NORTHERN IRELAND																					
LONDONDERRY	COLERAINE UNIVERSITY	33	10	10		0	0	0	76	405	229	34	5.7		20	7	17	260	32	11	1542
ANTRIM	ALDERGROVE	80	10	10		0	1	2	145	468	129	0	7.4	310	23	7	18	230	38	11	0948
	BALLYPATRICK FOREST	166	13	13		0	1	9	156	392	184	3	7.4	300	25	7	17	290	42	7	1506
	BELFAST HARBOUR	21	18	18		0	3	11	194	384	155	0	8.0	310	31	7	20	290	48	7	1936
DOWN	KILKEEL	36	19	14		0	0	0	155	420	165	4	7.2	250	20	11	12	240	33	11	1142
	ORLOCK HEAD	51	16	12		0	6	35	248	378	80	3	9.8	330	32	12	18	260	51	11	1412
TYRONE	CARRIGANS	129	10	10		0	0	0	64	405	271	4	5.4	270	21	7	14	220	39	11	0854
FERMANAGH	CASTLE ARCHDALE FOREST	79	13	13		0	0	0	101	414	229	0	6.0	280	19	7	16	210	34	11	0836

TABLE 3 ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)												BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY		PRECIPITATION		SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE	0.2 MM OR MORE	1.0 MM OR MORE													
1975	NOVEMBER	ARBROATH											33	51																	
	DECEMBER	ARBROATH											12	20	(6)	1															
1976	JANUARY	EXMOUTH	9.3	4.7	7.0	+2.1	13.0	9	-2.4	31			17	20	7	28	10	5	5	0	0	0	0	0	4			3	1.76	88	
	FEBRUARY	EXMOUTH	7.6	3.2	5.4	+0.7	14.0	24	-2.5	1			35	60	7	5,12	18	7	3	0	0	0	0	0	7			0	1.48	50	
		MILLTOWN	8.1	2.4	5.3		12.5	9	-1.4	18			45		13	11	17	10	8	1	0	0	0	0	4	18		1			
1976	MARCH	ABER	9.5	3.1	6.3		14.0	20	-2.5	23		6.2	54		11	12	15	10	1	0	0	0	0	0	6	12		2	3.55		
		EXMOUTH	9.3	2.7	6.0	-0.5	14.8	28	-3.8	9			70	121	26	21	11	6	1	0	0	0	0	1	6			0	3.74	89	
	APRIL	ABER	11.6	5.4	8.5		18.5	20	1.5	29		8.3	51		19	11	9	7	0	0	1	0	0	0	0	8		0	4.95		
		EXMOUTH	13.0	4.5	8.7	-0.1	20.2	19	0.0	29			2	4	1	14	4	0	0	0	0	0	1	0	0			0	6.44	106	
	MAY	EXMOUTH	15.8	8.3	12.1	+0.8	24.2	8	1.5	1			21	33	6	18	12	9	0	0	0	0	0	1	0			0	6.86	98	
		ROGATE	18.2	6.4	12.3		27.0	7	0.0	1	13.6		37		25	19	13	7	0	0	0	0	0	0	0	8		0			
	JUNE	EXMOUTH	22.0	12.7	17.3	+3.0	31.2	27,28	8.0	2,3			2	5	1	19	5	0	0	0	0	0	0	0	0			0	8.95	122	
	JULY	EXMOUTH	22.8	13.9	18.3	+2.4	29.0	5	9.7	22			17	32	7	13	5	4	0	0	0	0	0	0	0			0	8.74	129	
	OCTOBER	MANSFIELD	12.8	7.5	10.1	0.0	18.5	11	3.0	13,24			136		23	14	30	20	0	0	0	0	0	1	0	2		0			
	NOVEMBER	MANSFIELD	8.4	3.1	5.7	-0.4	10.5	27	0.0	3,11,14			37		6	6	13	9	0	0	0	0	0	2	0	11		0			
		COLWYN BAY	9.6	4.4	7.0		11.8	27	0.6	12	8.5		74	90	19	28	21	14	0	0	0	0	0	1	0			0	2.04	117	
		EXMOUTH	11.1	4.9	8.0	+0.1	13.7	5	0.0	14			81	94	15	29	18	14	0	0	1	0	0	1	0			0	2.60	104	
	DECEMBER	LANARK																											1.56		
	DECEMBER	MANSFIELD	3.7	-0.1	1.8	-2.2	7.5	7	-4.0	29,30			72		17	31	17	13	4	1	0	0	0	4	15	23		0			
		ABER	6.9	2.2	4.5		11.6	23	-2.5	4		5.3	97		19	5	15	11	1	0	4	0	0	0	3	12		0	0.78		
		KNAPDALE FOREST	4.5	-1.1	1.7		7.2	23	-9.5	4			72		10	6	20	18	5	1	0	1	0	1	15	23		0			
1977	JANUARY	GLENMORE LODGE	3.0	-3.9	-0.5		10.9	4	-13.8	13			90	94	16	10	21	12	11	18	0	0	0	2	24	28	26	0	1.07		
		HELENSBURGH	4.7	-0.8	1.9	-0.8	9.5	4,5	-6.8	13																					
		GIRDSTINGWOOD																											1.43		
	FEBRUARY	GLENMORE LODGE	4.0	-2.9	0.5		7.4	14	-10.4	1			58	78	7	6	20	24	13	15	0	0	0	0	23	28	26	0	2.96		
		BALMORAL	3.4	-2.9	0.3	-0.4	6.4	2	-11.5	13			70	112	16	10	18	14	9	10	0	0	0	0	23	26		0			
	MARCH	INVERPOLLY											67		11	2	20	15													
		GLENMORE LODGE	7.6	0.6	4.1		13.5	7,8	-8.7	1			108	159	23	15	26	21	5	6	0	0	0	0	12	27	13	0	2.76		
		ARDTALNAIG	8.3	2.4	5.3		10.8	16	-2.2	1			209	235	32	15	26	22	2	0	0	1	0	1	6	9		2	2.35		
		MONTROSE											60	137	13	13	19	16													
		ST ABBS HEAD																								5	4				
		GLENLEE	9.0		5.5	0.7																									
	APRIL	BENMORE (YBG)											228	152	36	21	25	22													

Averages for 1941-70 were brought into use on 1-1-1974. Additions or corrections for months prior to this date refer to the averages in use at the time.

(x) Urban rooftop site.

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MONTHLY WEATHER REPORT

JUNE 1977

VOLUME 94 NUMBER 6

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

Cool: very wet in places, but dry and sunny in north-west.

A large anticyclone over the British Isles drifted westwards on the 3rd, allowing frontal troughs to move south across all districts on the 4th and 5th. A depression moved from the north-west to Northern Ireland on the 6th and reached the North Sea on the 7th. It then moved slowly northwards, and the British Isles remained within its general circulation, but southern Britain was affected by depressions from the continent between the 10th and the 14th. Pressure was rising to the west of Scotland, however, and an anti-cyclone remained there until the 20th before moving across Scotland to the North Sea and subsequently drifting to Biscay. This feature dominated the weather over the British Isles until the 25th. From then until the end of the month troughs of low pressure from the Atlantic crossed all districts.

Weather

The month began dry and sunny, and it was very warm in the north. Cooler weather reached all districts by the 5th, however, and out-breaks of rain, showers and thunderstorms occurred until the 14th. Sleet fell on high ground in Scotland. Dry weather returned in the second half of the month, although it remained dull and cool in southern England. Northern Britain had a warm spell around the end of the third week, but unsettled weather reached most areas during the last week, and there were further thunderstorms. Fog mostly occurred on coasts and hills in the second half of the month and snow lay later than usual in June on the higher slopes of the Scottish mountains.

Wind

Winds were mostly light at first, with sea-breezes developing, but became fresh or strong in exposed places until mid-month, occasionally reaching gale force locally. Many stations recorded their maximum gust for the month between the 5th and the 7th, the wind gusting to 66 kt at the high-level station at Snaefell (Isle of Man) on the 5th. Blustery winds capsized yachts competing in races in the south-east on the 6th and there were strong gusts during heavy showers in many areas on the 7th. Winds were lighter during the second half of the month, but freshened in the north on the 30th, when places there had their highest gust for the month. Directions were cyclonic at times between the 4th and the 14th, but were mainly between north and west at first. North to north-east winds became established around mid-month and were generally maintained until the 24th. Directions became south-west to north-west during the remainder of the month.

Temperature

Monthly mean temperatures were below average in all areas, by amounts ranging from between 2.5 and 3.0 °C over the south Midlands and parts of central southern England to rather less than 1.0 °C in parts of southern Scotland. In most places this was the coolest June since 1972, but there were some warm days. Parts of the north became very warm at the beginning of the month and several places recorded temperatures of about 26 °C on the 3rd. The nights were cold, however, and there were large diurnal ranges of temperature. By the 5th almost all areas had become cool, and on the 6th the Glasgow area, with a maximum of only 7.0 °C at Abbotsinch Airport, had one of its coldest June days this century. It remained generally cool until the 20th, although parts of south-east England and East Anglia had a very warm day on the 13th, when the temperature rose to 26.6 °C at Santon Downham (Norfolk). Many northern districts became very warm again between the 21st and the 24th and Fort Augustus (Highland Region) recorded a temperature of 26.3 °C on the 23rd. The rest of the month was cooler. Ground frost occurred in many areas in June and air frost was occasionally reported.

Rainfall

In Northern Ireland monthly totals were generally between 50 and 100 per cent of average, but there were marked contrasts in rainfall distribution in Scotland, where amounts ranged from less than 40 per cent of the normal in some western parts to around 250 per cent of average in Lothian. Tiree, in the Inner Hebrides, had its driest June since 1941, while it was the wettest June in the Edinburgh area since 1928. Parts of North Wales were also very wet and rainfall was above average over most of England, where many places had well over 150 per cent of their normal rainfall and 250 to 300 per cent of the average fell in the south-west Midlands. In East Anglia, however, a few places recorded only about half their normal amount for June. Thunder-storms, which occurred in many parts of England between the 6th and the 14th, were widespread in the south on the night of the 13th/14th, causing floods and damaging property and crops. Lightning disrupted computer operations at the Meteorological Office Headquarters in Bracknell (Berkshire) and a 'very rare' fall of 57 mm in 42 minutes occurred at Biggin Hill (Greater London). A man was killed by lightning at St Helens (Merseyside), when the storms spread northwards on the 14th. There were further thunderstorms towards the end of the month, particularly on the 28th, when hail shattered greenhouses at Exeter (Devon) and the city centre was flooded.

Sunshine

Most of Scotland had a sunny month, with totals below average only in the Northern Isles and along eastern and northern coasts. Tiree, in the Inner Hebrides, had its sunniest June since 1957. Sunshine was also above average in Northern Ireland, north-west England, the Isle of Man and Anglesey, but was below normal elsewhere. East Anglia, the south Midlands and most of southern England had a very dull month and at Southampton it was the dullest June since 1909. Over much of south-east England the period from the 17th to the 21st was completely sunless and this was the longest spell of consecutive sunless days in June at Kew Observatory (Greater London) since sunshine records began there in 1880. In most northern areas sunny days occurred from time to time throughout the month.

Fog

Fog formed chiefly on coasts and hills and was sometimes associated with pre-cipitation. It occurred in the far north at the beginning of the month, in parts of southern England and South Wales around mid-month, and more widely during the last week, when there were also overnight fog patches in central England.

Miscellaneous Phenomena

An unusual example of ball lightning was reported on the 8th from the Coastguard Station at Fishguard (Dyfed). At 0227 GMT an exceptionally large brilliant yellow-green transparent ball was observed descending from towering cumulus cloud over Garn Fawr mountain. The object appeared to float down the hillside, bouncing off projections on the ground. On the 28th a funnel cloud was observed from Exeter Airport (Devon) at 1250 GMT. The aurora was not seen in Scotland in June.

Table 1 District values

District	air temperature °C					mean 30-cm earth temp °C	rain-days	rainfall	sun-shine
	Highest Max *	Lowest Min.*	max.	min.	mean				
			difference from average					% of average	
0 Scotland N	24.7	1.0	-1.0	-1.6	-1.3	-0.8	-3	85	104
1 Scotland E	26.1	-0.2	-1.2	-1.1	-1.2	-0.3	-2	119	106
2 England E & NE	25.0	-1.5	-2.6	-1.3	-1.9	-0.8	+2	139	81
3 East Anglia	24.4	2.5	-2.9	-1.3	-2.1	-1.8	+2	101	61
4 Midland Counties	25.5	0.3	-2.8	-1.7	-2.3	-1.6	+1	178	79
5 England SE & Central S	26.2	1.7	-3.0	-1.2	-2.1	-1.9	+3	136	62
6 Scotland W	24.7	1.0	-0.6	-1.6	-1.1	-0.2	-3	58	127
7 England NW & Wales N	24.2	1.0	-1.6	-1.2	-1.4	-1.3	0	159	98
8 England SW & Wales S	24.5	2.5	-2.3	-1.3	-1.8	-1.4	+1	125	73
N Ireland	25.0	0.2	-0.7	-1.4	-1.1	-0.1	-4	72	106
Scotland	26.1	-0.2	-0.9	-1.4	-1.2	-0.4	-3	87	112
England & Wales	26.2	-1.5	-2.5	-1.3	-1.9	-1.5	+1	140	76

*Highest maximum and lowest minimum of District Value Stations.

FHL

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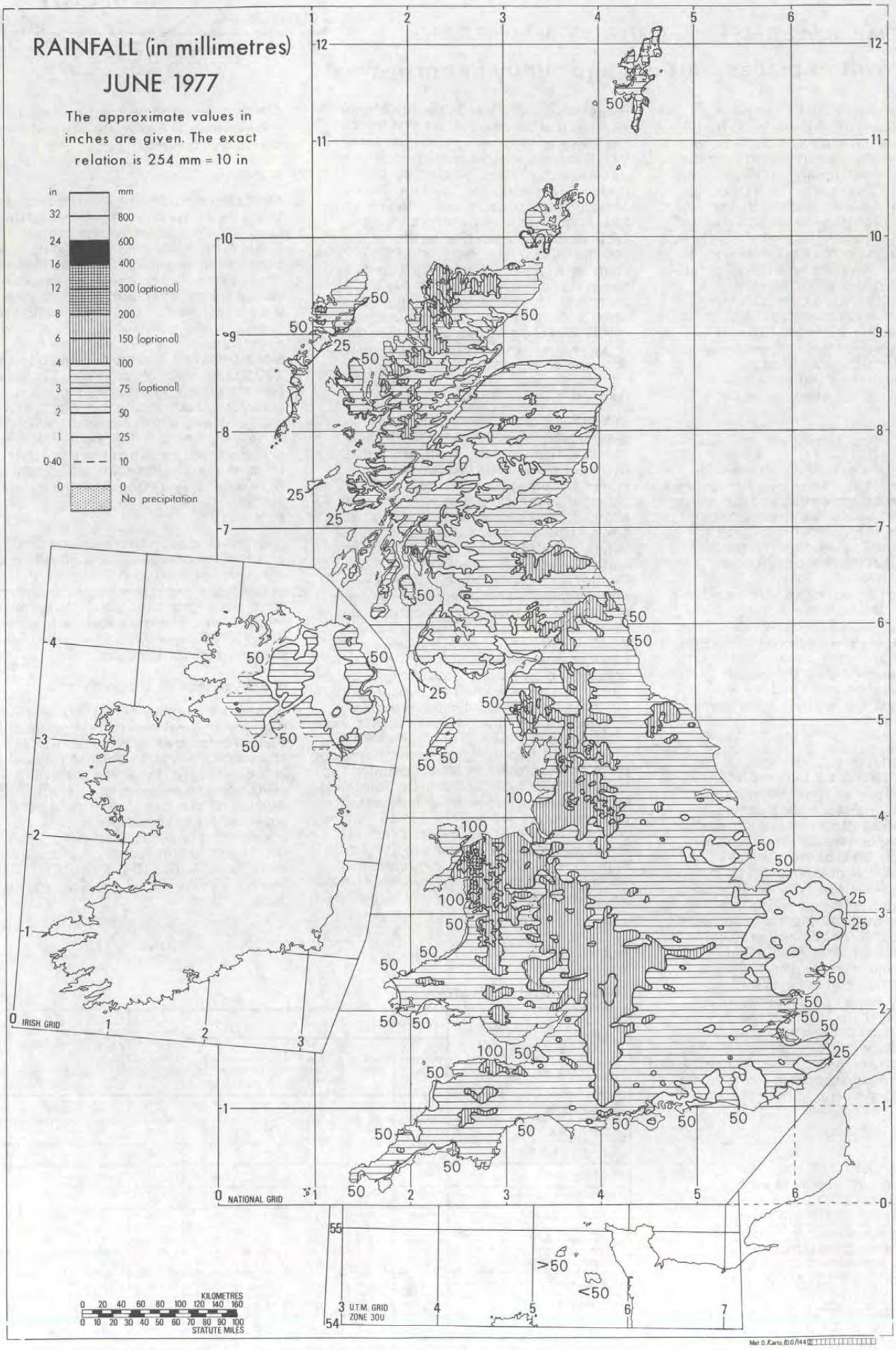
Additional to Monthly Parts, each Annual Volume of the Weather Report includes an explanatory Introduction and a Summary for the Year.

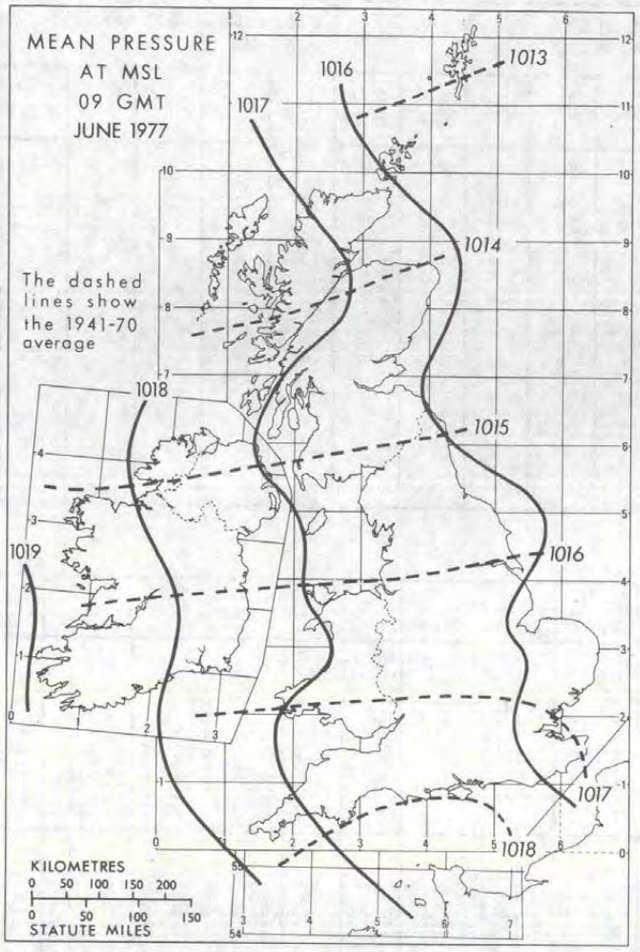
RAINFALL (in millimetres)
JUNE 1977

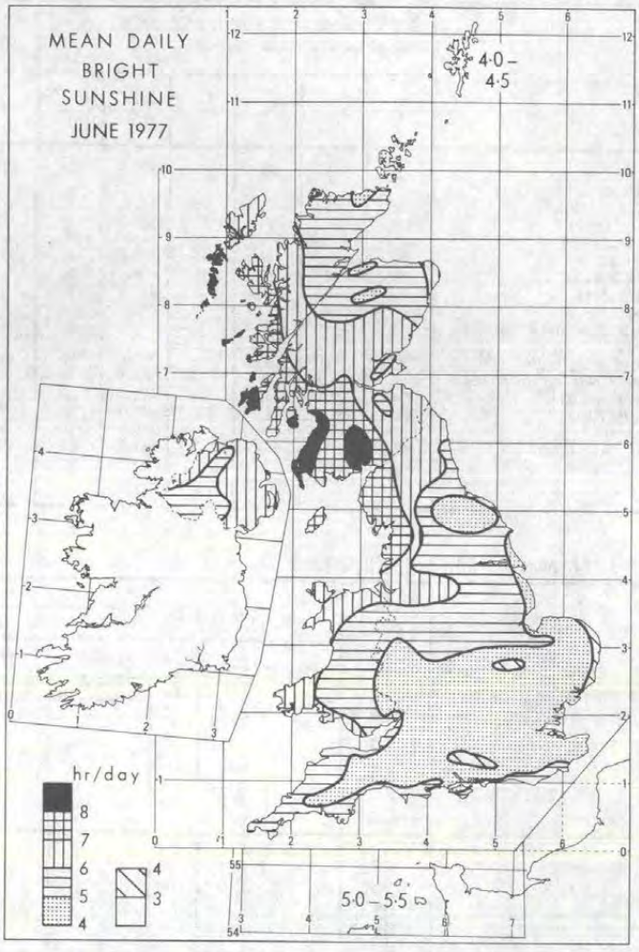
The approximate values in inches are given. The exact relation is 254 mm = 10 in

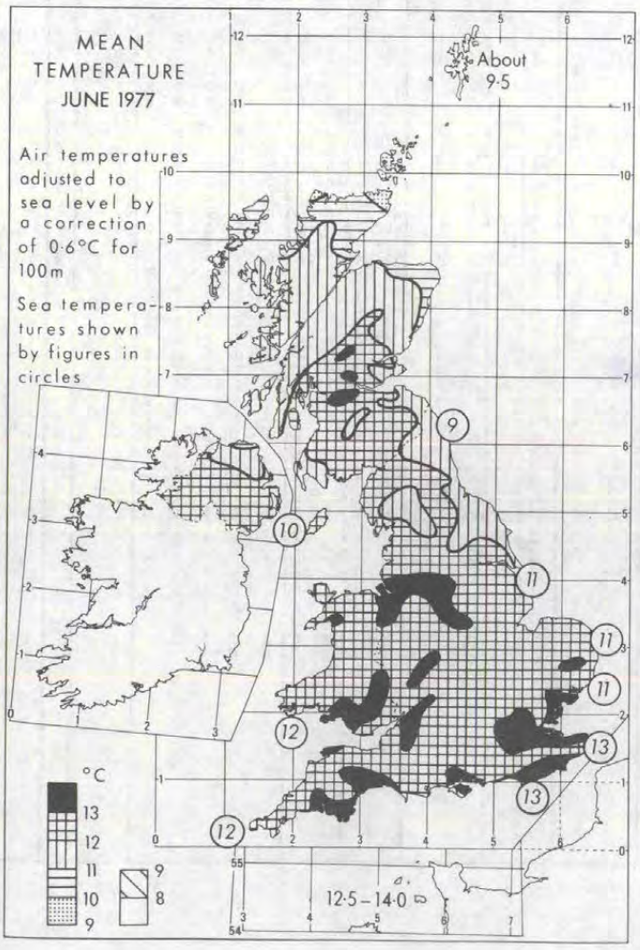
in	mm
32	800
24	600
16	400
12	300 (optional)
8	200
6	150 (optional)
4	100
3	75 (optional)
2	50
1	25
0·40	10
0	0 No precipitation



Met O./Carto/10.0/1442


MEAN PRESSURE AT MSL 09 GMT JUNE 1977
The dashed lines show the 1941-70 average
1013
1016
1017
1014
1018
1015
1016
1019
1017
1018
KILOMETRES
0 50 100 150 200
0 50 100 150
STATUTE MILES


MEAN DAILY BRIGHT SUNSHINE JUNE 1977
4·0–4·5
hr/day
8
7
6
5
4
4
3
5·0–5·5


MEAN TEMPERATURE JUNE 1977
Air temperatures adjusted to sea level by a correction of 0·6°C for 100m
Sea temperatures shown by figures in circles
About 9·5
9
10
11
11
11
12
13
13
12
°C
13
12
11
10
9
9
8
12·5–14·0

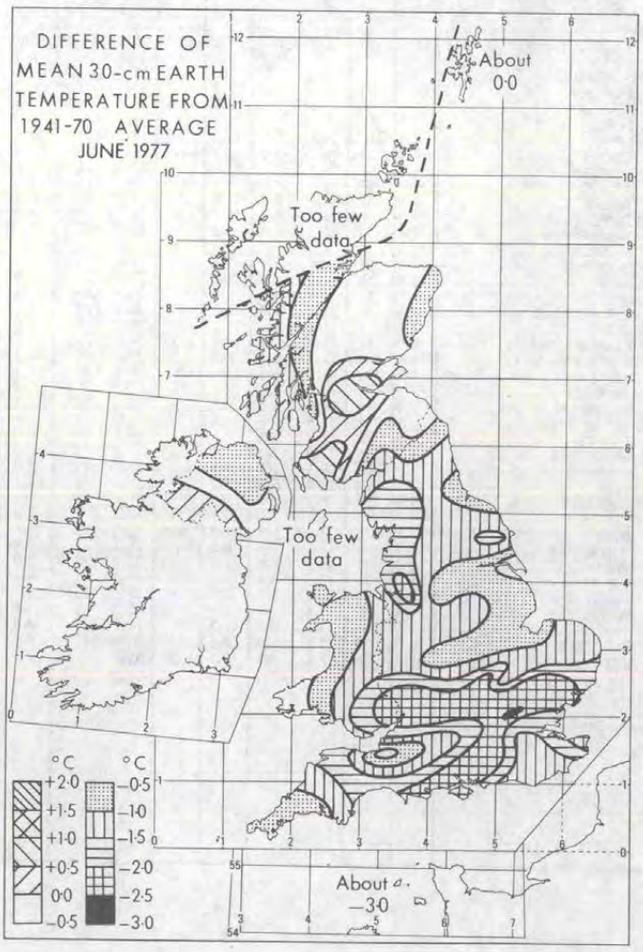

DIFFERENCE OF MEAN 30-cm EARTH TEMPERATURE FROM 1941-70 AVERAGE JUNE 1977
About 0·0
Too few data
Too few data
°C
+2·0
+1·5
+1·0
+0·5
0·0
−0·5
°C
−0·5
−1·0
−1·5
−2·0
−2·5
−3·0
About −3·0

TABLE 2 SOLAR RADIATION AND ILLUMINATION

JUNE 1977

STATION	GLOBAL RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						DIFFUSE RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						GLOBAL ILLUMINATION ON A HORIZONTAL SURFACE (KILOLUX-HOURS)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	734	6	188	2	405.5	30	424	26	159	3	288.2	30	855	6	241	3	490.1	30
ABERDEEN UNIVERSITY																		
ESKDALEMUIR	880	21	75	13	531.0	30	410	11	70	13	250.6	30	1198	21	112	13	727.7	30
ABERPORTH	855	1	66	10	520.3	29	429	19	64	10	242.7	29						
CARDINGTON																		
SILSOE	793	1	89	15	411.5	30	385	27	89	15	277.2	30						
ROTHAMSTED	878	23	100	15	403.4	30												
GARSTON	763	1	92	15	387.8	30												
WALLINGFORD	747	1	81	14	345.1	30												
LONDON WEATHER CENTRE																		
KEW																		
EASTHAMPSTEAD	748	1	82	15	382.6	30	356	24	81	15	243.8	30	945	23	121	15	498.6	30
EAST MALLING	725	1	48	17	394.3	30												
RUSTINGTON	896	23	108	15	459.2	30												
EVERTON	832	3	89	12	406.7	30												
WAREHAM	772	2	99	19	425.8	30												
JERSEY AIRPORT	847	1	85	5	437.3	30	418	2	84	5	235.0	30	1051	29	134	5	575.0	30
ALDERGROVE																		

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JUNE 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
0 SCOTLAND N																														
SHETLAND																														
BALTASOUND	9 9	24	12.3	6.7	9.5	-1.0	15.3	23	3.6	6	9.6	-	64	101	11	13	16	12	0	0	0	0	0	1	0	-	-	0	4.64	92	-
FAIR ISLE	9 9	57	10.9	7.1	9.0	-	13.5	26	3.6	7	9.7	8.8	46	-	19	13	15	8	1	0	0	0	1	1	0	1	-	0	5.49	-	-
LERWICK	21-9	82																												
PSYCHROMETER			11.3	6.7	9.0	-	13.9	13	3.2	7	-	-	55	-	15	13	15	11	0	0	0	0	0	1	0	2	-	0	3.75	74	-
SCREEN			11.4	6.6	9.0	-1.1	13.8	13	3.0	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORKNEY																														
KIRKWALL AIRPORT	21-9	26	12.4	6.7	9.5	-1.5	16.9	1	2.8	6	-	-	75	137	22	13	17	12	0	0	0	1	0	0	0	1	0	0	4.80	90	-
WEYLAND	9 9	24	12.3	7.2	9.7	-	17.4	24	3.5	7	11.7	-	68	-	23	13	15	10	0	0	0	0	0	0	0	1	-	0	-	-	-
WESTERN ISLES																														
BENBECULA	21-9	6	14.4	7.7	11.1	-1.2	18.3	23	4.1	15	-	-	25	-	7	29	13	8	0	0	0	1	0	0	0	5	0	0	8.19	127	-
STORNOWAY	21-9	3	13.1	7.0	10.1	-1.6	20.8	23	1.7	7	-	-	57	-	11	13	16	11	0	0	0	3	0	0	0	1	0	0	6.49	113	-
HIGHLAND																														
ACHANY	9 9	107	14.6	5.6	10.1	-	23.5	23	0.2	6	10.4	-	55	-	12	13	15	10	0	0	0	0	1	0	0	4	-	0	5.03	-	-
ACHNASHELLACH	9 9	67	16.2	6.5	11.3	-1.1	24.7	23	2.3	7	-	-	99	78	17	30	15	13	0	0	0	0	0	0	0	-	-	0	-	-	-
BALMACARA	9 9	4	15.8	7.2	11.5	-	23.2	23	2.7	7	-	-	42	43	5	13	15	11	0	0	0	0	0	0	0	-	-	0	-	-	-
CAPE WRATH	21-9	112	10.9	7.4	9.1	-1.6	18.0	23	3.0	10	-	-	92	114	16	4	16	15	0	0	0	0	0	0	0	0	0	0	4.90	-	-
CASSLEY	9 9	99	14.1	6.8	10.5	-	(23.0)	23	2.0	6	-	-	98	-	17	13	17	14	-	-	-	-	-	-	0	2	-	-	-	-	-
CORPACH	9 9	8	17.2	6.3	11.7	-	24.8	22	1.6	7	-	-	59	-	9	6	17	13	0	0	0	0	0	0	0	3	-	0	-	-	-
CRAIGDARROCH	9 9	38	16.3	6.3	11.3	-	25.4	23	0.8	6	-	-	44	-	11	13	14	10	0	0	0	0	0	0	0	3	-	0	-	-	-
DALCROSS	9 9	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DALWHINNIE	9 9	351	14.0	4.1	9.1	-	22.8	21	-1.0	29	-	-	49	-	8	13	13	11	1	0	0	0	0	0	2	5	-	0	5.42	-	S
DIABAIG	9 9	46	14.8	7.6	11.2	-	23.0	23	2.5	7	-	-	79	-	21	7	16	15	0	-	0	0	0	0	0	-	-	0	-	-	S
DOUNREAY	9 9	21	12.9	7.0	9.9	-	21.5	23	2.5	7	-	-	92	164	19	13	15	11	0	0	0	0	3	0	0	0	-	0	4.91	-	-
FORT AUGUSTUS	9 9	21	15.8	7.3	11.5	-1.2	26.3	23	2.2	29	-	-	38	-	6	8	11	10	0	0	0	0	0	0	0	-	-	0	5.42	114	-
FORTROSE	9 9	5	13.9	8.5	11.2	-1.4	20.5	2	5.0	6.7	-	-	39	75	13	13	9	8	-	0	-	-	-	1	0	-	-	-	5.04	94	-
GLENMORE LODGE	9 9	341	13.9	4.6	9.3	-	24.5	23	-0.9	6	-	-	109	150	20	7	20	15	0	0	0	0	0	1	0	2	9	2	0	4.82	-	S
GRANTOWN-ON-SPEY	9 9	229	14.6	5.1	9.9	-	25.2	23	-0.7	6	-	-	55	-	13	13	20	9	0	0	0	0	0	1	0	2	12	-	0	5.64	-	-
HEASTE	9 9	109	14.0	6.6	10.3	-	20.9	23	3.4	7	-	-	54	-	7	29	16	13	0	0	0	0	0	0	0	0	-	0	-	-	-
INVERNESS	9 9	4	-	8.1	-	-	-	-	4.0	6	-	-	47	88	17	13	12	6	0	0	0	0	0	0	0	-	-	0	5.16	-	-
INVERPOLLY	9 9	14	14.0	7.0	10.5	-	21.5	23	2.9	15	11.4	-	82	-	14	12	15	13	0	0	0	0	0	0	0	-	-	0	-	-	-
ISLE OF RHUM	9 9	5	15.4	6.6	11.0	-	22.9	23	3.4	1	13.6	11.6	33	20	9	29	14	8	0	0	0	0	0	0	0	5	-	0	-	-	-
KEISS	9 9	30	12.8	6.3	9.5	-	18.5	3	0.9	7	11.5	10.1	66	-	20	13	15	12	0	0	0	0	0	1	0	1	-	0	5.20	-	-
KNOCKANROCK	9 9	244	12.8	6.1	9.5	-	21.8	23	2.0	6	-	-	123	99	27	27	15	14	0	0	0	0	0	0	0	-	-	0	-	-	-
LAGGANLIA	9 9	250	15.2	3.9	9.5	-	25.1	23	-2.0	1	-	-	48	-	6	7	16	12	0	0	0	0	0	0	5	9	-	0	-	-	-
LAIRG	9 9	107	15.0	5.4	10.2	-	24.0	23	0.1	6	11.2	9.4	55	-	11	30	16	9	0	0	1	0	1	0	0	4	-	0	-	-	-
LENTRAN	9 9	146	14.2	-	-	-	21.7	24	-	-	-	-	49	-	11	13	13	8	-	0	-	-	-	-	1	2	-	-	-	-	-
NAIRN	9 9	6	14.9	7.4	11.1	-1.4	22.8	2	2.2	6.21	-	-	57	113	15	8	14	10	0	0	0	0	0	0	0	2	-	0	5.10	92	-
ONICH	9 9	15	17.0	5.9	11.5	-1.0	23.5	22	1.0	7	-	-	51	39	15	29	13	12	-	0	-	-	-	0	0	2	-	0	6.15	129	S
POOLEWE	9 9	6	14.6	7.3	10.9	-	21.9	23	2.8	7	-	-	79	-	12	30	15	13	0	0	0	1	0	0	0	0	-	0	6.77	-	S
PRABOST	9 9	67	14.7	6.6	10.7	-	22.7	23	3.2	8	-	-	50	45	10	7	13	10	0	0	0	0	0	3	0	3	-	0	7.59	-	-
RUBH RE	21-9	16	12.3	8.4	10.3	-	19.0	23	4.7	6	-	-	68	-	11	13	14	11	0	0	0	0	0	0	0	0	0	2	-	-	-
STRATHCONON	9 9	107	16.1	5.8	10.9	-	25.8	23	0.4	6	-	-	45	-	10	13	16	10	0	0	0	1	0	-	0	-	-	0	-	-	-
TARBATNESS	21-9	18	13.6	7.8	10.7	-1.4	20.2	2	4.0	6	-	-	54	-	15	7	10	8	0	0	0	0	0	2	0	-	-	0	-	-	-
TOMATIN	9 9	311	13.7	4.7	9.2	-	24.0	23	-0.5	6	-	-	69	-	16	7	15	11	0	-	0	1	1	-	1	-	-	0	-	-	-
TORRISDALE	9 9	27	12.9	6.9	9.9	-	20.9	23	1.6	6	-	-	82	-	19	13	18	15	0	0	0	0	0	0	0	1	-	1	5.45	-	-
WICK	21-9	36	12.8	6.5	9.7	-1.3	19.4	2.3	1.0	7	-	-	60	121	22	13	15	11	0	0	0	1	0	1	0	3	1	0	5.47	100	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — JUNE 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL H(GMT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
1 SCOTLAND E																																
GRAMPIAN																																
ABERDEEN																																
DYCE AIRPORT	21-9	58	14.7	7.1	10.9	-1.1	24.0	24	0.8	21	-	-	57	101	11	13	14	11	0	0	0	1	0	0	0	3	0	0	5.75	99	-
MANNOFIELD	9 9	16	13.8	7.2	10.5	-1.6	23.8	3	1.6	21	-	-	54	100	11	11	14	11	0	0	0	2	0	0	0	-	-	0	-	-	-
BALMORAL	8 8	283	14.6	4.8	9.7	-1.6	23.3	23	-1.1	6	-	-	57	108	17	24	14	11	0	0	0	0	0	2	5	-	-	0	-	-	-
BANCHORY	8 8	77	15.8	7.0	11.4	-	25.7	3	1.5	6.21	-	-	60	-	13	13	14	9	0	0	0	1	0	0	0	0	0	0	5.59	-	-
BANFF	9 9	24	13.6	8.2	10.9	-	22.1	24	4.7	6.21	-	-	69	125	24	24	15	9	0	0	0	0	1	0	0	-	-	1	5.55	-	S
BRAEMAR	9 9	339	15.6	4.8	10.2	-1.3	24.0	3,22	-0.2	29	-	-	44	80	11	13	12	10	-	0	-	-	-	0	1	10	-	-	6.79	126	S
CLASHNOIR	9 9	338	13.3	5.1	9.2	-	24.0	23	-0.1	6	10.0	-	72	-	11	8	16	14	1	0	0	1	1	0	1	2	-	1	4.68	-	-
CRAIBSTONE	9 9	91	14.0	6.8	10.4	-1.5	24.3	3	1.8	21	11.4	9.9	64	110	11	11	15	11	0	0	0	0	0	1	0	2	-	0	5.78	97	-
CULTERTY	9 9	3	13.9	6.8	10.3	-	22.8	3	0.2	21	-	-	50	106	12	11	12	8	0	-	-	0	0	1	0	0	-	0	-	-	-
ELGIN	9 9	15	14.5	7.5	11.0	-	22.1	24	2.0	21	-	-	55	96	19	24	14	10	-	-	-	-	-	-	0	0	-	-	5.01	-	-
FOREHILL	9 9	40	13.1	7.0	10.1	-	21.0	3	1.0	22	-	-	41	-	8	13	11	8	-	-	-	-	-	-	0	0	-	-	-	-	-
FORRES	9 9	5	15.0	8.0	11.5	-1.2	21.6	24	3.7	1	14.6	12.7	69	-	20	24	14	8	0	0	0	0	0	0	0	0	-	0	4.74	83	-
FRASERBURGH	21-9	19	12.9	8.2	10.5	-	20.5	24	5.8	6	-	-	37	85	8	4	10	6	0	0	0	0	0	0	0	0	0	0	6.40	-	-
FYVIE CASTLE	9 9	55	14.6	6.8	10.7	-	23.0	24	0.0	21	-	-	63	110	13	24	13	12	0	-	-	0	0	0	-	0	2	-	1	-	-	-
GARTLY	9 9	146	14.5	6.5	10.5	-	23.1	23	0.2	21	-	-	70	-	16	24	20	12	-	-	-	-	-	-	0	4	-	-	-	-	-
GLENLIVET	21-9	215	14.3	5.7	10.0	-	25.4	23	0.3	21	-	-	77	106	13	13	18	13	0	0	0	0	1	0	0	4	0	0	5.07	-	S
INVERURIE	9 9	54	15.5	6.6	11.1	-	24.6	3	1.0	21	-	-	56	-	10	13	14	9	0	0	0	0	0	0	0	4	-	0	5.24	-	-
KEITH	9 9	106	14.2	6.4	10.3	-	21.5	24	0.9	21	-	-	66	-	12	13	18	9	0	-	0	1	1	-	0	1	-	0	5.52	-	-
KINLOSS	21-9	5	14.9	7.9	11.4	-1.3	22.1	24	3.2	6	11.5	-	55	103	21	24	14	8	0	0	0	0	0	0	0	1	0	0	5.49	-	-
LOSSIEMOUTH	21-9	6	14.1	7.6	10.9	-	20.9	24	1.6	21	-	-	52	97	18	24	14	8	0	0	0	0	0	0	0	2	0	0	-	-	-
TAYSIDE																																
ARBROATH	9 9	28	14.5	8.0	11.3	-	25.5	3	4.6	8	-	-	56	125	13	7	13	9	0	0	0	0	0	2	0	0	-	0	6.59	103	-
ARDTALNAIG	9 9	130	17.7	7.1	12.4	-	25.6	22	4.1	8	-	-	45	63	20	6	11	7	0	0	0	0	1	0	0	0	-	0	6.77	-	-
DRUMMOND CASTLE	9 9	113	16.9	6.9	11.9	-	23.0	2	3.2	6	13.5	-	67	-	14	6	12	8	0	0	0	0	1	-	0	4	-	0	6.55	-	-
DUNDEE	9 9	45	16.5	8.1	12.3	-1.0	26.1	3	4.8	7.8	14.6	-	56	98	15	6	12	9	0	0	0	0	0	1	0	1	-	0	5.92	106	-
FASKALLY	9 9	94	17.4	6.5	11.9	-	23.8	1	2.1	29	13.6	11.7	33	52	6	12	12	9	0	0	0	0	0	0	0	2	-	0	-	-	-
KINDROGAN	9 9	259	16.0	4.6	10.3	-	22.5	2	0.4	8	-	-	42	-	11	9	12	9	0	0	0	0	0	0	0	11	-	0	-	-	-
KINROSS	9 9	116	16.0	5.5	10.7	-	24.5	3	1.2	8,21	13.0	-	80	-	26	6	13	10	-	0	-	-	-	-	0	0	-	-	6.06	-	-
MONTROSE	9 9	57	14.3	7.4	10.9	-	24.0	3	2.7	6	-	-	62	129	11	28	13	11	0	0	0	0	0	0	0	0	-	0	-	-	-
MYLNEFIELD	9 9	30	15.8	7.9	11.9	-	24.1	3	4.1	6	13.1	10.4	54	104	16	6	13	10	0	0	0	0	0	0	0	4	-	0	6.70	-	-
PERTH	9 9	23	17.4	7.8	12.6	-1.1	25.0	2	4.2	7.10	-	-	41	72	10	12	13	8	-	0	-	-	-	1	0	2	-	-	6.31	106	-
STRATHALLAN	9 9	41	17.3	7.6	12.5	-	24.7	3	3.6	8	-	-	57	-	18	6	12	9	0	0	0	0	0	0	0	1	-	0	-	-	-
USAN	21-9	30	13.8	7.8	10.8	-	(24.2)	3	3.5	6	-	-	74	-	12	25	12	11	0	0	0	0	0	0	0	0	0	0	6.71	-	-
WHITEHILLOCKS	9 9	258	15.3	5.2	10.3	-	24.3	3	-0.2	6	-	-	53	74	11	9	14	9	0	0	0	0	0	0	1	7	-	0	-	-	S
FIFE																																
BELLISTON	9 9	82	14.9	7.7	11.3	-	24.6	3	3.2	2	12.7	-	105	198	37	6	10	10	0	0	0	0	0	1	0	0	-	0	-	-	-
CUPAR	9 9	36	16.3	7.6	11.9	-	25.3	3	2.5	6	14.3	-	80	-	25	6	12	10	0	0	0	0	0	-	0	1	-	0	5.86	-	-
GLENROTHES	9 9	117	15.3	7.0	11.1	-	24.2	3	2.8	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	5.68	-	-
LEUCHARS	21-9	10	15.3	7.8	11.5	-1.2	25.5	3	3.0	6	-	-	68	148	19	6	12	10	0	0	0	0	0	0	0	2	0	0	6.24	97	-
PITREAVIE	21-9	40	16.0	8.1	12.1	-	24.3	2	3.6	8	-	-	77	146	27	6	12	10	0	0	0	0	1	0	0	0	0	0	-	-	-
ST ANDREWS	9 9	18	15.4	8.4	11.9	-	25.3	3	4.6	6	13.9	11.7	76	166	22	6	12	10	0	0	0	0	0	0	0	0	-	0	6.29	-	-
LOTHIAN																																
BLACKBURN SEWAGE WORKS	9 9	131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BUSH HOUSE	9 9	184	15.1	6.6	10.9	-	22.9	2	1.9	21	12.9	11.2	122	214	41	6	13	11	0	0	0	1	1	2	0	1	-	0	5.44	-	-
DUNBAR	9 9	23	14.7	8.2	11.5	-1.1	23.9	3	3.4	21	-	-	81	213	25	6	11	7	0	0	0	0	0	1	0	0	-	0	6.02	91	-
EDINBURGH																																
EAST CRAIGS	9 9	61	16.2	7.6	11.9	-	24.0	2,3	3.0	8	13.9	-	83	-	33	7	11	8	0	0	0	0	2	0	0	-	-	0	6.57	-	-
ROYAL BOTANIC GARDEN	9 9	26	16.1	8.4	12.3	-0.9	24.3	2	4.5	21	14.4	-	97	205	28	6	11	9	0	0	0	0	0	1	0	2	-	0	6.06	100	-
ROYAL OBSERVATORY BLACKFORD HILL	9 9	134	16.0	7.7	11.9	-1.0	24.0	3	3.6	7	-	-	113	240	32	6	12	11	0	0	0	0	2	2	0	0	-	0	5.67	94	-
TURNHOUSE AIRPORT	21-9	35	16.5	8.0	12.3	-0.6	24.8	2	3.0	8	-	-	95	203	31	6	11	10	0	0	0	0	2	0	0	4	0	0	6.17	104	-
HADDINGTON	9 9	49	16.2	7.2	11.7	-	24.6	3	1.9	21	-	-	114	272	28	6	10	10	0	0	0	0	0	0	0	-	-	0	-	-	-
LIVINGSTON	9 9	125	16.6	6.6	11.6	-	24.5	2	2.0	8	-	-	81	-	33	7	12	8	0	0	0	0	2	0	0	1	-	0	-	-	-
NUNRAW ABBEY	9 9	195	14.5	6.8	10.7	-	21.8	2,3	2.3	21	-	-	138	-	33	6	11	10	0	0	0	0	0	2	0	-	-	0	-	-	-
PATHHEAD	9 9	131	15.4	7.3	11.3	-	23.4	3	1.9	21	13.0	-	110	-	27	6	13	12	0	0	0	0	0	1	0	0	-	0	-	-	-
PENICUIK	9 9	189	15.7	6.6	11.1	-1.4	23.5	2	1.0	21	13.2	-	123	208	43	6	14	11	0	0	0	0	2	1	0	0	-	0	5.77	100	S
BORDERS																																
BLYTH BRIDGE	9 9	253	15.1	6.1	10.6	-	22.5	22	1.7	8	-	-	77	129	26	6	12	10	0	0	0	2	1	0	0	5	-	0	6.05	-	-
BLYTHE	9 9	262	15.1	6.0	10.5	-	23.2	3	1.3	21	-	-	86	148	25	6	13	9	-	0	-	-	-	0	0	-	-	-	6.71	-	-
BONCHESTER BRIDGE	9 9	146	16.3	-	-	-	24.5	3	-	-	-	-	95	-	27	6	11	8	0	0	0	0	0	0	0	-	-	0	-	-	-
BOWHILL (SELKIRK)	9 9	168	16.6	6.6	11.6	-	24.8	3	1.5	22	-	-	79	126	21	6	10	9	0	0	0	0	1	0	0	-	-	0	-	-	-
FLOORS CASTLE	9 9	59	16.1	7.3	11.7	-	23.9	2,3	2.2	21	-	-	67	131	18	6	9	7	0	0	0	0	0	0	0	-	-	0	-	-	-
GALASHIELS	9 9	198	15.4	6.6	11.0	-	23.1	3	1.1	21	-	-	61	-	18	12	10	7	0	0	0	0	1	0	0	2	-	0	6.11	-	-
GLENTRESS	9 9	165	16.8	6.3	11.5	-	25.0	22,23	1.5	22	-	-	73	131	19	6	10	9	-	0	-	-	-	0	0	-	-	-	-	-	-
GREYCROOK	9 9	76	16.9	6.7	11.8	-	25.4	3	0.5	21	14.5	-	75	-	20	12	9	8	0	0	0	0	0	-	0	0	-	0	-	-	-
KELSO	9 9	34	16.7	7.6	12.1	-	25.5	3	3.5	21	-	-	64	-	21	6	10	7	0	0	0	0	0	0	0	1	-	0	-	-	-
LEITHOLM	9 9	64	15.9	6.8	11.3	-	25.6	3	1.9	21	13.1	-	68	-	23	6	12	9	0	0	0	0	0	1	0	0	-	0	6.46	-	-
ST ABBS HEAD	9 9	75	13.2	8.1	10.7	-1.3	24.0	3	4.0	7	-	-	-	-	-	-	-	-	0	0	0	0	0	3	0	0	0	2	-	-	-
STANHOPE FARM	9 9	226	15.8	5.8	10.8	-	24.7	23	0.5	21	-	-	72	106	22	6	13	10	0	0	0	0	0	0	0	0	-	0	-	-	-
WEST LINTON	9 9	244	15.5	6.0	10.7	-1.1	22.3	3	1.4	8	11.8	10.0	87	139	32	6	10	10	0	0	0	0	0	1	0	0	-	0	-	-	-
WHITCHESTER	9 9	255	14.4	6.1	10.3	-	23.3	3	1.3	21	-	-	108	166	37	6	12	11	0	0	0	1	0	-	0	-	-	1	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — JUNE 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
6 SCOTLAND W																															
STRATHCLYDE																															
ACHAGLACHGACH	9 9	12	16.7	6.5	11.6	-	23.0	23	2.1	1	-	-	53	54	17	4	14	10	0	0	0	0	0	0	0	6	-	0	-	-	-
AROS	9 9	37	17.1	5.8	11.5	-	23.2	23	2.2	1	-	-	30	-	10	29	10	8	0	0	0	0	0	0	0	14	-	0	-	-	-
AUCHINCRUIVE	9 9	45	16.1	8.0	12.1	-1.0	22.1	23	4.1	7	12.9	11.3	36	58	10	6	12	10	0	0	0	0	0	0	0	0	-	0	8.35	140	-
BARRHEAD	9 9	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENMORE(YOUNGER BOTANIC GARDEN)	9 9	12	16.9	7.4	12.1	-	23.5	22,23	2.1	7	-	-	73	52	33	6	13	7	0	0	0	0	0	0	0	1	-	0	-	-	-
BRODICK CASTLE	9 9	15	17.1	7.6	12.3	-	22.4	1	4.2	9	15.4	-	59	54	15	6	12	10	0	0	0	1	0	0	0	4	-	0	-	-	-
CAMPS RESERVOIR	9 9	295	14.9	5.6	10.3	-	23.5	23	1.7	8	-	-	67	90	15	6	13	11	1	0	0	1	1	0	0	-	-	1	7.61	-	S
CARNWATH	9 9	208	16.2	4.8	10.5	-	23.7	22	-0.4	1	12.0	-	60	106	17	6	12	10	0	0	1	0	0	0	1	5	0	0	-	-	-
COLONSAY	9 9	35	15.1	8.0	11.5	-	22.8	23	4.8	1	-	-	35	-	11	5	10	7	0	0	0	0	0	0	0	-	-	0	-	-	-
CRAWFORDJOHN	9 9	274	15.5	5.2	10.3	-	23.6	23	1.0	1	11.7	-	-	-	-	-	-	-	0	0	0	0	1	0	0	3	0	0	8.02	-	-
CUMNOCK	9 9	99	16.4	6.8	11.6	-	24.1	23	2.6	7	-	-	45	-	9	6	14	12	0	0	0	0	0	0	0	1	-	0	7.56	-	-
DUNSTAFFNAGE	9 9	3	15.8	7.1	11.5	-	22.6	23	2.3	7	-	-	37	-	10	5	13	11	0	0	0	0	0	0	0	3	-	0	-	-	-
EAST KILBRIDE	9 9	178	16.1	7.6	11.9	-	23.2	22,23	3.6	7	-	-	50	-	22	6	11	7	0	0	0	0	0	-	0	0	-	0	7.52	-	-
FINNART	9 9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GIRVAN	9 9	8	16.6	7.9	12.3	-	21.4	23	4.5	14	-	-	53	97	18	6	11	9	0	0	0	0	0	0	0	0	-	0	8.41	-	-
GLASGOW ABBOTSINCH AIRPORT	21-9	5	17.6	7.8	12.7	-0.9	24.5	23	1.7	14	-	-	34	-	16	6	12	7	0	0	0	0	0	0	0	5	0	0	7.62	126	-
SPRINGBURN PARK	9 9	107	17.2	8.1	12.7	-0.7	24.5	23	4.5	7	-	-	51	70	25	6	14	9	0	0	0	0	0	0	0	0	-	0	7.32	127	-
WEATHER CENTRE (X)	21-9	40	17.3	9.6	13.5	-	25.1	22	5.8	6	-	-	43	-	24	6	15	8	0	-	0	0	0	0	0	-	-	0	7.10	-	-
GREENOCK	9 9	61	-	-	-	-	-	-	-	-	-	-	41	49	19	6	10	7	-	-	-	-	-	-	-	-	-	-	7.13	118	-
HELENSBURGH	9 9	89	16.4	7.4	11.9	-1.2	23.6	23	3.0	7,10	-	-	60	71	35	6	13	8	-	0	-	-	-	0	0	-	-	-	6.13	-	-
HUNTERSTON	9 9	8	16.4	9.1	12.7	-	23.2	23	3.4	9	-	-	27	-	13	6	10	8	0	0	0	0	0	0	0	-	-	0	-	-	-
KILDONAN	9 9	18	15.7	8.1	11.9	-	20.5	23	4.6	7	-	-	68	-	29	6	12	8	0	-	0	0	0	0	0	0	1	0	8.28	-	-
KNAPDALE FOREST	9 9	12	16.4	5.9	11.1	-	22.5	23	1.5	7	-	-	49	-	11	4.9	15	10	0	0	0	0	0	0	0	5	-	0	-	-	-
LANARK	9 9	152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEADHILLS	9 9	388	15.0	4.8	9.9	-	23.2	23	1.0	11	-	-	55	57	11	10	13	11	1	0	0	0	0	0	0	6	-	0	-	-	-
MACHRIHANISH	21-9	10	14.9	7.9	11.4	-	22.6	23	4.6	1	-	-	32	47	8	5	10	7	0	0	0	0	1	0	0	5	0	0	7.86	-	-
MILLPORT	9 9	5	16.3	8.9	12.6	-	21.9	23	4.9	7	-	-	30	42	7	4	14	9	0	0	0	0	0	0	0	-	-	0	-	-	-
PAISLEY	9 9	32	18.2	9.1	13.7	-0.4	25.0	22,23	4.7	7	15.0	12.6	39	59	18	6	12	8	0	0	0	0	0	0	0	0	-	0	6.98	120	-
PRESTWICK	21-9	16	16.2	7.6	11.9	-	22.5	23	3.5	7,14	-	-	43	70	11	6	12	9	0	0	0	0	1	0	0	1	0	0	8.44	-	-
RHUVAAL	21-9	20	13.9	8.7	11.3	-	22.1	23	5.8	6	-	-	30	38	11	4	10	6	0	0	0	0	0	0	0	0	0	0	-	-	-
ROTHESAY	9 9	43	16.8	8.0	12.4	-	23.5	23	4.0	7	12.5	10.8	41	48	11	6	13	9	0	0	0	0	0	0	0	1	-	0	-	-	S
SLOY	21-9	12	17.2	8.0	12.6	-	23.2	23	4.7	8	-	-	46	-	9	29	15	9	0	-	0	0	0	0	0	-	-	0	-	-	-
STRONACHULLIN	9 9	2	16.3	7.4	11.9	-	22.3	22,23	4.6	10	-	-	53	-	13	4	14	7	0	0	0	0	1	0	0	0	-	0	-	-	-
TIREE	21-9	9	14.2	7.7	10.9	-1.3	19.0	23	4.4	12	-	-	27	39	10	5	13	5	0	0	0	0	0	0	0	1	0	0	8.58	131	-
CENTRAL																															
ARROCHYMORE	9 9	30	17.3	7.0	12.1	-	23.5	3	2.5	10	-	-	76	-	25	6	14	10	-	0	-	-	-	1	0	2	-	-	6.50	-	-
CALLANDER	9 9	107	17.4	6.8	12.1	-	24.2	22	2.1	7	-	-	35	37	12	6	12	8	0	0	0	0	0	0	0	3	-	0	-	-	-
EARLS HILL	21-9	335	15.0	6.1	10.5	-	21.4	2	1.9	7	-	-	56	-	16	6	13	9	0	-	1	0	0	3	0	0	0	1	7.12	-	-
FALKIRK	9 9	3	17.1	8.5	12.8	-	24.5	2	3.9	8	-	-	53	-	23	6	10	9	0	-	0	0	0	0	0	-	-	0	6.31	-	-
GRANGEMOUTH	9 9	4	17.2	8.9	13.1	-	24.5	2	5.0	7,8	-	-	60	-	22	6	12	10	-	0	-	-	-	0	0	-	-	-	-	-	-
PARKHEAD	9 9	107	17.5	7.8	12.7	-	23.9	2	3.5	14	14.6	-	37	-	11	6	9	7	-	0	-	-	-	0	0	-	-	-	-	-	-
STIRLING(BATTERFLATS)	9 9	38	17.8	7.7	12.7	-	24.7	2	3.0	8	14.0	12.1	35	-	13	6	10	5	0	0	0	0	1	1	0	2	-	0	7.20	-	-
DUMFRIES & GALLOWAY																															
BARGRENNAN	9 9	110	17.5	6.0	11.7	-	24.0	2	1.2	9	-	-	69	83	12	6	12	10	0	0	0	0	0	0	0	9	-	0	-	-	-
CLATTERINGSHAWS	9 9	178	16.1	6.9	11.5	-	23.1	23	3.3	11	-	-	66	62	22	6	13	10	0	0	0	1	1	0	0	-	-	0	7.65	-	-
DUMFRIES	9 9	49	17.0	8.0	12.5	-0.8	23.4	2	3.9	9	13.6	11.9	45	66	13	10	11	9	0	0	0	1	0	0	0	2	-	0	8.16	136	-
DUNDEUGH	9 9	119	17.0	5.8	11.4	-	24.0	22	1.2	28	12.2	-	40	52	12	6	13	9	0	0	0	0	0	0	0	-	-	0	-	-	-
ESKDALEMUIR	21-9	242																													
PSYCHROMETER			15.6	5.5	10.5	-	23.5	2,23	0.8	8	11.5	10.0	95	93	27	6	13	11	0	0	1	0	0	0	0	7	0	0	6.99	127	-
SCREEN			16.0	5.7	10.9	-1.0	24.7	23	1.0	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-
GIRDSTINGWOOD	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.68	-	-
GLENLEE	9 9	55	17.7	6.7	12.2	-0.9	24.5	23	2.8	1,16	-	-	69	86	25	6	13	9	-	0	-	-	-	0	0	10	-	-	-	-	-
GLENLOCHAR BARRAGE	9 9	47	17.2	7.3	12.3	-	23.5	2	2.3	9	-	-	47	61	13	6	12	8	0	0	0	0	0	0	0	-	-	0	-	-	-
PALNURE	9 9	15	16.6	7.2	11.9	-	22.9	2	2.2	9	-	-	61	79	20	6	12	10	0	0	0	0	0	1	0	2	-	0	-	-	-
PENWHIRN	9 9	166	15.0	6.5	10.7	-	22.0	23	3.0	11,12	-	-	64	68	19	6	13	9	-	-	-	-	-	0	0	1	-	-	8.37	-	-
THREAVE	9 9	73	17.3	7.4	12.3	-	23.5	23	2.8	9	14.2	-	52	67	15	6	12	8	0	0	0	0	1	0	0	4	-	0	-	-	-
2 ENGLAND E & NE																															
NORTHUMBERLAND																															
BOULMER	21-9	23	13.5	7.6	10.5	-	19.3	3	3.3	22	12.5	11.0	81	-	20	10	12	10	0	0	1	0	1	0	0	3	0	0	6.18	-	-
COCKLE PARK	9 9	99	14.7	7.2	10.9	-	22.2	24	3.5	9	12.2	-	64	-	15	10	12	7	0	0	0	0	0	0	0	3	-	2	5.47	-	-
HAYDON BRIDGE	9 9	79	16.4	7.2	11.8	-	23.7	3	1.9	22	13.9	12.5	81	162	21	6	14	11	0	0	0	0	0	0	0	-	-	0	-	-	-
KIELDER CASTLE	9 9	201	15.8	5.3	10.5	-1.2	24.0	2,3	-2.0	21	12.5	-	109	118	29	6	15	14	0	0	0	0	1	0	2	6	-	3	-	-	-
LETHAMHILL FARM	9 9	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
REDESDALE	9 9	238	15.0	6.0	10.5	-	23.0	3	1.5	9	10.4	-	84	-	31	6	13	10	-	0	-	-	-	0	0	6	-	-	6.16	-	-
SEAHOUSES	21-9	11	13.7	8.3	11.0	-	20.9	3	4.6	22	-	-	77	182	25	10	13	8	0	0	0	0	1	0	0	0	0	0	6.35	-	-
STONEHAUGH	9 9	201	15.5	5.9	10.7	-	24.5	3	-0.2	22	-	-	85	-	33	6	13	7	0	0	0	0	1	0	1	7	0	0	-	-	-
TYNE & WEAR																															
CHOPWELLWOOD	9 9	136	15.3	7.1	11.2	-1.9	24.5	3	3.5	9,22	-	-	76	126	21	10	15	9	0	0	0	0	0	0	0	2	-	0	-	-	-
NEWCASTLE WEATHER CENTRE (X)	21-9	75	15.4	8.7	12.1	-	23.1	3	5.4	1	-	-	77	-	25	6	13	10	0	0	0	1	1	0	0	-	0	0	5.97	-	-
TYNEMOUTH	21-9	29	13.6	9.1	11.3	-1.6	20.8	24	6.0	1	-	-	62	134	10	6	15	11	0	0	0	0	0	0	0	0	-	1	5.71	95	-
WASHINGTON	9 9	27	-	-	-	-	-	-	-	-	-	-	16	-	12	13	5	2	0	0	0	0	0	0	-	-	-	0	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — JUNE 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL MIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	BRIGHT SUNSHINE EXPOSURE
2 ENGLAND E & NE -CONTINUED																																
DURHAM																																
DURHAM	9 9	102	15.9	7.2	11.5	-1.7	24.9	3	1.9	1	13.3	11.6	63	138	16	10	14	8	-	0	-	-	-	0	0	2	-	-	5.29	90	S
LOW ETHERLEY	9 9	155	15.3	7.0	11.1	-	24.7	3	1.7	1	12.2	-	56	-	13	12	13	8	0	0	0	0	1	1	0	3	-	0	-	-	-
WIDDYBANK FELL	9 9	513	13.3	5.0	9.1	-	21.3	2	-0.8	21	8.5	-	111	-	24	12	15	13	-	0	-	-	-	1	1	6	-	-	6.13	-	-
CLEVELAND																																
HARTBURN GRANGE ...	9 9	31	15.5	7.1	11.3	-	23.1	3	0.8	1	-	-	65	141	12	10	16	11	0	0	0	0	1	1	0	3	-	0	4.76	-	-
HARTLEPOOL	9 9	9	14.7	8.8	11.7	-2.0	19.5	24	5.0	1.9	-	-	96	212	21	10	15	13	0	0	0	0	0	0	0	-	-	0	5.49	-	-
NORTH YORKSHIRE																																
ASKHAM BRYAN	9 9	34	(16.5)	7.4	(11.9)	-	25.2	3	1.5	1	-	-	79	172	15	10	12	11	0	0	1	0	3	0	0	4	-	0	5.50	89	-
CAWOOD	9 9	6	16.3	7.8	12.1	-	24.5	3	1.0	1	13.8	12.7	78	181	15	13	14	12	0	0	0	0	0	0	0	4	-	0	5.67	-	-
HIGH MOWTHORPE	9 9	175	14.3	7.2	10.7	-	20.5	24	1.7	1	12.1	-	76	135	18	25	16	13	0	0	0	0	0	0	0	3	-	0	5.38	-	-
LEEMING	21-9	32	16.1	8.1	12.1	-	25.9	3	2.4	1	13.3	11.6	69	169	15	12	11	9	0	0	0	0	1	0	0	2	0	0	4.52	-	-
MALHAM TARN	9 9	395	(14.2)	-	-	-	22.6	4	-	-	-	-	143	145	20	12.30	17	16	0	0	0	0	0	0	-	6	-	0	-	-	-
PICKERING	9 9	44	16.3	6.9	11.6	-	23.3	24	-0.7	1	-	-	95	189	36	25	16	11	0	0	0	0	2	0	1	5	-	0	-	-	-
SCARBOROUGH	9 9	53	14.5	8.6	11.5	-	21.7	24	3.6	1	13.3	11.9	67	147	21	25	14	10	0	0	0	0	0	0	0	1	0	1	5.13	80	-
SILPHO MOOR	9 9	203	14.0	6.9	10.5	-	22.2	24	0.7	1	11.3	-	104	168	29	25	18	11	0	0	0	0	0	2	0	2	-	0	4.78	-	-
SNAIZEHOLME	9 9	290	14.2	5.7	9.9	-	21.8	2.3	-0.4	1	11.1	-	101	-	20	12	16	14	0	0	0	0	0	1	0	8	-	0	5.70	-	S
WHITBY	9 9	41	14.4	8.0	11.2	-	22.5	24	1.2	1	-	-	60	-	15	10	16	10	0	0	0	0	0	0	0	2	-	0	5.13	-	-
WHITBY(COASTGUARD) ...	21-9	60	13.4	7.9	10.7	-	19.6	24	1.5	1	-	-	47	-	12	13	14	9	0	0	0	0	1	0	0	0	0	0	-	-	-
YORK(HESLINGTON) ...	9 9	20	16.9	8.1	12.5	-	25.9	3	2.8	1	13.9	12.6	100	233	28	11	13	10	0	0	0	0	0	0	0	1	-	0	5.52	-	-
HUMBERSIDE																																
BRIDLINGTON	9 9	48	13.7	7.7	10.7	-	18.1	3	2.4	1	-	-	55	105	11	25	17	10	0	0	0	0	0	0	0	2	-	3	5.02	-	-
BRIGG	9 9	3	-	-	-	-	-	-	-	-	-	-	57	108	10	14	14	9	-	-	-	-	-	-	-	-	-	-	-	-	-
CLEETHORPES	9 9	6	15.5	8.8	12.1	-2.1	21.5	24	5.5	8	-	-	65	132	20	25	15	12	-	0	-	-	-	0	0	-	-	-	4.92	74	-
HULL	9 9	2	16.5	8.9	12.7	-1.9	23.0	24	3.7	1	14.4	13.0	68	135	10	6	17	11	0	0	0	0	0	0	0	0	-	0	5.88	93	-
LINCOLNSHIRE																																
BINBROOK	21-9	108	14.7	7.8	11.3	-	20.9	24	2.5	1	-	-	66	119	10	10	19	13	0	0	0	0	2	0	0	2	0	0	5.42	-	-
CAISTOR	9 9	55	16.1	7.7	11.9	-	22.9	24	-0.2	1	-	-	55	-	9	27	16	13	-	-	-	-	-	-	1	-	-	-	-	-	-
CRANWELL	9 9	62	16.2	8.1	12.1	-2.2	23.3	3	3.8	1	14.3	13.1	50	99	9	10	13	13	0	0	0	0	3	0	0	0	0	0	5.71	85	-
KIRTON	9 9	4	16.3	8.1	12.2	-	22.1	3	0.4	1	12.5	11.0	72	-	17	28	17	12	0	0	0	1	4	0	0	2	-	0	5.50	-	-
LINCOLN	9 9	7	16.5	7.6	12.1	-2.1	22.6	3	-1.5	1	13.5	12.1	48	-	9	12	14	12	0	0	1	0	2	0	1	3	-	0	5.86	-	-
SKEGNESS	9 9	5	15.0	9.4	12.2	-1.8	20.6	24	6.0	8	-	-	43	89	6	7	14	9	0	0	0	0	0	0	0	0	-	0	4.45	66	-
SUTTON BRIDGE	9 9	4	(16.3)	(8.6)	(12.5)	-	21.0	3	5.0	9	-	-	56	103	21	12	11	8	0	-	0	0	1	-	0	0	-	0	-	-	-
WADDINGTON	21-9	68	16.2	8.4	12.3	-2.0	24.0	3	4.0	1	-	-	57	122	9	12	15	13	0	0	0	0	2	0	0	1	0	0	5.95	85	-
3 EAST ANGLIA																																
NORFOLK																																
COLTISHALL	21-9	17	16.0	9.0	12.5	-	22.0	13	3.8	9	-	-	19	43	7	10	12	6	0	0	0	0	2	1	0	3	0	0	-	-	-
CROMER	9 9	54	15.2	9.2	12.2	-1.9	21.1	24	5.3	8	-	-	43	103	22	28	13	9	0	-	0	0	2	2	0	0	-	0	3.89	58	-
GORLESTON	9 9	4	15.9	9.5	12.7	-1.4	20.9	30	5.5	8	14.0	12.6	22	50	9	10	10	4	0	0	0	0	2	0	-	-	-	0	3.44	49	-
MARHAM	21-9	23	16.3	8.7	12.5	-	22.7	13	5.0	1.8	-	-	43	-	7	10	14	11	0	0	1	0	3	1	0	0	0	0	5.09	-	-
MORLEY ST BOTOLPH ...	9 9	48	16.4	8.1	12.3	-	24.1	13	2.5	1	14.5	-	35	-	7	10	13	10	0	0	0	0	1	1	0	1	-	0	4.71	-	-
SANTON DOWNHAM	9 9	24	17.1	7.1	12.1	-	26.6	13	-1.1	1	12.6	11.4	40	77	9	10	16	13	-	0	-	-	-	0	2	7	-	-	4.74	-	-
SCOLE	9 9	27	17.3	8.7	13.0	-	26.0	13	3.0	9	14.8	13.8	23	-	7	10	13	9	0	0	0	0	2	0	0	0	-	0	4.56	-	-
TERRINGTON ST CLEMENT	9 9	3	15.8	8.4	12.1	-2.2	20.0	3	4.0	1	13.8	-	61	118	17	28	13	10	0	0	0	0	0	1	0	3	-	0	4.47	69	-
CAMBRIDGESHIRE																																
BOXWORTH	9 9	53	16.2	7.8	12.0	-	22.2	3	2.3	8	-	-	72	147	25	13	14	8	0	0	0	0	4	2	0	0	-	0	4.65	-	-
CAMBRIDGE BOTANIC GARDEN ...	9 9	12	17.0	8.3	12.7	-2.4	22.4	3	3.5	9	13.6	12.2	49	105	15	13	13	8	0	0	0	0	2	0	0	1	-	0	-	-	-
NATIONAL INSTITUTE OF AGRICULTURAL BOTANY	9 9	26	(16.6)	7.3	(11.9)	-	23.0	3	2.0	1	-	-	54	112	19	13	13	8	0	0	0	0	0	0	0	0	-	0	4.62	66	-
MARCH	9 9	2	(16.8)	(8.4)	(12.6)	-	22.4	3	3.8	1	-	-	58	112	15	10	14	11	-	0	-	-	-	-	0	-	-	-	-	-	-
MEPAL	9 9	-2	16.5	7.8	12.1	-	22.1	3	3.1	9	13.3	11.2	64	-	25	10	14	11	0	0	0	0	2	1	0	3	-	0	4.01	-	-
WITTERING	9 9	73	16.4	8.0	12.2	-	23.7	3	4.1	8	-	-	64	-	18	28	13	12	0	0	0	0	2	0	0	0	0	0	5.06	-	-
WYTON	21-9	40	16.2	8.3	12.3	-	22.5	3	2.0	1	-	-	72	144	23	10	13	8	0	0	0	0	2	0	0	2	0	0	-	-	-
SUFFOLK																																
ALDEBURGH	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70	-	-
BROOMS BARN	9 9	75	16.4	8.4	12.4	-	25.1	13	3.5	1	13.5	12.4	47	92	16	13	16	8	0	0	1	0	4	2	0	1	-	0	4.79	-	-
EAST BERGHOLT	9 9	4	(17.9)	(7.8)	(12.9)	-	26.2	13	1.4	9	-	-	36	79	13	13	13	6	0	0	0	0	3	3	0	2	-	0	-	-	-
HAUGHLEY	9 9	58	16.7	7.9	12.3	-	24.6	13	2.1	9	13.1	-	28	-	8	25	14	7	0	0	0	0	2	2	0	6	-	0	-	-	-
HONINGTON	21-9	50	16.9	8.3	12.6	-	25.5	13	3.2	1	-	-	27	56	8	10	15	9	0	0	0	0	3	1	0	1	0	0	4.65	-	-
LOWESTOFT	9 9	25	15.6	9.9	12.7	-1.5	21.0	30	6.1	8	13.9	13.0	22	53	7	10	10	6	0	0	0	0	1	1	0	0	0	0	3.81	53	-
WATTISHAM	21-9	89	16.4	7.8	12.1	-	25.4	13	4.0	1	-	-	27	57	8	10	14	6	-	0	-	-	-	2	0	4	0	-	4.58	-	-
BEDFORDSHIRE																																
CARDINGTON	21-9	29	16.7	6.9	11.8	-	23.4	3	-0.2	1	13.0	12.1	79	175	21	13	13	7	0	0	0	0	4	0	1	6	1	0	4.73	-	-
LUTON	9 9	159	15.8	8.3	12.1	-	22.4	3	4.1	1	13.8	12.6	69	131	23	14	15	11	-	0	-	-	-	1	0	-	-	-	-	3.82	-	-
SILSOE	9 9	61	16.2	7.5	11.9	-2.6	23.4	3	1.1	9	12.7	11.6	67	150	28	13	12	9	0	0	0	0	5	2	0	3	0	-	4.54	66	-
WOBURN	9 9	89	16.4	7.0	11.7	-2.6	23.7	3	1.4	2.9	12.7	10.8	80	157	24	13	16	10	0	0	0	0	1	0	0	3	-	0	4.59	69	-
HERTFORDSHIRE																																
ALDENHAM SCHOOL ...	9 9	91	17.0	8.0	12.5	-	23.6	3	3.2	9	14.2	-	75	141	23	13	18	13	0	0	0	0	4	0	0	0	0	0	-	-	-
GARSTON	9 9	78	16.4	8.1	12.3	-	23.2	3	2.7	9	-	-	72	139	28	13	17	12	0	0	0	0	0	0	0	2	0	0	4.65	-	-
HODDESDON	9 9	43	17.3	8.8	13.1	-	23.5	3	3.8	9	15.0	-	78	156	28	13	16	11	0	0	1	0	3	-	0	0	-	0	4.13	-	-
ROTHAMSTED	9 9	128	15.8	7.6	11.7	-2.5	22.4	3	2.5	9	12.4	10.9	77	142	22	13	18	12	0	0	0	0	3	3	0	3	-	0	4.36	66	-
ST ALBANS	9 9	83	16.3	8.1	12.2	-2.3	22.4	3	2.4	9	12.7	-	61	127	20	13	17	10	0	0	0	0	3	0	0	5	-	0	4.52	-	-
STANSTEAD ABBOTTS ...	9 9	30	-	-	-	-	-	-	-	-	-	-	71	154	29	14	8	6	-	0	-	-	-	0	-	-	-	-	-	-	-
ESSEX																																
CLACTON-ON-SEA	9 9	16	(16.6)	(9.9)	(13.3)	(-1.6)	22.7	13	6.0	2	13.7	12.5	48	110	27	13	14	8	0	0	0	0	1	0	0	-	-	0	4.30	56	-
HALSTEAD	9 9	70	17.0	8.7	12.9	-	25.6	13	4.6	1.9	13.5	12.4	35	-	9	10	15	11	0	0	0	0	1	0	0	1	-	0	-	-	-
HARLOW	9 9	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITTLE PARNDON	9 9	54	16.8	8.7	12.7	-	22.4	3	2.9	9	-	-	80	178	37	13	17	13	0	0	0	0	2	0	0	-	-	0	-	-	-
MALDON	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOEBURYNESS	21-9	2	16.8	9.7	13.3	-1.9	21.6	30	4.5	9	-	-	43	106	21	13	14	5	0	0	0	0	3	0	0	1	0	0	4.49	60	-
STANFORD-LE-HOPE ...	9 9	6	17.1	8.6	12.9	-	24.5	13	3.5	9	-	-	66	-	25	13	14	8	0	-	0	0	2	0	0	-	-	0	4.26	-	-
STANSTED	21-9	101	16.4	8.2	12.3	-	22.4	13	3.4	1	-	-	52	110	16	13	18	14	0	0	0	0	5	1	0	1	0	0	-	-	-
WRITTLE	9 9	32	17.1	8.0	12.5	-2.2	25.3	13	2.0	9	13.2	-	79	179	38	13	15	11	0	0	0	0	3	0	0	4	-	0	4.10	60	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — JUNE 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
4 MIDLAND COUNTIES																															
WEST YORKSHIRE																															
BRADFORD	9 9	134	15.6	7.8	11.7	-2.0	24.2	3	2.5	1	12.4	11.1	85	160	18	11	14	12	0	0	1	0	1	0	0	2	-	0	5.63	90	S
BRAMHAM	9 9	54	16.1	7.3	11.7	-	25.1	3	0.6	1	-	-	65	148	14	12	11	10	0	0	0	0	2	0	0	3	-	0	-	-	-
HUDDERSFIELD																															
OAKES	21-9	232	15.9	7.0	11.5	-2.2	24.6	3	1.8	1	11.7	9.6	114	190	25	10	15	13	0	0	1	0	3	1	0	5	1	1	-	-	-
RAVENSKNOWLE	9 9	99	16.0	8.1	12.1	-2.0	25.0	3	1.6	1	13.3	11.9	94	192	26	10	13	12	0	0	0	1	2	1	0	4	-	0	-	-	-
ILKLEY	9 9	83	16.1	7.6	11.9	-2.0	25.0	3	1.5	1	-	-	92	159	23	11	13	11	0	0	0	0	1	0	0	0	-	0	(5.22)	(87)	-
TODMORDEN	9 9	160	15.5	7.2	11.3	-	23.0	3	0.6	1	-	-	116	-	19	12	16	13	0	0	1	1	2	0	0	-	-	0	-	-	-
PONTEFRACT	9 9	78	16.3	8.3	12.3	-1.8	25.0	3	3.4	1	-	-	78	165	17	10	12	11	0	0	0	0	1	0	0	-	-	0	-	-	-
WILSDEN	9 9	262	14.6	6.8	10.7	-	23.0	3	1.8	1	-	-	90	-	16	11	16	13	0	0	0	0	1	2	0	3	0	0	-	-	-
SOUTH YORKSHIRE																															
FINNINGLEY	21-9	10	16.9	8.1	12.5	-	25.2	3	2.6	1	-	-	91	199	30	13	14	9	0	0	1	1	3	0	0	1	0	0	5.82	-	-
SHEFFIELD																															
DORE	9 9	206	16.1	7.6	11.9	-	25.5	3	2.9	1	-	-	77	-	20	10	14	13	0	0	0	0	1	1	0	3	-	0	-	-	-
WESTON PARK	9 9	131	16.4	8.3	12.3	-2.2	25.5	3	2.5	1	13.2	11.8	66	128	23	10	14	10	0	0	0	0	1	-	0	-	-	0	6.07	99	-
DERBYSHIRE																															
ASHOVER	9 9	178	16.2	7.5	11.9	-	25.5	3	1.5	1	-	-	64	-	18	10	14	11	0	0	0	0	1	0	0	1	-	0	5.72	-	-
BUXTON	9 9	307	-	-	-	-	-	-	-	-	12.7	10.7	103	121	21	12	15	11	0	0	0	0	1	1	-	-	-	0	-	-	S
DERBY	9 9	48	17.2	8.5	12.9	-	25.8	3	3.7	1	-	-	61	119	15	10	11	10	0	0	0	0	3	0	0	0	-	0	5.68	-	S
MORLEY	9 9	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WINGERWORTH	9 9	126	16.4	6.9	11.7	-	24.7	3	-0.6	1	13.1	-	57	-	19	10	14	10	0	0	0	0	1	0	1	6	-	0	5.85	-	S
NOTTINGHAMSHIRE																															
MANSFIELD	9 9	114	16.3	7.9	12.1	-2.2	24.5	3	2.0	1	-	-	76	-	18	10	14	9	0	0	0	0	0	0	0	2	-	0	-	-	-
NEWTHORPE	9 9	58	(16.8)	(6.2)	(11.5)	-	25.0	3	0.5	2	-	-	61	-	11	12	13	10	-	-	-	-	-	-	0	-	-	-	-	-	-
NOTTINGHAM	9 9	59	16.7	8.9	12.8	-2.1	24.5	3	5.0	1	13.5	12.4	55	119	12	10	13	9	0	0	0	0	0	0	0	0	-	0	5.57	94	-
SUTTON BONINGTON	9 9	48	16.7	7.8	12.3	-1.9	25.2	3	1.1	1	12.7	11.6	80	173	16	12	13	11	0	0	0	1	0	1	0	5	1	0	5.26	85	-
WARSOP	9 9	46	17.1	6.5	11.8	-	25.7	3	-1.3	1	-	-	66	143	15	12	12	8	0	0	0	0	2	0	1	6	-	0	5.68	-	-
WATNALL	21-9	117	16.5	8.0	12.3	-2.0	25.0	3	3.8	1	-	-	66	125	12	12	13	10	0	0	1	0	3	0	0	1	0	0	5.75	93	-
STAFFORDSHIRE																															
KEELE	9 9	179	15.6	7.2	11.4	-	21.8	2.22	4.0	3.8	12.5	10.9	94	149	19	12	15	13	0	0	0	0	1	0	0	4	0	0	5.14	-	S
OAKEN	9 9	125	16.3	7.1	11.7	-2.4	22.8	3	1.7	1	13.2	-	103	198	19	28	17	12	0	0	1	0	3	0	0	0	-	0	-	-	S
PENKRIDGE	9 9	101	16.1	6.3	11.2	-	21.8	3	0.0	1	-	-	113	227	30	28	16	12	0	0	0	0	3	0	0	4	-	0	-	-	-
STONE	9 9	107	15.8	7.4	11.6	-	21.4	3	2.0	1	-	-	86	154	18	12	15	12	0	0	1	0	2	0	0	5	-	0	5.53	-	-
LEICESTERSHIRE																															
CALDECOTT	9 9	52	16.5	6.9	11.7	-	23.3	3	-0.7	1	-	-	66	153	13	13	13	11	0	0	0	0	3	0	1	3	-	0	4.72	-	-
NEWTOWN LINFORD	9 9	119	16.4	7.2	11.8	-	24.6	3	2.5	2	-	-	89	175	15	10	13	12	0	0	0	0	3	0	0	6	-	0	5.13	-	-
SALOP																															
HAMPTON LOADE	9 9	64	16.7	7.1	11.9	-	23.6	3	0.1	1	-	-	116	-	27	14	17	14	-	-	-	-	-	-	0	-	-	-	4.77	-	-
NEWPORT	9 9	64	16.8	7.5	12.1	-1.8	22.5	2	1.0	1	-	-	117	243	26	10	16	14	0	0	0	0	4	1	0	1	-	0	5.81	93	-
OSWESTRY	9 9	174	15.8	8.2	12.0	-1.7	22.0	3	3.9	1	-	-	109	195	22	10	15	11	0	0	0	0	1	0	0	4	-	0	5.03	80	S
PRESTON MONTFORD	9 9	67	16.7	7.6	12.1	-	22.8	3	0.8	1	13.6	12.1	95	-	20	10	15	13	0	0	0	0	0	0	0	3	-	0	(5.63)	-	-
SHAWBURY	21-9	72	16.5	7.4	11.9	-2.2	22.9	2	0.3	1	-	-	96	197	24	10	16	12	0	0	1	0	1	0	0	5	1	0	5.44	84	-
SHREWSBURY	9 9	56	16.6	8.2	12.4	-2.3	22.7	2	2.5	1	14.2	13.2	118	257	27	10	16	12	0	0	1	0	1	0	0	1	-	0	4.94	79	-
WEST MIDLANDS																															
BIRMINGHAM																															
EDGBASTON	21-9	163	15.7	8.5	12.1	-2.4	23.6	3	4.0	1	11.1	-	118	218	28	12	16	12	0	0	1	0	2	0	0	2	0	0	5.10	83	-
ELMDON AIRPORT	21-9	96	16.1	7.5	11.8	-2.3	24.7	3	1.3	1	-	-	89	-	23	12	13	11	0	0	0	0	3	0	0	4	0	0	5.04	77	-
KING EDWARD SCHOOL	9 9	137	16.2	8.3	12.3	-	25.0	3	3.9	1	-	-	120	240	28	12	16	13	-	0	-	-	-	0	0	-	-	-	-	-	-
COVENTRY AIRPORT	9 9	81	16.5	7.0	11.7	-	24.7	3	3.1	9	11.8	-	108	-	22	12	14	11	0	0	0	0	2	0	0	-	-	0	4.59	-	-
WARWICKSHIRE																															
LONG LAWFORD	9 9	87	16.5	6.9	11.7	-	25.2	3	-0.3	1	13.3	-	106	-	28	13	14	10	0	0	0	1	0	3	1	1	3	-	0	-	-	-
LUDDINGTON	9 9	56	16.7	7.6	12.1	-	24.6	3	2.3	1	-	-	118	-	29	12	13	12	0	0	0	1	0	1	0	0	1	-	0	3.08	-	-
MORETON MORRELL	9 9	85	16.5	7.5	12.0	-	24.0	3	2.6	9	-	-	118	245	23	12	13	10	0	0	0	0	2	0	0	7	-	0	4.54	-	-
RUGBY	9 9	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHIPSTON-ON-STOUR	9 9	111	16.1	7.4	11.7	-2.8	23.9	3	2.6	1	12.5	-	120	251	27	12	16	10	0	0	0	0	1	1	0	3	-	0	4.33	65	-
STRATFORD-UPON-AVON	9 9	49	16.6	7.1	11.9	-2.6	24.6	3	1.7	9	(14.2)	-	120	246	30	12	13	12	-	0	-	-	-	0	0	3	-	-	4.16	66	-
WELLESBOURNE	9 9	47	16.6	7.3	11.9	-	25.0	3	1.0	1	12.6	12.1	114	248	23	12	12	11	-	0	-	-	-	0	0	3	-	-	4.59	-	-
NORTHAMPTONSHIRE																															
BUGBROOKE MILLS	9 9	69	16.4	8.1	12.3	-	24.0	3,4	3.9	1	11.9	-	100	204	23	13	14	8	0	0	0	0	1	0	0	-	-	0	4.19	-	-
MOULTON PARK	9 9	122	15.8	7.5	11.7	-	22.8	3	2.8	1	13.1	11.8	89	-	19	14	12	8	0	0	0	0	1	0	0	1	-	0	5.01	-	S
RAUNDS	9 9	59	16.7	7.4	12.1	-2.6	24.4	3	2.6	9	13.8	11.8	78	159	17	14	12	7	0	0	1	0	1	0	0	3	-	0	4.02	64	-
HEREFORD & WORCESTER																															
ASTWOOD BANK	9 9	139	16.4	7.5	11.9	-	24.5	3	2.7	1	-	-	109	-	31	12	13	12	0	0	0	0	2	0	0	2	-	0	-	-	-
HEREFORD	9 9	52	17.2	7.9	12.5	-	25.2	3	2.5	1	14.1	12.9	77	171	19	10	14	12	0	0	0	0	3	1	0	7	-	0	4.86	-	-
LYONSHALL	9 9	155	16.3	8.4	12.3	-1.8	24.5	3	4.8	8.9	-	-	94	162	23	10	15	11	-	0	-	-	-	-	0	3	-	-	-	-	-
MALVERN	9 9	62	16.8	8.9	12.9	-	24.7	3	5.2	1	14.0	12.1	103	194	26	10	14	13	0	0	1	0	2	1	0	1	-	0	4.39	66	-
PERSHORE																															
COLLEGE OF HORT.	9 9	40	16.8	8.3	12.5	-	25.2	3	2.8	1	-	-	116	252	26	12	16	13	0	0	0	0	2	0	0	1	-	0	4.69	-	-
ROYAL RADAR EST.	21-9	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRESTON WYNNE	9 9	84	16.4	7.2	11.8	-	23.8	3	2.6	1.9	-	-	97	206	16	10	17	12	0	0	0	0	3	0	0	8	-	0	4.58	-	-
GLOUCESTERSHIRE																															
CHELTENHAM	9 9	65	(17.2)	(9.2)	(13.2)	(-2.1)	23.7	3	4.9	1	-	-	149	298	33	10	16	13	0	0	0	0	0	0	0	-	-	0	4.15	63	-
INNSWORTH	21-9	21	16.7	8.3	12.5	-	24.8	3	3.0	9	-	-	107	-	33	10	13	10	0	0	0	0	4	0	0	3	0	0	4.48	-	-
OXFORDSHIRE																															
BENSON	21-9	67	16.5	8.0	12.3	-	23.6	3	3.5	1	-	-	78	-	26	13	16	11	0	0	0	0	1	0	0	3	-	0	4.60	-	-
BRIZE NORTON	21-9	81	16.3	8.1	12.2	-	24.3	3	2.6	9	-	-	103	-	29	13	16	10	0	0	0	0	2	0	0	2	0	0	4.41	-	-
LETCOMBE REGIS	9 9	107	16.0	7.5	11.7	-	23.7	3	2.0	9	14.1	-	90	181	22	12	16	11	0	0	0	0	1	0	0	1	-	0	-	-	-
OXFORD	9 9	63	16.7	8.5	12.6	-2.7	24.8	3	4.0	1	14.0	12.9	87	174	30	13	15	11	0	0	0	0	3	0	0	0	-	0	4.11	60	-
SHIRBURN(MODEL FARM)	9 9	108	16.1	7.1	11.6	-	22.8	3	2.3	1	-	-	95	-	30	13	16	13	0	0	0	0	1	0	0	7	-	0	-	-	-
WALLINGFORD	9 9	48	16.2	7.4	11.8	-	23.0	3	1.9	9	13.2	12.0	72	164	26	13	15	10	0	0	0	0	2	0	0	2	-	0	4.01	-	-
BUCKINGHAMSHIRE																															
AYLESBURY	9 9	96	16.4	7.9	12.1	-2.4	23.9	3	2.8	2	-	-	73	151	23	13	14	12	0	0	0	0	3	1	0	-	-	0	4.51	69	S
GRENDON UNDERWOOD	9 9	67	16.3	6.7	11.5	-	23.4	3	0.0	9	13.0	11.5	93	198	23	13	15	13	0	0	0	0	3	0	0	6	-	0	4.03	-	-
MEDMENHAM	9 9	30	16.5	7.7	12.1	-	23.3	3	2.1	8	-	-	76	148	27	13	15	12	-	-	-	-	-	-	0	4)	-	-	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — JUNE 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HIGHT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
5 ENGLAND SE & CENTRAL S.																																
GREATER LONDON																																
BROMLEY	9 9	65	17.1	9.6	13.3	-2.2	23.0	3	5.0	1	-	-	80	164	33	13	17	10	-	0	-	-	-	0	-	-	-	-	-	-	-	-
ENFIELD	9 9	17	17.4	10.3	13.9	-	23.2	3	6.7	9	13.5	11.8	74	-	30	13	17	10	0	0	0	0	4	0	0	1	0	-	-	-	-	-
GREENWICH	9 9	7	17.2	9.5	13.3	-	23.1	3	5.0	9	-	-	65	147	21	13	18	8	0	0	0	0	0	0	0	0	0	-	4.22	-	-	-
HAMPSTEAD	9 9	137	16.0	8.9	12.5	-2.4	22.3	3	5.4	1	-	-	73	141	23	13	13	10	0	0	0	0	1	0	0	0	0	-	4.42	63	S	-
HAMPTON	9 9	12	16.8	9.6	13.2	-2.5	23.8	3	5.4	9	-	-	57	121	22	13	15	11	0	0	0	0	2	0	0	0	0	-	4.57	63	-	-
HARROW WEALD	9 9	98	16.7	8.2	12.5	-	23.5	3	4.5	6,8,9	14.5	13.1	65	-	22	13	14	8	-	-	-	-	-	-	0	-	-	-	-	-	-	-
HEATHROW AIRPORT	21-9	25	17.3	9.6	13.5	-2.3	24.0	3	5.7	1	-	-	52	109	16	13	16	11	0	0	0	0	2	0	0	1	0	0	4.49	-	-	-
KENSINGTON PALACE	9 9	25	16.9	9.9	13.4	-2.7	23.4	3	6.3	1	14.8	13.3	68	134	19	12	15	7	0	0	0	0	1	0	0	0	-	0	-	-	-	-
KEW	21-9	6																														
PSYCHROMETER			16.8	8.8	12.8	-	22.9	3	1.6	9	13.2	11.9	55	117	21	13	14	9	0	0	0	0	3	0	0	6	0	0	4.72	66	-	-
NORTH WALL SCREEN			17.1	9.7	13.4	-2.5	23.0	3	4.8	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LONDON																																
WEATHER CENTRE (X)	21-9	77	17.0	10.5	13.7	-	23.0	3	7.1	1	-	-	67	-	20	12	16	7	0	0	0	0	2	0	0	-	-	0	4.77	70	-	-
ST JAMES PARK	9 9	4	17.5	10.2	13.9	-2.3	23.4	3	6.7	9	-	-	70	138	23	12	17	10	-	0	-	-	-	-	0	0	-	-	-	-	-	-
SOUTHGATE	9 9	67	16.8	8.9	12.9	-2.5	23.0	3	5.0	1.2	13.2	-	71	147	24	13	16	11	0	0	0	0	2	0	0	-	-	0	4.26	69	-	-
WADDON	9 9	59	(16.9)	(9.2)	(13.1)	(-2.2)	23.5	4	5.0	9	-	-	78	163	28	12	16	11	-	-	-	-	-	-	0	-	-	-	-	-	-	-
WEALDSTONE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILTSHIRE																																
BOSCOMBE DOWN	21-9	126	15.9	7.9	11.9	-2.6	23.4	3	1.6	9	-	-	89	189	40	12	12	9	0	0	0	0	1	0	0	4	0	0	4.60	67	-	-
LACOCK	9 9	49	16.1	7.6	11.9	-	23.6	3	0.2	9	-	-	120	235	29	10	14	10	-	0	-	-	-	-	0	7	-	-	-	-	-	-
LARKHILL	9 9	132	15.9	7.7	11.8	-2.5	22.7	3	2.4	9	-	-	96	200	39	12	12	9	0	0	0	0	1	0	0	1	0	0	-	-	-	-
LYNEHAM	21-9	145	15.7	7.9	11.8	-2.5	23.3	3	4.3	1.2	-	-	120	244	37	12	15	10	0	0	0	0	4	0	0	2	0	0	4.14	-	-	-
PORTON	9 9	110	15.9	7.5	11.7	-2.5	22.8	3	1.7	9	13.1	-	84	175	34	12	12	9	-	0	-	-	-	-	0	7	0	0	4.20	59	-	-
TROWBRIDGE	9 9	37	16.8	8.2	12.5	-	24.8	3	2.4	9	13.7	-	102	-	26	9	12	10	0	0	0	0	2	0	0	2	-	0	-	-	-	-
UPAVON	21-9	179	15.5	7.9	11.7	-	22.9	3	3.9	8	-	-	102	193	40	12	15	10	0	0	1	0	1	0	0	2	0	0	-	-	-	-
BERKSHIRE																																
EASTHAMPSTEAD	9 9	77	16.1	7.6	11.9	-	23.0	3	0.3	9	12.8	11.9	65	-	28	13	13	11	0	0	0	0	2	0	0	5	0	0	4.36	-	-	-
HURLEY	9 9	43	16.3	8.4	12.3	-	23.4	3	3.0	9	13.9	-	81	163	30	13	16	14	0	0	0	0	2	0	0	7	-	0	4.27	-	-	-
LAMBOURN(WARREN FARM)	9 9	192	15.1	7.2	11.1	-	22.2	3	3.2	8	12.8	-	83	-	23	12	15	11	-	0	-	-	-	1	0	-	-	-	-	-	-	-
READING	9 9	66	16.1	8.6	12.3	-	23.0	3	3.0	9	12.7	11.6	75	-	20	13	16	12	0	0	1	0	2	0	0	6	0	0	4.66	-	-	-
SHINFIELD(N.I.R.D.)	9 9	62	16.2	8.5	12.3	-	23.9	3	3.0	9	-	-	67	-	18	13	16	10	0	0	0	0	1	1	0	3	-	0	4.34	-	-	-
SURREY																																
MERRIST WOOD	9 9	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICKLEHAM	9 9	55	-	-	-	-	-	-	-	-	-	-	63	125	23	13	(16)	(10)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WISLEY	9 9	35	17.0	8.4	12.7	-2.5	23.8	3	2.5	2	13.6	12.7	69	157	23	13	15	10	0	0	0	0	1	3	0	3	-	0	4.28	61	-	-
KENT																																
DOVER R.M.S.	9 9	123	15.5	9.2	12.3	-	24.0	13	5.5	6	-	-	49	102	16	13	14	10	0	0	0	0	2	2	0	-	-	0	-	-	-	-
DUNGENESS	9 9	3	15.9	10.8	13.3	-	22.1	13	7.1	27	-	-	36	96	10	10	18	8	0	0	0	0	3	1	0	-	-	0	-	-	-	-
EAST MALLING	9 9	32	16.7	9.1	12.9	-1.8	23.8	13	4.7	9	14.0	12.7	85	188	45	13	13	10	0	0	0	0	5	0	0	1	0	0	(4.57)	(63)	-	-
ELMSTONE	9 9	5	16.9	9.0	12.9	-	24.3	13	3.8	6	-	-	53	128	22	13	14	8	0	0	1	0	1	0	0	0	-	0	-	-	-	-
FAVERSHAM	9 9	48	16.8	9.2	13.0	-	21.8	3	4.9	9	13.6	12.5	57	124	35	13	10	7	0	0	0	0	2	2	0	0	-	0	4.47	-	-	-
FOLKESTONE	9 9	31	16.4	9.8	13.1	-	26.2	13	4.7	6	-	13.6	40	101	16	13	14	6	0	0	0	0	2	0	0	0	-	0	4.81	60	-	-
GILLINGHAM	9 9	4	17.5	9.7	13.6	-	23.0	13	5.7	9	-	-	55	122	20	13	14	8	-	-	-	-	-	-	0	-	-	-	-	-	-	-
GOUDHURST	9 9	85	16.6	8.8	12.7	-1.4	24.8	13	4.7	8.27	-	-	62	119	23	12	16	9	0	0	0	0	2	0	0	1	-	0	-	-	-	-
HADLOW COLLEGE	9 9	30	16.8	8.3	12.5	-	24.6	13	1.0	8	-	12.2	77	-	27	13	14	10	0	0	0	0	2	0	0	0	-	0	3.91	-	-	-
HERNE BAY	9 9	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MANSTON	21-9	44	16.2	9.9	13.1	-	25.0	13	4.8	8	-	-	44	109	19	13	13	8	0	0	1	0	2	1	0	0	0	0	4.49	-	-	-
MARGATE	9 9	16	15.8	10.8	13.3	-1.8	20.6	24	7.3	8	13.9	12.6	49	128	20	13	12	6	0	0	0	0	2	0	0	0	-	0	4.81	61	-	-
ULCOMBE	21-9	47	17.0	8.5	12.7	-	25.0	13	3.2	8	-	-	50	-	23	13	14	9	0	0	0	0	4	0	0	1	0	0	4.71	-	-	-
WYE	9 9	56	16.5	9.0	12.7	-2.0	24.9	13	5.0	27	13.8	12.5	43	96	21	13	13	8	0	0	0	0	4	1	0	3	-	0	4.58	62	-	-
HAMPSHIRE																																
ALICE HOLT LODGE	9 9	115	15.9	7.9	11.9	-2.6	23.0	3	2.0	9	-	-	62	126	12	13	15	14	0	0	0	0	3	0	0	1	-	0	4.20	-	-	-
EVERTON	9 9	16	15.8	9.2	12.5	-	21.2	4	5.0	9	-	-	57	119	17	12	15	11	0	0	0	0	1	0	0	0	-	0	4.48	-	-	-
HAYLING ISLAND	9 9	4	16.4	10.2	13.3	-	21.6	4	6.8	9	-	-	42	102	12	13	14	10	0	0	0	0	0	0	0	-	-	1	5.10	-	-	-
LECKFORD	9 9	117	15.7	7.5	11.6	-2.7	23.0	3	2.7	9	12.2	-	64	127	19	12	15	10	0	0	0	0	1	0	0	-	-	0	3.49	53	-	-
LONG SUTTON	9 9	145	15.6	7.4	11.5	-	22.2	4	3.4	1	14.2	12.3	57	119	13	13	14	10	0	0	1	0	1	1	0	4	0	0	4.34	63	-	-
MARTYR WORTHY	9 9	84	16.0	7.6	11.8	-	22.6	3	2.4	9	-	-	50	101	12	13	15	11	0	0	0	0	0	0	0	1	-	0	3.57	-	-	-
SOUTHAMPTON																																
MAYFLOWER PARK	9 9	3	16.9	9.7	13.3	-2.4	24.5	3	6.4	9	(14.7)	(13.9)	56	-	18	13	13	9	0	0	0	0	2	0	0	1	0	0	4.54	62	-	-
WEATHER CENTRE (X)	21-9	19	16.8	9.9	13.3	-	24.0	3	6.4	9	-	-	55	-	18	13	13	9	0	0	0	0	2	0	0	-	-	0	-	-	-	-
SOUTHSEA	9 9	2	16.6	10.6	13.6	-2.1	21.5	4	7.2	1	14.9	13.9	42	101	13	13	13	8	0	0	0	0	1	0	0	-	-	0	5.02	64	-	-
SPARSHOLT	9 9	113	(15.2)	(7.7)	(11.5)	-	(22.5)	3	3.8	10	-	-	64	-	15	12	11	11	0	0	0	0	0	0	0	2	-	0	-	-	-	-
ISLE OF WIGHT																																
RYDE	9 9	4	16.2	10.5	13.3	-2.2	21.1	4	6.5	9	-	-	48	108	13	13	13	9	0	0	0	0	0	0	0	-	-	0	4.44	55	-	-
ST CATHERINES POINT	9 9	16	14.8	10.0	12.4	-1.9	21.8	4	7.0	1	-	-	47	116	15	13	13	9	0	0	0	0	1	0	0	-	-	0	-	-	-	-
SANDOWN	9 9	4	16.2	10.0	13.1	-2.0	21.2	4	4.5	9	-	-	38	91	15	13	7	7	0	-	0	0	1	0	0	-	-	1	5.03	60	-	-
SHANKLIN	9 9	55	15.6	9.5	12.5	-1.8	20.5	4	5.0	9	-	-	49	95	15	13	14	9	0	0	0	0	0	0	0	-	-	0	5.38	62	-	-
VENTNOR	9 9	135	15.4	9.8	12.6	-1.9	21.7	4	7.0	2	14.6	13.0	49	98	14	13	14	9	0	0	1	0	1	0	0	0	-	1	5.31	67	-	-
WEST SUSSEX																																
BOGNOR REGIS	9 9	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GATWICK AIRPORT	21-9	59	16.7	8.5	12.6	-	22.8	3	2.9	9	-	-	62	118	23	12	16	9	0	0	1	0	3	0	0	3	0	0	4.45	-	-	-
HURSTPIERPOINT	9 9	30	16.8	8.6	12.7	-	23.1	13	3.5	2	-	-	53	-	26	12	16	9	-	-	-	-	-	-	0	-	-	-	-	-	-	-
LITTLEHAMPTON	9 9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH HEATH	9 9	21	17.3	8.2	12.7	-	22.9	3	2.5	9	14.0	12.3	56	-	14	17	15	10	0	0	0	0	1	0	0	0	-	0	4.17	-	-	-
ROGATE	9 9	64	16.3	8.2	12.3	-	22.5	3	2.3	9	14.8	-	44	-	14	13	13	10	0	0	0	0	0	0	0	2	-	0	-	-	-	S
RUSTINGTON	9 9	8	16.1	9.5	12.8	-	21.5	4	4.4	9	-	13.5	47	-	17	13	11	9	-	0	-	-	-	-	0	-	-	-	4.83	-	-	-
WORTHING	9 9	2	16.5	9.7	13.1	-	22.9	13	5.9	2	15.6	-	48	-	17	13	16	10	0	0	0	0	3	0	0	0	-	0	5.05	-	-	-
EAST SUSSEX																																
BEXHILL	9 9	4	16.4	10.8	13.6	-1.1	24.9	13	7.8	12	-	-	70	170	39	12	16	10	0	0	0	0	3	0	0	0	-	1	5.35	68	-	-
BRIGHTON	9 9	10	16.4	10.3	13.3	-1.6	25.5	13	6.2	1	-	14.5	53	117	22	12	15	10	0	0	0	0	0	0	0	0	-	0	5.16	66	-	-
EASTBOURNE	9 9	7	16.8	10.9	13.9	-0.8	24.9	13	7.7	2,12	15.2	14.0	35	77	15	13	14	8	0	0	1	0	3	0	0	0	-	0	5.61	66	-	-
EAST HOATHLY	9 9	38	16.9	8.9	12.9	-	25.9	13	3.4	2	-	-	43	93	11	7	15	10	0	0	0	1	2	0	0	1	0	0	4.63	-	-	-
HASTINGS	9 9	45	16.4	10.4	13.4	-1.3	26.2	13	7.5	2	16.3	14.6	42	103	13	13	13	10	0	0	0	0	4	0	0	0	-	1	5.49	69	-	-
HERSTMONCEUX	21-9	17	16.6	9.1	12.9	-	25.8	13	4.5	2	-	-	38	-	10	13	16	11	0	0	0	0	3	0	0	3	-	0	-	-	-	-
PLUMPTON	9 9	76	16.5	9.5	13.0	-	24.4	13	5.1	2	-	-	54	85	14	12	16	11	0	0	0	0	0	3	0	0	-	0	4.75	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JUNE 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HIGHT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIP-ITATION 0.2 MM OR MORE	PRECIP-ITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS.ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
7A ENGLAND NW & I.O.M.																															
CUMBRIA																															
CARLISLE	21-9	26	17.1	8.0	12.5	-	23.7	22	2.5	21	14.9	13.0	63	99	17	12	12	11	0	0	1	0	0	0	0	3	0	0	7.21	-	-
CARTMEL	9 9	34	16.9	7.5	12.2	-	23.6	3	1.6	9	-	-	75	-	11	12	15	12	0	0	0	0	1	1	0	-	-	0	-	-	-
GRIZEDALE	9 9	91	17.2	5.4	11.3	-	24.6	3	0.2	21	(12.4)	-	86	76	10	6	17	14	0	0	0	0	0	0	0	15	-	0	-	-	-
MOOR HOUSE	9 9	556	12.7	3.8	8.3	-	20.4	3	-4.2	21	8.6	-	145	126	28	12	17	14	0	0	1	0	0	1	0	7	-	0	6.22	-	-
NEWTON RIGG	9 9	171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SELLAFIELD	9 9	13	16.4	(8.9)	(12.7)	-	21.1	23	4.6	21	-	-	61	85	22	6	12	9	-	0	-	-	-	1	0	-	-	-	7.69	-	-
LANCASHIRE																															
HAZELRIGG	9 9	94	15.6	8.2	11.9	-	21.3	23	3.3	1	-	-	89	-	19	10	16	14	0	0	0	0	1	0	0	2	-	0	7.95	-	-
HELMSHORE	9 9	260	14.9	7.3	11.1	-	21.8	23	2.3	1	12.1	-	158	168	29	27	16	13	0	0	0	0	0	0	0	2	-	0	5.92	-	S
KIRKHAM	9 9	24	16.2	8.0	12.1	-	22.9	23	2.6	9	-	-	78	120	19	10	14	11	0	0	0	0	0	0	0	4	-	0	7.36	-	-
MORECAMBE	9 9	7	17.1	9.4	13.3	-1.1	21.1	23	5.4	1.9	-	-	69	100	16	10	15	12	0	0	0	0	1	0	0	-	-	0	7.99	119	-
PRESTON	9 9	33	16.5	8.4	12.5	-	23.4	23	4.0	1.9	-	-	108	152	22	27	15	12	0	0	0	0	1	0	0	3	-	0	-	-	-
SLAIDBURN	9 9	192	15.9	6.8	11.3	-	23.5	3	1.2	1	-	-	121	128	17	12	17	12	0	0	0	0	0	0	0	4	-	0	7.38	-	-
SQUIRES GATE AIRPORT	21-9	10	16.0	8.3	12.1	-1.8	21.8	23	2.1	1	-	-	62	107	17	10	11	11	0	0	0	0	1	0	0	4	0	0	7.53	102	-
STONYHURST	9 9	115	16.4	(7.1)	(11.7)	(-2.0)	24.7	23	2.6	1.9	-	-	142	179	29	30	13	13	-	0	-	-	-	2	0	0	-	-	6.37	103	-
MERSEYSIDE																															
AIGBURTH	9 9	12	16.4	9.5	12.9	-	22.1	22	5.5	21	-	-	110	-	23	10	14	12	0	0	0	0	2	0	0	0	0	0	6.13	-	-
BIDSTON	9 9	60	15.4	9.7	12.5	-	21.9	23	6.2	7	-	-	108	-	21	10	16	15	0	0	1	0	2	0	0	0	-	0	6.44	-	-
ST HELENS	9 9	76	17.1	8.8	12.9	-	24.0	22	4.5	1	(15.0)	-	133	-	23	10	17	13	-	-	-	-	-	-	0	-	-	-	6.56	-	-
SOUTHPORT	9 9	5	15.8	8.3	12.1	-1.9	25.5	23	2.6	1	13.8	11.3	88	157	15	10	13	12	-	-	-	-	-	-	0	1	-	-	7.43	103	-
SPEKE AIRPORT	21-9	22	16.7	9.0	12.9	-1.9	22.7	22	3.3	1	-	-	108	-	22	10	15	14	0	0	1	0	3	0	0	1	0	0	6.79	103	-
WEST KIRBY PARK	9 9	8	16.8	9.5	13.1	-1.6	23.2	23	4.8	9	-	-	121	237	26	14	15	13	0	0	1	0	0	-	0	0	-	0	-	-	-
GREATER MANCHESTER																															
BOLTON	9 9	107	15.8	7.8	11.8	-	21.6	22	2.0	1	12.5	11.4	144	-	29	30	15	14	0	0	0	0	0	0	0	3	-	0	6.21	99	-
MANCHESTER RINGWAY AIRPORT	21-9	75	16.7	8.6	12.7	-1.6	24.2	2	3.7	1	-	-	107	175	20	12	16	13	0	0	1	0	3	0	0	2	0	0	6.57	103	-
WEATHER CENTRE (X)	21-9	69	17.1	9.6	13.3	-	24.2	22	6.0	1	-	-	111	-	19	30	16	14	0	-	0	0	2	0	0	-	-	0	6.51	-	-
CHESHIRE																															
KNUTSFORD	9 9	65	17.1	7.6	12.3	-	23.8	2.22	1.5	1	13.7	12.6	107	167	18	10	17	13	0	0	0	0	1	0	0	2	-	0	-	-	-
MACCLESFIELD	9 9	152	16.4	7.5	11.9	-2.3	22.5	3	1.7	1	-	-	78	110	21	12	15	12	0	0	0	0	1	0	0	-	-	0	-	-	-
NESS GARDENS	9 9	55	16.2	8.7	12.5	-	21.8	22	3.5	1	14.3	-	121	233	33	10	14	13	0	0	1	0	2	0	0	2	-	0	5.49	-	S
ISLE OF MAN																															
DOUGLAS	9 9	87	15.2	8.9	12.1	-0.9	20.9	2	4.8	11	-	-	66	96	15	11	12	8	0	0	0	0	0	0	0	1	-	0	7.68	107	-
POINT OF AYRE	21-9	9	16.0	9.0	12.5	-1.2	21.3	24	4.3	9	-	-	41	83	9	10	11	10	0	0	0	0	0	0	0	-	-	0	8.00	111	-
RONALDSWAY AIRPORT	21-9	16	15.6	8.7	12.1	-0.8	21.9	2	3.6	9	-	-	53	102	8	6.11	13	10	0	0	0	0	0	0	0	0	-	0	7.72	109	-
7B WALES N																															
GWYNEDD																															
ABER	9 9	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALA	9 9	163	15.6	6.8	11.2	-	22.6	23	-1.0	1	13.3	12.0	100	138	18	10	15	13	0	0	0	0	1	0	2	3	1	0	5.40	-	-
BARDSEY ISLAND	21-9	16	13.9	9.7	11.8	-	16.5	15	6.2	11	-	-	90	166	19	27	13	11	0	0	0	0	1	2	0	0	0	0	-	-	-
BETWS-Y-COED	9 9	15	(17.3)	(7.2)	(12.3)	-	24.5	22	1.2	9	14.4	-	104	-	26	10	14	13	0	0	0	0	0	0	0	2	-	0	-	-	-
BOTWNNOG	9 9	34	15.9	8.6	12.3	-	20.7	23	4.5	9	15.1	14.0	66	99	21	10	10	9	0	0	0	0	0	0	0	0	-	0	(6.44)	-	-
CWMYSTRADLLYN	9 9	204	15.3	8.9	12.1	-	21.0	3.22.23	5.0	7.8.9	-	-	149	-	37	27	16	14	-	-	-	-	-	-	0	-	-	-	6.41	-	-
LLYN ALAW	9 9	44	15.5	8.8	12.1	-	22.0	23	5.0	1	-	-	83	-	21	27	15	11	-	-	-	-	-	-	0	-	-	-	7.67	-	-
PEN-Y-FFRIDD	9 9	84	16.0	8.7	12.3	-	22.7	23	5.0	9	-	-	111	155	26	10	14	11	0	0	0	0	0	0	0	2	-	0	7.04	-	-
TRAWSFYNYDD	9 9	193	15.9	8.1	12.0	-	23.0	3	3.4	1.9	-	-	167	153	55	30	14	13	-	0	-	-	-	0	0	4	0	-	-	-	-
VALLEY	21-9	10	16.0	9.4	12.7	-0.9	22.0	22	5.8	9	-	-	74	134	21	27	13	10	0	0	0	0	0	0	0	0	0	0	7.76	106	-
CLWYD																															
ALWEN	9 9	335	14.2	5.7	9.9	-	22.0	23	-2.2	1	-	-	132	189	47	10	17	11	-	-	-	-	-	-	2	6	-	-	-	-	-
BWLCHGWYN	9 9	386	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLWYN BAY	9 9	24	15.2	9.7	12.5	-	19.9	24	6.0	1.9	-	-	111	253	31	10	16	14	0	0	0	0	0	0	0	-	-	0	(6.66)	(921	-
CORWEN	9 9	144	15.9	6.7	11.3	-	22.4	22.23	-0.9	9	-	-	119	202	39	10	17	14	0	0	0	0	1	-	2	2	-	0	-	-	-
HAWARDEN BRIDGE	9 9	5	17.6	8.9	13.3	-1.4	23.0	22	2.1	1	-	-	93	187	27	10	15	12	0	0	0	0	1	0	0	-	-	0	-	-	-
LLOGGERHEADS	9 9	210	15.1	6.5	10.8	-	20.6	22.23	-0.5	1	12.2	11.2	137	233	51	10	17	13	0	0	1	0	1	3	1	4	-	0	6.80	-	S
PRESTATYN	9 9	4	15.8	9.8	12.8	-1.5	23.8	23	6.3	1	-	-	119	259	36	14	15	11	0	0	0	0	2	0	0	-	-	0	6.50	98	-
RUTHIN	9 9	76	16.1	7.8	11.9	-	22.4	23	0.9	1	-	-	117	244	39	10	16	13	0	0	0	0	0	0	0	-	-	0	5.70	-	S
POWYS(NORTH)																															
LAKE VYRNWY	9 9	303	14.8	7.0	10.9	-1.8	22.5	3	1.0	1	12.0	-	119	129	21	14	15	13	0	0	0	0	1	0	0	2	-	0	-	-	-
MOEL CYNNEDD	9 9	358	14.8	5.4	10.1	-	22.8	3	-1.7	9	10.8	-	155	-	61	30	17	13	0	0	0	0	0	0	2	8	-	0	-	-	-
8A WALES S																															
DYFED																															
ABERPORTH	21-9	134	14.2	9.0	11.6	-1.7	18.4	23	4.6	9	-	-	54	97	13	10	14	8	0	0	0	0	0	2	0	1	0	0	6.59	90	-
ABERYSTWYTH	9 9	4	-	-	-	-	-	-	-	-	-	-	46	68	12	4	10	8	0	0	0	0	1	1	-	-	-	0	-	-	-
BRAWDY	21-9	111	14.7	8.5	11.6	-	18.6	2	3.5	1	-	-	50	-	16	10	11	7	0	0	0	0	0	0	0	5	0	0	7.00	-	-
BRYNAMMAN	21-9	183	16.7	8.3	12.5	-	24.5	3	4.4	8.9	-	-	73	-	12	30	16	14	0	0	1	0	0	0	0	0	-	0	-	-	-
CARMARTHEN	9 9	15	17.1	7.9	12.5	-	22.8	2	1.5	9	13.9	12.3	64	83	17	10	12	9	0	0	0	0	0	0	0	3	-	0	5.38	-	S
CWMYSTWYTH	9 9	301	(14.8)	(6.3)	(10.5)	-	21.9	23	0.1	9	-	-	150	153	42	30	18	14	0	0	0	0	0	1	0	4	-	0	(5.50)	-	S
DALE FORT	9 9	33	16.1	9.7	12.9	-1.0	19.7	2	5.4	9	15.3	-	32	-	11	10	9	8	0	0	0	0	0	0	0	1	-	0	6.86	-	-
ESGAIRWEN-UCHAF	9 9	332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOGERDDAN	9 9	31	16.4	8.4	12.4	-	22.1	2.3	1.9	1	-	-	65	99	16	4	16	12	0	0	0	0	0	1	0	5	-	0	5.69	-	-
LLETY-EVAN-HEN	9 9	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MILFORD HAVEN (CONSERVANCY BOARD)	21-9	37	15.8	9.0	12.4	-	20.6	3	4.5	1	-	-	50	89	16	10	10	8	0	0	0	0	0	0	0	0	0	0	-	-	-
ORIELTON	9 9	61	16.1	8.4	12.3	-	20.8	3	2.1	9	14.5	-	54	88	19	10	10	8	0	0	1	0	0	0	0	2	-	0	-	-	-
SKOKHOLM ISLAND	9 9	35	14.3	10.2	12.3	-	16.8	2	6.7	1	-	-	35	-	11	10	8	7	0	0	0	0	0	0	0	0	-	0	-	-	-
TENBY	- -	-	16.3	8.3	12.3	-	23.5	3	1.0	9	-	-	47	-	14	10	9	8	0	0	0	0	0	0	0	-	-	0	-	-	-
TRAWSCOED	9 9	61	16.3	7.4	11.9	-	22.2	2	0.2	1	13.5	-	85	126	21	4	16	14	0	0	0	0	0	1	0	4	-	0	(5.63)	(91)	-
TREGARON	9 9	178	15.9	6.5	11.2	-	22.6	23	-0.7	9	-	-	84	-	23	4	15	13	0	0	0	0	0	0	1	5	-	0	5.46	-	-
WHITECHURCH	9 9	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POWYS(SOUTH)																															
CENARTH	21-9	308	15.1	6.6	10.9	-	23.7	3	-0.8	9	-	-	84	-	23	30	16	14	0	0	0	0	0	1	1	7	-	0	-	-	-
LLANGENNY	9 9	122	16.4	8.1	12.3	-	23.7	3	2.8	9	-	-	83	-	31	10	14	10	0	-	0	0	1	-	0	-	-	0	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JUNE 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HEIGHT OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
8A WALES S CONTINUED																																
WEST GLAMORGAN																																
MUMBLES HEAD	21-9	36	15.7	10.3	13.0	-	24.6	3	7.0	7	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	-	-	-
NEATH	9 9	62	16.4	9.6	13.0	-	24.2	3	4.2	9	-	-	74	88	13	9	13	11	0	0	0	0	0	0	0	0	0	0	-	-	-
PENMAEN	9 9	85	16.0	9.4	12.7	-	23.6	3	5.3	1	14.6	13.8	77	99	20	10	13	10	0	0	0	0	0	1	0	0	0	0	6.11	-	-
PORT TALBOT	9 9	7	17.9	10.0	13.9	-	24.5	3	4.5	9	-	-	78	107	18	10	11	10	0	0	0	0	0	0	0	-	-	0	-	-	S
SWANSEA	9 9	8	16.5	10.3	13.4	-1.8	24.0	3	6.8	8	13.9	14.6	78	109	17	10	14	13	0	0	0	0	0	0	0	0	0	0	-	-	S
WHITEFORD BURROWS	9 9	6	17.2	8.7	12.9	-	22.8	3	2.9	9	-	-	57	-	19	10	15	11	0	0	0	0	0	1	0	4	-	0	-	-	-
MID GLAMORGAN																																
ABERDARE	9 9	174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CILFYNYDD	21-9	194	16.1	8.3	12.2	-	23.6	3	4.4	1,9	-	-	79	-	28	10	18	13	0	0	0	0	0	0	0	-	-	0	-	-	-
LLWYNON	9 9	242	15.6	7.1	11.3	-	24.5	3	2.4	8	-	-	87	87	23	30	17	14	0	0	0	0	0	3	0	-	-	0	5.94	-	S
PORTHCAWL	9 9	6	17.1	9.7	13.4	-	23.0	3	5.5	2	-	-	67	101	17	11	11	8	0	-	0	0	0	0	0	-	-	0	-	-	S
SOUTH GLAMORGAN																																
BRIDGEND	9 9	43	16.7	(8.7)	(12.7)	-	21.7	3	3.7	9	14.9	12.9	87	-	23	10	15	12	-	-	-	-	-	-	0	-	-	-	-	-	-
RHOOSE AIRPORT	21-9	67	15.9	8.7	12.3	-	20.3	4	3.8	9	-	-	72	-	33	10	14	9	0	0	1	0	2	0	0	2	0	0	6.23	-	-
GWENT																																
CRUMBLAND	9 9	245	15.1	7.6	11.3	-	23.7	3	3.4	1	12.2	11.3	105	162	30	10	15	10	0	0	0	0	2	3	0	3	-	0	5.38	-	-
NEWPORT	9 9	23	(16.6)	8.7	(12.7)	-	23.3	3	4.5	8,12	-	-	70	111	26	10	14	11	0	0	0	0	1	0	0	0	-	0	5.78	-	-
USK	9 9	21	-	-	-	-	-	-	-	-	15.5	-	68	109	23	10	14	11	0	0	0	0	0	-	-	3	-	0	4.52	72	-
8B ENGLAND SW																																
AVON																																
BATH	9 9	118	-	-	-	-	-	-	-	-	-	-	79	139	28	6	8	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FILTON	21-9	59	16.5	8.8	12.7	-2.2	23.4	3	3.7	9	-	-	86	162	24	9	14	9	0	0	1	1	3	0	0	4	0	0	4.97	73	-
LONG ASHTON	9 9	51	16.4	8.5	12.5	-2.3	23.3	3	4.2	9	13.8	-	109	187	25	7	15	9	0	0	0	0	1	0	0	0	-	0	4.87	70	-
SOMERSET																																
CANNINGTON	9 9	23	16.8	9.0	12.9	-2.0	23.2	3	3.5	1	15.0	-	75	170	19	10	15	12	0	0	0	0	0	0	0	2	-	0	4.91	68	-
CREWKERNE	9 9	101	15.8	8.7	12.3	-	22.6	3	4.1	1,9	13.5	-	79	-	16	9	17	12	0	0	0	0	2	-	0	-	-	0	-	-	-
DOWNSIDE ABBEY	9 9	183	16.2	7.9	12.1	-	24.1	3	2.9	12	-	-	89	129	27	9	14	11	0	0	0	0	1	1	0	-	-	0	-	-	-
EXTON	21-9	335	14.7	7.2	10.9	-	21.9	3	2.2	12	-	-	98	-	33	10	18	9	0	0	1	0	4	0	2	0	0	0	-	-	-
HAWKRIDGE	9 9	314	13.8	7.3	10.5	-	21.6	3	1.9	9	-	-	105	134	32	10	16	14	0	0	0	0	4	0	3	0	(4.74)	-	-	-	-
NETTLECOMBE	9 9	96	16.0	7.6	11.8	-	22.9	3	1.5	1	14.5	-	94	-	27	10	16	11	0	0	0	0	1	0	2	0	-	-	-	-	-
NETTLECOMBE(BIRDS HILL)	9 9	290	14.1	7.8	10.9	-	20.7	3	0.3	1	-	-	91	-	23	10	15	11	0	0	0	0	0	2	0	2	0	0	-	-	-
RODNEY STOKE	9 9	40	16.1	8.4	12.3	-	23.0	3	3.8	8	13.8	12.6	53	91	15	10	14	11	0	0	0	0	0	0	0	1	0	0	-	-	-
WINCANTON	9 9	114	16.2	8.1	12.1	-	23.0	3	3.9	1	-	-	80	145	17	9	15	12	0	0	1	0	1	0	0	0	0	0	4.54	-	-
YEOVILTON	21-9	18	16.6	8.6	12.6	-	23.4	3	2.9	9	-	-	74	165	21	9	17	13	0	0	0	1	2	0	0	0	0	0	-	-	-
DORSET																																
BOURNEMOUTH																																
HURN AIRPORT	21-9	10	16.4	8.5	12.5	-	23.6	3	3.2	9	-	-	93	198	32	12	15	12	0	0	0	0	2	0	0	1	0	0	5.19	-	-
MEYRICK PARK	9 9	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	1	0	0	0	-	-	-	0	4.79	61	-
CHRISTCHURCH	9 9	3	16.2	9.3	12.7	-	22.0	4	4.3	9	-	-	87	180	33	12	13	12	0	0	0	0	2	0	0	0	-	0	-	-	-
POOLE	9 9	5	16.5	8.6	12.5	-2.6	23.5	3	3.2	8	14.2	13.5	108	245	27	12	15	12	0	0	1	0	0	2	0	0	-	0	5.32	71	-
PORTLAND BILL (COASTGUARD)	21-9	53	14.4	9.4	11.9	-2.0	18.6	4	6.4	1	-	-	73	-	19	9	13	9	0	0	0	0	1	0	0	0	0	0	-	-	-
SWANAGE	9 9	11	15.3	9.9	12.6	-2.0	21.8	4	6.0	9	-	13.8	70	159	21	12	13	11	0	0	0	1	1	0	0	0	-	0	5.51	68	-
WEYMOUTH	9 9	23	16.2	9.5	12.9	-	23.5	4	4.4	9	-	-	60	-	19	9	13	9	0	0	0	0	0	0	0	-	-	0	5.10	65	-
WINFRITH	9 9	26	16.1	(8.7)	(12.4)	-	22.7	3	2.4	9	-	-	82	171	25	9	13	11	0	0	0	0	0	0	0	1	-	0	-	-	-
DEVON																																
CHELDON BARTON	9 9	164	16.3	8.0	12.1	-	23.6	3	2.3	9	13.3	-	104	-	25	10	15	14	0	0	0	0	1	0	0	4	-	0	5.17	-	-
EXETER AIRPORT	21-9	32	16.8	8.9	12.9	-1.8	23.8	3	3.6	9,12	-	-	86	209	20	9	15	11	0	0	0	0	1	0	0	1	0	0	4.77	69	-
EXMOUTH	9 9	59	16.6	9.8	13.2	-1.1	22.0	4	5.4	9	-	-	57	143	16	9	13	12	0	0	0	1	1	0	0	-	-	0	5.72	78	-
HARTLAND POINT	21-9	91	14.0	10.4	12.2	-1.4	17.5	3	7.0	12	-	-	51	96	29	10	11	10	0	0	0	0	0	1	0	0	0	0	5.96	81	-
ILFRACOMBE	9 9	8	15.4	10.9	13.1	-	20.4	3	7.0	9	14.9	13.4	72	-	35	10	11	11	0	0	0	0	0	0	0	-	-	0	5.97	-	-
PLYMOUTH																																
MOUNT BATTEN	21-9	27	15.7	10.0	12.9	-1.4	20.5	4	5.4	9	-	-	55	97	11	10	13	10	0	0	0	0	0	0	0	0	0	0	5.43	73	-
THE HOE	9 9	36	15.9	10.3	13.1	-1.7	20.9	4	6.1	9	15.0	13.4	52	95	11	10	13	10	0	0	0	0	0	0	0	0	-	0	5.18	71	-
PRAWLE POINT	21-9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	1	-	-	-	1	5.44	-	-
PRINCETOWN	9 9	414	13.7	7.2	10.5	-	21.2	3	3.2	2	-	-	87	-	18	10	17	14	0	0	0	0	0	7	0	2	-	0	-	-	-
SLAPTON	9 9	32	16.3	9.7	13.0	-	22.6	4	4.8	12	-	-	65	113	15	9	15	12	0	0	1	0	0	1	0	0	-	0	-	-	-
STARCROSS	9 9	9	16.4	9.1	12.7	-1.7	21.7	4	3.7	9	14.4	-	60	143	17	9	13	11	0	0	0	0	1	0	0	0	-	0	5.51	76	-
TAVISTOCK	9 9	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEIGNMOUTH	9 9	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TORBAY(TORQUAY)	9 9	8	16.6	10.3	13.5	-1.5	22.0	4	5.2	12	-	14.3	71	155	19	9	12	10	0	0	0	0	0	0	0	0	-	0	5.91	75	-
CORNWALL																																
BASTREET	9 9	232	15.0	7.5	11.3	-	21.4	3	-0.4	9	-	-	70	70	14	9	18	14	0	0	0	0	0	3	1	3	-	0	4.86	-	-
BUDE	9 9	15	15.6	9.5	12.5	-1.6	20.4	2	2.5	9	15.3	-	47	94	19	10	11	9	0	0	0	0	0	0	0	-	-	0	4.23	60	-
CULDROSE	9 9	81	14.8	8.9	11.9	-	20.6	3	3.5	12	-	-	36	74	7	24	12	9	0	0	0	0	0	2	0	0	0	0	5.37	-	-
ELLBRIDGE	9 9	69	16.7	9.2	12.9	-	23.7	3	3.7	12	-	-	63	98	10	8	17	12	0	0	0	0	0	0	0	2	-	0	4.81	68	-
FALMOUTH	9 9	51	15.4	8.9	12.1	-2.4	21.5	3	4.0	12	-	-	50	86	10	16	11	8	0	0	0	0	0	0	0	-	-	0	4.54	61	S
FOWEY	9 9	75	15.2	9.3	12.3	-2.3	19.1	30	3.4	12	-	-	46	-	10	9	16	9	0	0	0	0	0	0	0	-	-	0	-	-	-
GULVAL	9 9	15	16.0	9.5	12.7	-	22.5	3	5.0	9,12	-	-	41	-	13	9	11	9	0	0	0	0	0	0	0	-	-	0	5.23	-	-
GWENNAP HEAD	21-9	66	14.6	10.1	12.3	-	21.3	3	6.6	9	-	-	45	-	10	9	13	10	0	0	0	0	0	2	0	0	0	1	-	-	-
LIZARD	9 9	73	14.9	9.8	12.3	-1.6	19.4	28	7.1	9	-	-	39	79	8	24	13	11	0	0	0	0	0	2	0	-	-	0	5.81	79	-
NEWQUAY	9 9	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENZANCE	9 9	19	16.0	9.8	12.9	-1.8	21.2	3	3.9	9	-	-	37	66	8	8	11	8	0	0	0	0	0	0	0	-	-	0	4.96	68	-
ROSEWARNE	9 9	76	15.0	9.2	12.1	-	18.4	27	4.8	12	14.4	13.4	71	127	15	10	16	11	0	0	0	0	0	0	0	0	-	0	5.12	-	-
ST AUSTELL(BETHEL)	9 9	55	15.4	9.6	12.5	-	19.4	3	4.7	12	-	-	49	-	14	9	18	11	0	0	0	0	0	0	0	-	-	0	5.29	-	-
ST JOHNS	9 9	128	16.1	8.5	12.3	-	22.0	3	0.8	9	-	-	65	94	21	10	15	10	-	-	-	-	-	-	0	-	-	-	5.21	-	-
ST MAWGAN	21-9	103	15.1	9.9	12.5	-	19.7	3	5.3	12	-	-	63	115	22	10	13	8	0	0	0	0	1	1	0	0	0	0	5.45	-	-
SCILLY(ST MARYS)	21-9	48	15.3	10.7	13.0	-1.4	18.0	3	7.8	9	-	-	67	138	25	16	15	10	0	0	0	0	0	1	0	0	-	0	6.50	87	-
CHANNEL ISLANDS																																
ALDERNEY	9 9	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GUERNSEY																																
AIRPORT	21-9	104	14.0	10.0	12.0	-2.1	18.2	4	8.0	12,22	12.6	12.0	56	127	10	19	13	11	0	0	0	0	0	2	0	0	0	0	4.93	58	-
L'ANCRESSE	9 9	5	15.0	10.6	12.8	-	18.5	4	6.3	12	-	-	65	159	11	18	18	14	0	-	0	0	0	-	0	-	-	0	5.27	-	-
JERSEY																																
AIRPORT	9 9	83	14.8	10.2	12.5	-	18.4	4	7.6	12	13.8	12.7	42	107	7	9	13	9	0	0	0	0	0	1	0	0	0	0	5.31	-	-
GOREY CASTLE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.41	-	-
ST HELIER	9 9	47	16.1	10.9	13.5	-2.4	20.0	4	7.9	22	-	-	46	115	7	5	14	9	0	0	0	0	0	0	0	0	-	0	5.34	62	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL M(GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
NORTHERN IRELAND																																
LONDONDERRY																																
AGHANLOD	9 9	18	15.7	7.8	11.7	-	24.7	23	5.3	7.11	-	-	48	-	18	6	12	12	-	-	-	-	-	0	0	-	-	-	-	-	-	-
BANAGHER(CAUGH HILL) ...	9 9	216	15.4	6.4	10.9	-	23.0	23	3.5	11	-	-	51	-	10	6	14	9	0	0	0	1	0	2	-	-	1	5.78	-	-
CARMONEY	9 9	73	15.3	8.1	11.7	-	24.2	23	5.2	9	-	-	41	-	11	24	13	9	0	0	0	1	0	0	0	0	-	6.79	-	-
COLERAINE UNIVERSITY ...	9 9	23	14.4	7.0	10.7	-	24.5	23	2.4	2	14.3	11.5	49	-	8	6	16	11	0	0	0	0	0	0	0	2	-	5.97	101	-
COOLKEERAGH	9 9	3	16.2	8.5	12.3	-	25.5	23	5.0	9	-	-	39	-	11	24	11	9	-	-	-	-	-	0	-	-	-	-	-	-
DERRYNOYD FOREST ...	9 9	88	17.0	6.7	11.9	-	24.8	23	1.4	9	-	-	40	51	9	30	12	10	0	0	0	0	0	0	0	6	-	-	-	-
GARVAGH FOREST	9 9	88	15.9	6.3	11.1	-	24.2	23	2.4	9	13.9	11.1	44	51	8	4	15	12	0	0	0	0	0	0	0	2	-	-	-	-
LOUGHERMORE FOREST ...	9 9	174	15.7	6.2	10.9	-	23.9	23	1.3	13	-	-	62	80	13	30	12	10	0	0	0	0	0	0	0	4	-	1	-	-
MONEYDIG	9 9	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOMERSET FOREST ...	9 9	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																														
ALDERGROVE AIRPORT ...	21-9	68	16.6	7.7	12.1	-1.2	25.0	23	3.3	9	14.1	11.2	41	63	11	30	12	7	0	0	0	0	0	0	0	4	0	0	6.63	114	-
ALTNAHINCH	9 9	226	14.3	5.9	10.1	-	23.3	23	2.2	13.21	-	-	77	70	13	4	15	13	0	0	0	0	0	2	0	5	-	0	6.27	-	-
BALLYLUMFORD	9 9	24	15.9	8.6	12.3	-	20.8	22	4.8	13	-	-	45	-	11	30	11	10	-	-	-	-	-	-	0	2	-	-	-	-	-
BALLYMONEY	9 9	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALLYPATRICK FOREST ...	9 9	152	13.8	5.6	9.7	-	20.0	22.23	1.2	13	-	-	59	65	12	7	12	11	0	0	0	0	1	0	5	-	0	6.76	-	-
CARNLOUGH	9 9	12	15.7	7.9	11.8	-	21.7	23	2.9	13	-	-	52	-	10	7	10	10	0	-	0	0	0	0	0	0	-	-	-	-	-
DIVIS MOUNTAIN	9 9	363	14.1	6.3	10.2	-	22.0	23	2.4	11	-	-	79	91	21	30	14	13	0	-	0	1	0	0	-	-	-	-	-	-	-
GREENMOUNT	9 9	32	17.0	6.7	11.9	-	24.5	23	0.8	9	14.7	-	44	69	11	30	11	8	0	0	0	0	1	-	0	1	-	-	-	-	-
HYDE PARK (MALLUSK) ...	9 9	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KILROOT POWER STATION	9 9	12	16.2	7.8	12.0	-	21.6	23	3.0	9	-	-	54	-	15	30	13	9	-	0	-	-	-	-	0	1	-	-	-	-	-
LISNAFILLAN	9 9	38	16.1	6.6	11.3	-	24.0	23	0.7	9	-	-	43	58	14	24	12	8	0	0	0	0	0	0	0	4	-	-	6.66	-	-
LOWTOWN	9 9	271	14.4	6.0	10.2	-	21.5	23	2.2	7	11.5	-	85	85	14	30	14	11	0	0	0	0	0	0	0	4	-	0	6.05	-	-
PARKMORE FOREST ...	9 9	235	14.0	5.9	9.9	-	21.0	22	2.1	13	11.8	-	96	81	17	4	15	14	0	0	0	0	0	1	0	9	-	0	-	-	-
WOODBURN NORTH	9 9	217	14.7	6.4	10.5	-	20.5	23	2.5	13	-	-	73	86	17	30	13	11	0	0	0	0	0	0	0	4	-	-	-	-	-
BELFAST																															
ANDERSONSTOWN	9 9	64	16.8	7.7	12.3	-	23.7	23	3.6	9	-	-	59	-	16	30	13	10	0	0	0	0	0	0	0	0	-	-	-	-	-
MALONE	9 9	35	16.8	7.9	12.3	-	23.1	23	2.5	9	13.6	-	56	-	14	30	13	11	-	-	-	-	-	-	0	-	-	-	5.72	-	-
MILLTOWN	9 9	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEWTOWNABBEY	9 9	32	16.3	9.1	12.7	-	23.8	23	5.6	9	15.1	-	50	70	13	30	13	9	0	0	0	1	1	0	0	0	0	0	6.80	-	S
ROSEBANK	9 9	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROSETTA	9 9	24	17.0	8.5	12.7	-	23.0	23	3.5	9	-	-	57	88	17	30	12	10	0	0	0	0	0	0	0	-	-	-	-	-	-
STORMONT CASTLE ...	9 9	56	16.1	8.1	12.1	-	22.3	23	4.5	9	14.4	12.6	57	87	12	6	12	10	0	0	0	0	0	0	0	5	-	-	6.33	-	-
DOWN																															
BANGOR SEACOURT ...	9 9	15	15.8	9.3	12.5	-	22.5	23	5.3	9	14.7	12.9	42	-	8	30	12	10	0	0	0	1	2	0	0	0	0	-	6.56	-	-
BALLYWALTER PARK ...	- -	11	-	-	-	-	-	-	-	-	-	-	37	66	6	6	12	11	-	-	-	-	-	-	-	-	-	-	6.93	-	-
BALLYWATTICOCK	9 9	6	16.2	7.8	12.0	-	22.0	1	3.1	9	-	-	43	81	7	6.30	11	11	0	0	0	1	0	0	0	2	-	0	6.77	-	-
CREIGHTONS GREEN ...	9 9	119	15.5	7.3	11.4	-	22.0	23	2.0	2	-	-	46	68	11	30	10	10	-	-	-	-	-	-	0	-	-	-	-	-	-
DOWNPATRICK	9 9	26	16.7	8.1	12.4	-	21.7	2	3.3	13	-	-	34	-	5	6	12	9	-	-	-	-	-	0	0	1	-	-	-	-	-
HELENS BAY	9 9	43	16.5	8.7	12.6	-	23.9	23	5.0	9	-	-	43	71	9	30	11	9	0	0	0	0	0	0	0	0	-	0	6.98	-	-
HILLSBOROUGH	9 9	116	16.1	7.4	11.7	-1.1	22.5	23	2.7	9	12.8	10.5	53	81	8	30	13	12	0	0	1	0	1	0	0	8	-	0	6.51	111	-
MURLOUGH	9 9	9	16.5	6.5	11.5	-	22.7	2	0.6	21	12.4	11.1	45	-	8	30	13	10	0	0	1	0	0	0	0	7	-	0	6.80	-	-
ARMAGH																															
ARMAGH	9 9	62	17.5	7.5	12.5	-1.2	24.5	23	3.0	9	15.7	13.9	54	79	9	30	14	12	0	0	0	0	0	0	0	0	-	0	5.68	103	-
LOUGHGALL	9 9	25	16.8	6.9	11.9	-	23.6	23	1.9	9	-	-	54	86	11	6	16	13	0	0	0	0	0	0	0	6	-	0	6.07	-	-
LURGAN	9 9	55	17.3	7.7	12.5	-	24.1	23	1.9	9	13.6	11.7	58	100	14	30	14	13	0	-	0	0	0	-	0	3	-	-	6.22	-	-
TANDRAGEE	9 9	43	18.5	6.8	12.7	-	24.9	23	1.0	9	-	-	43	-	9	6	10	9	-	-	-	-	-	-	0	-	-	-	-	-	-
TYRONE																															
ALTAVEEDAN	9 9	175	15.8	6.1	10.9	-	22.8	23	0.4	9	-	-	67	-	16	30	16	13	-	-	-	-	-	-	0	0	-	-	-	-	-
CARRIGANS	21-9	113	17.4	7.4	12.4	-	24.6	23	1.3	9	-	-	60	71	12	24	16	11	0	0	1	1	0	0	0	2	0	0	5.81	-	-
COOKSTOWN	9 9	77	16.8	6.9	11.9	-	23.8	23	0.8	9	13.6	-	39	53	11	30	12	9	0	0	0	0	0	0	0	2	-	-	6.17	-	-
LOUGH BRADAN	9 9	169	15.7	6.7	11.2	-	22.4	23	1.8	9	-	-	93	87	19	30	13	11	-	0	-	-	-	0	0	1	-	-	6.05	-	S
POMEROY FOREST	9 9	174	16.0	6.5	11.3	-	22.5	23	2.5	9	14.8	-	48	65	14	30	12	8	0	0	0	1	0	0	0	3	-	-	-	-	-
STRABANE CONVENT ...	9 9	44	16.7	7.9	12.3	-	25.0	23	3.0	9	-	-	42	60	9	6	14	13	0	0	0	0	0	0	0	0	-	0	6.34	-	-
TIEVENNY	9 9	41	16.8	7.4	12.1	-	23.7	23	2.0	9	-	-	47	-	11	30	12	11	-	-	-	-	-	-	0	0	-	-	-	-	-
FERMANAGH																															
CASTLE ARCHDALE FOREST	9 9	66	16.5	7.5	12.0	-0.9	22.8	22	0.2	9	14.2	12.9	66	78	15	30	14	10	0	0	0	0	0	0	0	2	-	0	5.34	99	-
CORGARY	9 9	156	15.9	7.4	11.7	-	22.3	23	3.0	7.9	-	-	73	-	20	30	11	11	0	-	0	0	0	0	0	1	0	-	-	-	-
KNOCKARAVAN	9 9	53	16.3	7.0	11.7	-	23.7	23	-0.8	9	-	-	57	-	14	30	12	11	0	0	0	0	0	0	0	1	0	-	-	-	-
LISNASKEA	9 9	49	17.0	7.0	12.0	-	23.6	22	1.0	9	-	-	52	73	11	30	12	11	0	-	0	0	0	0	0	1	-	-	5.71	-	-
LOUGH NAVAR FOREST ...	9 9	148	16.9	6.3	11.6	-	23.6	2	-0.5	9	-	-	101	92	29	30	14	12	0	0	1	0	0	0	1	3	-	-	-	-	-
PUBBLE FOREST	9 9	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JUNE 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT								VISIBILITY							WIND SPEED AND DIRECTION															
									OKTAS															BEAUFORT FORCE															
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	8 OR MORE	6-7	4-5	1-3	CALM	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS															SPEED (KT)															
0 SCOTLAND N SHETLAND																																							
FAIR ISLE	61	9	1015.4	-	9.0	0.7	10.5	91	6.7	0	1	4	13	11	1	0	1	0	0	2	0	7	1	6	13	0	2	22	6	0	10	2	4	0	2	2	5	5
		15	1015.5	-	9.8	0.9	10.8	89	5.8	0	6	4	11	6	3	0	2	1	0	2	1	2	3	8	11	0	4	23	3	0	10	3	0	1	3	2	7	4
		21	1015.3	-	8.3	0.6	10.0	92	6.0	1	2	5	12	8	2	0	1	0	1	1	1	3	1	7	15	0	3	17	10	0	13	3	0	2	4	0	3	5
LERWICK	83	3	1015.3	-	7.3	0.6	9.5	92	6.5	0	3	3	9	13	2	0	2	0	0	0	2	4	4	9	9	0	0	10	18	2	10	0	0	0	3	1	7	7
		9	1015.2	+ 2.2	9.2	1.4	9.7	83	6.7	0	1	4	14	10	1	0	1	0	0	1	4	2	10	12	0	2	18	9	1	8	3	1	1	3	2	9	2
		15	1015.1	-	10.0	1.6	10.0	81	6.7	0	1	4	14	11	0	0	0	0	1	0	0	4	1	12	12	0	1	18	11	0	5	9	0	0	4	0	7	5
		21	1015.3	-	8.2	0.9	9.6	88	6.6	0	1	6	10	11	2	0	2	0	0	0	2	3	3	10	10	0	0	15	15	0	12	3	0	0	4	2	5	4
ORKNEY																																							
KIRKWALL	26	3	1016.0	-	7.6	0.5	9.8	93	6.0	0	6	2	10	10	2	0	1	1	1	0	1	1	4	7	14	0	0	8	22	0	8	0	1	2	2	3	7	7
		9	1015.9	+ 2.5	10.2	1.3	10.4	83	6.7	0	0	3	18	9	0	0	0	0	0	1	2	2	2	6	17	0	2	14	14	0	10	4	2	0	2	1	9	2
		15	1015.9	-	11.2	1.7	10.5	79	6.1	0	4	4	11	11	0	0	0	0	0	0	3	2	5	5	15	0	3	18	9	0	8	5	1	2	1	2	6	5
		21	1015.9	-	9.0	0.9	10.1	88	5.8	0	4	6	11	8	1	0	0	1	0	0	1	3	3	8	14	0	1	10	19	0	10	1	0	1	4	0	8	6
WESTERN ISLES																																							
BENBECULA	7	3	1017.4	-	8.6	0.6	10.2	91	4.7	2	9	0	18	1	0	0	0	0	1	1	0	1	2	7	18	0	2	8	19	1	11	5	1	0	3	3	4	2
		9	1017.6	+ 4.1	11.9	1.7	11.1	79	5.1	1	4	9	15	1	0	0	0	0	0	1	1	2	5	21	0	2	22	6	0	6	9	0	0	5	4	3	3
		15	1017.4	-	13.3	2.1	11.6	76	4.9	1	8	5	11	5	0	0	0	0	0	0	2	1	2	5	20	0	3	21	6	0	9	4	0	0	2	6	6	3
		21	1017.3	-	10.4	1.0	11.0	87	4.9	2	7	4	14	3	0	0	0	0	0	0	2	1	2	8	17	0	0	21	9	0	10	4	0	1	0	5	6	4
STORNOWAY	5	3	1017.4	-	8.0	0.6	10.0	92	5.3	0	6	5	12	7	0	0	0	0	0	0	1	2	5	12	10	0	1	9	17	3	7	2	3	0	0	5	4	6
		9	1017.4	+ 4.0	10.9	1.5	10.7	81	6.2	1	1	6	15	7	0	0	0	0	0	0	0	3	4	10	13	0	3	13	14	0	7	8	3	1	4	2	4	1
		15	1017.2	-	11.9	2.0	10.8	77	5.6	0	7	2	14	7	0	0	0	0	0	0	1	2	2	9	16	0	3	23	4	0	5	10	2	0	4	1	5	3
		21	1017.2	-	10.0	1.0	10.7	87	5.1	1	4	9	8	8	0	0	0	0	0	0	0	5	4	7	14	0	1	13	15	1	6	9	2	0	1	2	5	4
HIGHLAND																																							
CAPE WRATH	113	3	1016.9	-	8.7	0.6	10.4	92	6.0	0	4	6	6	13	1	0	1	0	0	0	1	1	3	8	16	0	0	8	21	1	7	3	3	2	2	7	3	2
		9	1016.9	-	9.3	0.7	10.7	91	6.0	1	1	8	12	8	0	0	0	0	0	0	2	5	12	11	0	0	11	19	0	7	4	3	2	1	8	2	3
		15	1016.7	-	10.0	0.8	11.1	90	5.8	1	5	5	6	11	2	0	1	1	0	0	0	2	2	12	12	0	0	13	17	0	7	5	5	1	1	4	5	2
		21	1016.7	-	9.2	0.7	10.7	92	5.8	1	5	4	11	8	1	0	1	0	0	0	0	2	2	15	10	0	1	15	14	0	8	0	8	1	2	3	7	1
DALCROSS	12	9	1017.1	-	11.2	1.9	10.2	77	6.3	0	3	3	15	9	0	0	0	0	0	0	0	3	4	12	11	0	0	11	18	1	8	5	1	0	0	8	4	3
		15	1016.5	-	13.6	2.9	10.8	69	5.8	0	5	5	13	7	0	0	0	0	0	0	0	3	3	12	12	0	1	17	12	0	7	10	2	0	0	4	4	3
WICK	37	3	1016.2	-	7.4	0.6	9.5	92	5.9	1	4	4	11	9	1	0	1	1	0	0	2	5	1	14	6	0	0	8	20	2	10	1	1	1	1	1	7	6
		9	1016.2	+ 2.6	10.5	1.6	10.3	81	6.8	0	1	0	24	5	0	0	0	0	1	1	1	5	3	6	13	0	0	12	18	0	10	6	3	1	2	1	5	2
		15	1016.1	-	11.4	2.0	10.3	76	6.1	0	4	2	18	6	0	0	0	0	0	0	1	3	5	6	15	0	0	3	16	11	0	9	3	2	4	2	0	4	6
		21	1016.3	-	9.0	0.9	10.2	88	5.5	0	7	5	9	9	0	0	0	0	1	0	1	2	5	13	8	0	0	9	21	0	9	1	1	4	2	1	2	10
1 SCOTLAND E GRAMPIAN																																							
DYCE	59	3	1016.2	-	7.9	0.8	9.5	89	6.5	0	4	2	11	13	0	0	0	0	0	0	1	1	5	3	11	9	0	0	7	19	4	4	1	0	1	1	1	4	14
		9	1016.0	+ 1.8	11.7	2.3	10.1	73	6.7	0	2	1	17	10	0	0	0	0	0	0	2	4	4	7	13	0	0	13	17	0	9	0	1	4	1	2	5	8
		15	1015.7	-	13.7	3.2	10.2	66	5.9	1	5	2	10	12	0	0	0	0	0	0	0	4	4	7	15	0	0	15	15	0	10	0	4	3	4	1	2	6
		21	1016.2	-	10.1	1.4	10.2	82	6.3	1	3	2	12	12	0	0	0	0	0	0	2	3	2	14	9	0	0	11	19	0	8	0	2	2	4	2	2	10
FRASERBURGH	22	3	1016.4	-	9.2	1.0	10.1	87	6.5	0	2	4	11	13	0	0	0	0	0	0	0	0	12	18	0	0	2	14	14	0	6	1	0	3	2	4	7	7
		9	1016.5	+ 2.4	10.6	1.4	10.6	83	6.3	0	1	7	13	9	0	0	0	0	0	0	0	0	9	21	0	0	2	17	11	0	4	2	3	0	2	1	8	10
		15	1016.2	-	11.9	2.0	10.7	77	5.4	0	4	9	9	8	0	0	0	0	0	0	0	0	3	27	0	0	1	15	14	0	6	3	2	3	1	1	6	8
		21	1016.5	-	10.1	1.5	10.1	81	6.3	0	1	5	14	10	0	0	0	0	0	0	1	9	20	0	0	0	3	14	13	0	9	2	1	3	2	1	6	6
KINLOSS	6	3	1016.8	-	8.6	0.9	9.9	89	6.4	0	3	3	16	8	0	0	0	0	0	2	1	2	8	6	11	0	0	7	21	2	5	1	0	1	1	12	3	5
		9	1016.8	+ 2.9	11.4	1.7	10.7	80	6.1	0	5	2	14	9	0	0	0	0	0	1	4	5	8	12	0	0	13	17	0	12	3	1	0	0	2	9	3
		15	1016.3	-	13.7	2.8	11.0	71	5.4	0	6	5	15	4	0	0	0	0	0	0	1	3	9	17	0	1	14	15	0	12	7	2	0	0	1	4	4
		21	1016.7	-	10.6	1.4	10.7	83	5.9	0	5	2	17	6	0	0	0	0	0	0	0	5	2	7	16	0	1	9	20	0	6	6	4	1	1	5	4	3
LOSSIEMOUTH	6	3	1016.5	-	8.5	1.0	9.6	87	6.4	0	4	1	16	9	0	0	0	1	2	0	2	3	7	3	12	0	0	8	17	5	7	0	0	0	0	8	6	4
		9	1016.6	-	11.3	2.0	10.2	77	6.4	0	4	1	18	7	0	0	0	0	0	0	0	4	4	10	12	0	1	11	17	1	9	3	2	0	0	3	9	3
		15	1016.2	-	13.0	2.8	10.3	68	5.4	0	7	3	17	3	0	0	0	0	0	0	0	1	4	9	16	0	0	13	17	0	6	5	8	0	0	1	4	6
		21	1016.4	-	10.7	1.6	10.3	80	6.0	0	5	1	16	8	0	0	0	0	0	0	0	6	3	5	16	0	0	14	16	0	9	3	4	0	0	4	6	4
TAYSIDE																																							
USAN	35	9	1016.7	-	11.5	1.8	10.6	78	6.1	0	1	9	13	7	0	0	0	0	0	1	2	2	2	5	18	0	3	12	13	2	11	1	1	2	5	4	3	1
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FIFE																																							
LEUCHARS	12	3	1016.3	-	8.6	1.0	9.7	87	6.3	0	3	3	15	9	0	0	0	1	0	0	1	5	5	11	7	0	0	4	22	4	4	5	2	0	0	8	6	1
		9	1016.4	+ 2.0	12.2	2.6	10.0	71	6.0	0	4	5	13	8	0	0	0	0	0	1	0	3	6	6	14	0	0	8	21	1	4	4	5	2	1	2	9	2
		15	1015.7	-	13.8	3.4	9.9	64	5.9	0	4	3	19	4	0	0	0	0	0	0	1	1	5	11	12	0	2	19	9	0	1	6	12	1	2	2	5	1
		21	1016.2	-	10.8	1.6	10.4	80	5.7	0	4	6	16	4	0	0	0	0	0	0	1	1	7	11	10	0	0	10	15	5	3	6	8	0	0	6	2	0
LOTHIAN																																							
TURNHOUSE	44	3	1016.4	-	9.1	0.9	10.1	87	6.9	0	2	1	17	9	1	0	1	0	1	1	0	4	12	10	1	0	0	6	21	3	1	4	3	3	0	4	11	1
		9	1016.6	+ 1.8	12.1	2.1	10.7	75	6.3	1	1	4	17	7	0	0	0	0	0	1	1	5	6	9	8	0	0	10	19	1	3	7	7	3	0	2	6	1
		15	1015.7	-	15.4	4.2	10.1	59	5.3	0	7	4	15	4	0	0	0	0	0	0	0	3	2	8	17	0	1	18	11	0	0	11	5	0	1	1	11	1
		21	1016.3	-	11.3	1.6	10.7	80	6.1	0	4	3	18	5	0	0	0	0	0	1	0	2	9	11	7	0	0	13	15	2	1	9	7	1	0	4	6	0
6 SCOTLAND W STRATHCLYDE																																							
ABBOTSINCH	9	3	1016.5	-	8.8	1.1	9.7	85	5.5	0	7	2	16	5	0	0	0	0	1	0	1	2	11	9	6	0	0	2	27	1	2	8	5	0	0	6	8	0
		9	1016.5	+ 1.7	12.8	2.7	10.3	70	5.8	1	3	4	15	7	0	0	0	0	0	0	0	5	6	8	11	0	0	7	23	0	1	7	4	7	0	1	9	2
		15	1015.6	-	16.3	4.8	9.8	54	5.1	0	7	4	16	3	0	0	0	0	0	0	1	2	16	11	0	0	0	17	13	0	1	5	5	1	1	3	10	4
		21	1016.1	-	12.3	2.6	10.1	71	5.9	1	3	3	19	4	0	0	0	0	0	0	0	4	4	14	8	0	0	4	25	1	2	5	6	1	0	6	8	1
GLASGOW WEATHER CENTRE	17 (X)	3	1016.6	-	-	-	-	-	5.8	0	6	2	16	6	0	0	0	0	0	0	0	3	8	17	2	0	0	0	29	1	2	7	5	0	4	7	4	0
		9	1016.7	-	12.7	3.1	9.5	65	5.9	2	2	3	19	4	0	0	0	0	0	0	0	5	9	8	8	0	0	2	27	1	5	4	6	0	0	5	9	0
		15	1015.8	-	16.3	5.2	9.2	50	5.3	0	6	3	18	3	0	0	0	0	0	0	0	2	5	10	13	0	0	7	22	1	3	6	3	1	3	5	8	0
		21	1016.4	-	13.1	3.2	9.8	65	5.8	1	4	4	15	6	0	0	0	0	0	0	0	3	7	15	5	0	0	0	30	0	4	6	4	2	3	5	6	0
MACHRIHANISH	14	3	1016.6	-	8.9	0.8	10.3	90	5.7	2	2	6	12	8	0	0	0	1	0	0	1	3	9	10	6	0	1	5	22	2	2	0	8	5	0	1	6	6
		9	1016.8	-	11.9	1.6	11.4	81	5.5	2	1	10	12	5	0	0	0	1	0	0	3	9	8	9	0	0	1	12	17	0	4	0	3	1	1	1	12	8
		15	1016.5	-	13.5	2.6	11.1	72	4.9	1	7	6	11	5	0	0	0	0	0	0	3	5	12	10	0	0	0	22	8	0	2	2	2	3	0	0	17	4
		21	1016.5	-	11.4	1.5	11.1	82	5.3	0	9	2	12	7	0	0	0	0	0	1	4	4	12	9	0	1	7	22	0	4	2	5	1	0	4	7	7
PRESTWICK	21	3	1016.7	-	8.6	0.8	10.1	90	5.5	0	7	2	16	5	0	0	0	0	1	0	1	4	7	11	3	0	0	6	18	6	1	7	3	4	0	1	3	5
		9	1016.8	+ 2.0	12.5	2.4	10.6	73	5.6	2	1	8	13	6	0	0	0	0	0	0	0	2	10	7	11	0	0	12	17	0	2	4	5	0	2	0	8	8
		15	1016.3	-	14.8	3.5	10.7	63	5.0	1	7	3	16	3	0	0	0	0	0	0	0	0	10	6	14	0	0	2	18	10	0	0	5	3	1	1	0	16	4
		21	1016.5	-	11.8	1.8	11.0	79	5.2	2	5	4	16	3	0	0	0	0	0	0	0	3	6	11	10	0	0	7	21	2	1	4	5	0	1	1	5	3	9
RHUVAAL	19	3	1017.2	-	9.8	1.1	10.4	86	5.1	1	9	0	12	7	1	0	0	0	1	0	1	0	3	6	19	0	0	7	21	2	3	3	1	1	6	3	0	4	7
		9	1017.5	-	11.6	1.9	10.6	77	5.2	2	5	4	13	6	0	0	0	0	0	0	1	0	4	5	20	0	2	6	18	4	6	7	2	0	2	0	4	5
		15	1017.4	-	12.9	2.3	11.0	74	4.9	2	7	4	10	7	0	0	0	0	0	0	1	0	2	6	21	0	0	9	20	1	3	5	1	1	2	1	8	8
		21	1017.1	-	11.5	1.6	11.0	81	4.6	3	7	5	8	7	0	0	0	0	0	0	1	2	2	6	19	0	1	6	22	1	5	1	1	1	4	2	10	5

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JUNE 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: DEPRESSION OF WET BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: VAPOUR PRESSURE (MB)	MEAN TEMPERATURE AND HUMIDITY: RELATIVE HUMIDITY (%)	CLOUD AMOUNT: OKTAS: MEAN	CLOUD AMOUNT: NUMBER OF OBSERVATIONS: 0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: NUMBER OF OBSERVATIONS: 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE: 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT): 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
6 SCOTLAND W-CONTD.																																										
STRATHCLYDE -CONTD.																																										
SLOY	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	12.6	2.9	9.8	68	5.4	1	5	5	12	7	0	0	0	0	0	0	0	0	0	6	23	1	0	0	2	24	4	1	2	1	5	2	3	1	11
		15	-	-	16.0	4.4	10.4	58	5.1	1	4	8	12	5	0	0	0	0	0	0	0	0	3	27	0	0	0	0	4	24	2	2	3	0	8	3	1	2	8	6
		21	-	-	12.5	2.6	10.3	71	5.2	2	3	8	11	6	0	0	0	0	0	0	0	0	2	28	0	0	0	0	5	21	4	1	0	3	3	0	2	8	9	9
TIREE	10	3	1017.2	-	8.8	0.5	10.5	93	4.6	1	10	2	15	2	0	0	0	0	0	3	1	0	2	1	6	17	0	1	13	14	2	10	2	5	3	1	0	2	7	5
		9	1017.5	+ 3.4	12.0	1.6	11.4	81	5.3	1	4	7	17	1	0	0	0	0	0	0	0	1	2	2	6	19	0	2	18	10	0	10	5	1	4	2	3	1	4	5
		15	1017.3	-	13.1	2.0	11.8	78	4.6	1	10	4	9	6	0	0	0	0	0	0	0	0	3	3	7	17	0	3	19	7	1	12	1	0	2	3	0	1	8	5
		21	1017.0	-	10.7	1.0	11.3	88	4.5	1	9	6	10	4	0	0	0	0	0	0	1	0	3	5	1	18	0	2	13	15	0	12	3	1	0	0	1	8	5	
DUMFRIES & GALLOWAY																																										
ESKDALEMUIR	237	3	1016.7	-	6.4	0.7	8.8	90	5.8	2	4	4	6	14	0	0	0	0	0	1	0	1	6	11	6	5	0	0	5	15	10	12	1	0	2	5	1	1	4	2
		9	1016.3	+ 1.4	11.4	2.8	9.5	71	5.6	2	5	2	12	9	0	0	0	0	0	0	0	0	3	6	13	8	0	0	9	20	1	6	6	1	5	0	3	1	2	2
		15	1015.3	-	14.6	4.5	9.5	59	5.4	1	5	6	12	6	0	0	0	0	0	0	0	0	0	4	9	16	0	0	18	12	0	10	4	1	0	2	3	1	4	1
		21	1016.3	-	9.9	1.9	9.5	78	5.6	0	5	6	9	10	0	0	0	0	0	0	0	0	2	5	13	10	0	2	6	17	5	11	3	1	0	2	3	4	2	1
2 ENGLAND E & NE																																										
NORTHUMBERLAND																																										
BOULMER	27	3	1015.8	-	8.3	0.5	10.3	93	6.4	1	3	4	8	14	0	0	0	0	0	0	1	3	5	9	10	2	0	0	5	24	1	11	0	0	1	2	5	4	6	
		9	1016.1	-	11.2	1.5	10.9	82	5.8	1	4	6	8	11	0	0	0	0	0	0	0	1	4	10	11	0	0	0	15	15	0	13	1	4	3	0	1	2	3	0
		15	1015.8	-	12.2	1.8	11.3	80	5.8	0	5	6	12	7	0	0	0	0	0	0	0	1	5	7	12	5	0	0	13	17	0	11	2	3	10	1	0	3	5	7
		21	1015.9	-	10.2	1.1	10.8	87	5.9	1	4	5	7	13	0	0	0	0	0	0	0	1	5	7	12	5	0	1	8	20	1	10	0	1	1	3	5	7	2	
SEAHOUSES	12	3	1015.7	-	-	-	-	-	6.4	1	3	2	11	13	0	0	0	0	0	0	0	1	13	5	11	0	0	3	6	18	3	13	1	0	0	2	4	5	2	
		9	1016.0	-	-	-	-	-	5.7	2	2	7	11	8	0	0	0	1	0	0	0	1	2	6	4	16	2	3	0	2	13	13	2	15	3	1	2	2	1	2
		15	1015.7	-	-	-	-	-	5.6	0	5	5	11	9	0	0	0	0	0	0	0	1	2	6	2	16	3	0	1	15	13	1	10	3	2	1	5	2	2	0
		21	1015.7	-	-	-	-	-	5.8	1	4	5	12	8	0	0	0	0	0	1	1	4	8	16	0	0	2	10	18	0	11	2	1	3	4	2	7	0		
TYNE & WEAR																																										
NEWCASTLE	72	3	1016.2	-	9.2	1.0	10.2	87	6.4	1	4	1	8	15	1	0	0	1	0	0	0	0	4	8	6	8	3	0	0	3	25	2	10	2	0	2	1	6	2	1
WEATHER CENTRE	(X)	9	1016.4	-	12.2	2.5	10.1	71	5.5	2	4	4	5	6	13	0	0	0	0	0	0	0	1	4	11	6	9	0	0	7	20	0	6	5	2	1	2	5	4	6
		15	1015.9	-	14.1	3.4	10.3	65	5.6	1	4	4	16	5	0	0	0	0	0	0	0	0	1	3	7	15	4	0	0	11	19	0	2	10	9	2	0	2	3	6
		21	1016.2	-	11.6	2.1	10.4	76	5.7	1	4	5	9	11	0	0	0	0	0	0	0	0	1	11	7	8	4	0	0	4	24	2	7	4	4	0	2	3	6	2
TYNEMOUTH	40	3	1016.4	-	9.6	0.9	10.5	88	5.9	1	3	6	9	11	0	0	0	0	0	0	0	0	0	3	19	8	0	1	3	9	16	1	14	0	0	1	3	5	6	0
		9	1016.7	+ 1.2	11.5	1.9	10.5	77	6.0	2	3	4	8	13	0	0	0	0	0	0	0	0	0	3	21	6	0	0	3	11	13	1	14	3	1	1	1	3	3	0
		15	1016.4	-	11.9	1.8	11.1	79	5.8	1	2	8	9	10	0	0	0	0	0	0	0	1	5	11	13	0	0	3	16	11	0	11	2	6	6	1	3	0	4	0
		21	1016.4	-	11.4	1.8	10.5	79	5.7	1	5	5	8	11	0	0	0	0	0	0	0	0	6	17	7	0	0	2	11	15	2	11	1	0	2	3	0	11	0	
NORTH YORKSHIRE																																										
LEEMING	33	3	1016.2	-	8.8	0.9	10.1	88	6.5	1	3	1	10	15	0	0	0	0	0	0	0	1	11	7	6	5	0	0	9	21	0	14	0	0	5	6	1	1	3	
		9	1016.4	+ 0.6	12.0	2.2	10.5	75	6.1	1	2	5	12	10	0	0	0	0	0	0	2	1	5	8	5	9	0	0	2	14	13	1	13	1	3	3	1	3	4	1
		15	1015.7	-	15.1	3.6	10.8	64	6.0	2	2	3	14	9	0	0	0	0	0	0	0	2	4	5	14	5	0	0	2	16	12	0	9	8	0	1	2	3	5	2
		21	1016.2	-	11.6	1.8	10.7	78	5.5	0	8	2	7	13	0	0	0	0	0	1	0	0	5	7	10	7	0	0	7	23	0	16	1	0	1	2	3	5	2	
WHITBY C.G.	66	3	1015.9	-	8.9	0.7	10.5	91	6.3	0	4	4	6	16	0	0	0	0	0	0	0	2	8	7	7	6	0	0	2	12	14	2	8	2	0	0	0	7	5	2
		9	1016.3	-	11.4	1.5	11.1	82	6.5	1	1	3	12	13	0	0	0	0	0	0	0	0	3	5	5	12	5	0	0	2	12	13	3	8	4	0	0	2	5	2
		15	1016.1	-	11.9	1.4	11.7	84	6.3	0	1	0	8	13	0	0	0	0	0	1	0	0	3	4	7	14	1	0	2	9	12	7	3	10	3	4	0	5	2	0
		21	1016.1	-	11.0	1.3	11.2	85	6.3	0	5	3	7	15	0	0	0	0	0	1	2	4	7	13	3	0	1	9	16	4	5	5	0	2	4	5	2	3		
HUMBERSIDE																																										
SPURN POINT	20	3	1015.8	-	10.3	1.2	10.7	85	6.0	0	5	5	5	14	1	0	0	0	0	2	0	0	1	4	13	11	0	0	1	16	11	2	11	1	0	1	3	4	4	4
		9	1016.2	-	11.9	1.7	11.1	80	6.2	0	2	7	13	11	0	0	0	0	0	0	0	2	3	11	9	9	0	0	3	13	11	3	12	3	1	2	4	4	3	
		15	1016.0	-	13.1	2.2	11.5	75	6.3	0	3	4	13	10	0	0	0	0	0	0	0	2	3	6	12	10	0	0	4	14	11	1	12	4	0	1	2	1	4	3
		21	1016.1	-	11.5	1.6	11.0	81	5.8	1	3	6	9	9	2	0	0	3	0	0	0	2	3	12	10	0	0	0	2	13	13	2	12	3	0	2	3	4	4	0
LINCOLNSHIRE																																										
BINBROOK	112	3	1015.9	-	8.5	0.5	10.4	92	6.5	1	2	4	7	16	0	0	0	1	1	0	0	3	2	1	10	3	7	7	0	0	0	1	11	19	0	0	1	8	4	0
		9	1016.1	-	11.7	1.6	11.1	81	6.4	0	3	5	9	13	0	0	0	0	0	0	0	2	1	3	8	16	4	0	0	1	16	13	0	11	5	1	0	2	4	3
		15	1015.7	-	13.5	2.2	11.7	76	6.3	0	3	3	14	10	0	0	0	0	0	0	0	1	1	4	5	16	4	0	0	1	20	9	0	10	7	3	1	2	0	5
		21	1016.1	-	10.2	1.1	10.8	86	6.2	0	4	5	8	13	0	0	0	1	1	0	0	2	5	7	14	0	0	0	0	13	17	0	7	7	2	1	3	5	4	1
WADDINGTON	70	3	1015.7	-	9.0	0.7	10.4	90	6.1	1	4	4	7	14	0	0	0	0	0	0	2	3	8	10	6	1	0	0	5	25	0	12	2	0	1	2	3	7	3	4
		9	1016.0	- 0.4	12.4	1.9	11.3	78	5.9	1	3	7	6	13	0	0	0	0	0	0	0	1	6	4	14	5	0	0	0	12	18	0	11	3	1	1	2	4	3	1
		15	1015.4	-	14.7	2.9	11.5	70	5.8	1	3	6	12	8	0	0	0	0	0	0	0	1	5	3	14	7	0	0	0	16	14	0	8	8	1	2	1	3	6	1
		21	1015.9	-	11.2	1.6	10.8	81	5.9	1	5	3	9	12	0	0	0	0	0	1	0	5	5	6	17	1	0	0	7	23	0	11	3	1	3	1	5	5	1	
3 EAST ANGLIA																																										
NORFOLK																																										
COLTISHALL	17	3	1015.1	-	10.2	0.8	11.2	90	6.4	1	2	5	7	15	0	0	0	2	1	1	1	4	5	7	3	9	0	0	0	5	22	3	12	1	1	0	3	6	2	3
		9	1015.3	-	13.4	2.1	11.8	76	6.9	0	0	4	15	11	0	0	0	0	0	1	1	0	5	3	15	4	0	0	0	14	16	0	10	4	2	0	3	4	3	2
		15	1015.1	-	14.6	2.5	12.2	73	7.0	0	1	1	17	11	0	0	0	0	0	1	0	1	6	3	12	4	0	0	0	16	14	0	12	4	3	0	4	3	2	1
		21	1015.3	-	11.8	1.2	11.9	86	6.6	0	4	0	13	13	0	0	1	0	0	0	0	3	8	5	10	3	0	0	0	4	26	0	11	4	0	4	3	7	0	1
MARHAM	24	3	1015.5	-	9.3	0.4	11.2	95	6.0	1	4	4	6	15	0	0	0	0	0	1	0	1	7	4	5	13	0	0	0	4	26	0	11	4	0	4	4	4	2	1
		9	1015.8	- 0.8	12.9	1.4	12.5	84	6.7	0	4	3	1	12	14	0	0	0	0	0	1	0	2	5	5	11	7	0	0	0	18	12	0	11	6	1	0	3	6	3	2
		15	1015.3	-	15.1	2.2	13.2	77	6.3	0	4	3	15	8	0	0	0	0	0	1	0	2	3	9	10	7	0	0	0	19	11	0	9	7	2	0	2	3	5	2
		21	1015.7	-	11.8	0.9	12.3	89	6.6	0	2	4	13	11	0	0	0	0	0	1	0	2	7	6	11	3	0	0	0	8	22	0	7	9	1	1	3	6	1	2
CAMBRIDGESHIRE																																										
WITTERING	76	3	1016.0	-	8.8	0.7	10.4	91	5.9	0	6	5	5	13	1	0	0	1	1	1	1	2	2	7	8	9	0	0	0	9	21	0	13	1	2	0	2	4	7	1
		9	1016.2	- 0.5	12.3	1.8	11.4	80	6.3	0	3	5	10	12	0	0	0	0	0	0	1	2	4	6	10	7	0	0	0	21	9	0	8	5	2	0	1	2	4	4
		15	1015.6	-	15.0	3.0	11.7	70	6.6	0	2	4	13	11	0	0	0	0	0	0	0	2	6	5	12	7	0	0	1	21	8	0	7	9	0	0	3	5	5	2
		21	1016.1	-	11.4	1.5	11.1	82	6.0	0	5	4	9	12	0	0	0	0	0	0	1	2	7	3	15	2	0	0	0	10	20	0	6	8	1	1	2	5	5	2
WYTON	43	3	1015.9	-	9.0	0.6	10.6	91	5.9	0	7	2	10	11	0	0	0	0	0	1	2	1	4	7	7	9	0	0	0	4	26	0	15	0	1	2	6	6	0	5
		9	1016.2	-	12.7	1.8	11.7	79	6.7	1	2	1	12	14	0	0	0	0	0	0	2	1	4	6	11	6	0	0	0	14	16	0	7	6	0	0	4	5	3	5
		15	1015.6	-	15.3	2.9	12.2	71	6.8	0	2	1	18	9	0	0	0	0	0	0	0	2	1	3	7	11	7	0	0	0	16	13	1	7	8	1	0	2	5	5	1
		21	1016.0	-	11.6	1.4	11.5	83	6.1	0	4	6	9	11	0	0	0	0	0	3	1	7	4	12	3	0	0	0	7	22	1	12	4	1	0	2	5	4	1	
SUFFOLK																																										
ALDEBURGH	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1015.9	-	-	-	-	-	6.8	1	0	3	12	14	0	0	0	0	0	0	0	3	7	20	0	0	0	0	0	9	19	2	8	3	1	2	3	5	3	3
HONINGTON	51	3	1015.5	-	9.3	0.8	10.5	89	5.9	0	6	2	10	12	0	0	0	0	0	3	4	6	5	12	0	0	0	0	4	25	1	9	0	0	2	4	7	2	5	
		9	1015.7	-	13.0	2.1	11.3	76	6.7	0	3	2	10	15	0	0	0	0	0	1	0	4	6	5	12	8	0	0	0	12	18	0	10	2	3	1	2	6	4	3
		15	1015.2	-	15.6	3.4	11.7	67	6.6	0	1	4	17	8	0	0	0	0	0	0	1	1	4	6	11	8	0	0	0	15	15	0	11	3	2	0	4	5	3	2
		21	1015.6	-	11.7	1.6	11.1	81	6.0	0	5	3	12	10	0	0	0	0	0	1	0	1	9	7	10	2	0	0	0	5	25	0	10	3	1	1	5	6	2	2
WATTISHAM	91	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1015.5	-	12.7	1.6	12.1	82	6.6	0	1	6	9	13	1	0	0	0	2	0	1	6	13	6	2	0	0	19	11	0	10	3	3	0	1	5	4	4		
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BEDFORDSHIRE																																									
CARDINGTON	30	3	1016.2	-	8.4	0.2	10.8	97	6.0	0	5	5	5	15	0	0	0	0	0	0	0	1	5	2	11	11	3	7	0	1	0	0	2	28	0	8	3	6	1	1
		9	1016.4	- 0.6	12.8	1.4	12.4	84	6.9	0	1	2	11	14	0	0	0	0	0	0	0	2	1	5	14	7	1	0	0	0	9	21	0	3	2	12	1	2	2	2
		15	1015.7	-	15.5	2.6	12.9	74	6.8	0	1	2	16	11	0	0	0	0	0	0	0	1	5	5	12	7	0	0	0	0	13	17	0	2	2	10	3	2	6	3
		21	1016.2	-	11.3	0.9	12.0	89	5.7	0	5	5	10	10	0	0	0	0	0	0	0	3	8	13	6	0	0	0	0	7	23	0	2	1	3	0	2	2	7	3

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JUNE 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT							VISIBILITY							WIND SPEED AND DIRECTION								
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS															BEAUFORT FORCE								
									MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	8 OR MORE	6-7	4-5	1-3	CALM	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																	SPEED (KT)								
																										34 OR MORE	22-33	11-21	1-10	0							
3 EAST ANGLIA -CONTD.																																					
ESSEX																																					
SHOEBURYNESS	5	9	1015.7	- 1.5	13.7	1.8	12.5	80	6.4	0	2	5	13	10	0	0	0	0	0	0	4	4	5	9	8	0	0	10	20	0	10	5	2	0	3	4	3	3
		15	1015.2	-	15.9	2.8	13.0	72	6.5	0	1	5	17	7	0	0	0	0	0	0	1	5	5	10	9	0	1	16	13	0	8	2	5	1	2	4	3	5
		21	1015.6	-	12.9	1.3	12.6	85	6.0	0	5	3	12	10	0	0	0	0	0	1	0	7	4	15	3	0	0	6	24	0	7	5	3	2	3	6	1	3
STANSTED	102	3	1015.7	-	8.9	0.5	10.8	94	5.7	1	6	3	7	13	0	0	0	1	0	2	5	6	11	5	0	0	0	2	26	2	11	1	1	3	0	7	2	3
		9	1015.8	- 1.2	12.5	1.6	11.8	81	6.4	0	1	6	9	14	0	0	0	0	1	1	1	5	4	14	4	0	0	12	17	1	8	5	1	1	2	5	3	4
		15	1015.2	-	15.2	2.5	12.8	75	6.3	0	3	2	17	8	0	0	0	0	0	0	2	2	6	9	11	0	0	13	17	0	9	7	1	1	2	4	2	4
		21	1015.7	-	11.6	1.1	11.8	87	5.4	0	7	5	10	8	0	0	0	0	0	0	3	7	4	15	1	0	0	5	24	1	8	5	0	2	2	6	3	3
4 MIDLAND COUNTIES																																					
WEST YORKSHIRE																																					
HUDDERSFIELD	235	3	1016.1	-	7.6	1.1	8.8	84	6.5	1	1	5	5	18	0	0	1	0	0	2	4	12	8	3	0	0	0	11	17	2	3	7	5	0	2	4	5	2
OAKES		9	1016.5	-	11.2	1.7	10.6	80	6.1	2	3	4	4	17	0	0	1	0	0	0	2	13	8	6	0	0	0	12	18	0	5	6	3	1	2	2	8	3
		15	1016.0	-	14.8	3.1	11.3	69	5.8	3	1	7	9	10	0	0	0	0	0	0	1	4	7	18	0	0	0	14	16	0	9	4	4	0	2	3	8	0
		21	1016.3	-	10.6	1.3	10.7	84	5.6	4	2	6	3	15	0	0	0	0	0	0	1	4	13	9	3	0	0	10	19	1	1	7	5	2	1	2	9	2
WILSDEN	267	3	1016.6	-	7.6	0.8	9.4	89	5.4	3	5	4	2	16	0	0	0	0	0	0	0	8	20	2	0	0	0	7	18	5	7	5	0	0	1	3	9	0
		9	1016.5	-	10.5	1.8	10.0	79	6.1	2	2	5	4	16	1	0	0	0	2	1	1	4	17	5	0	0	0	13	17	0	7	8	2	1	1	3	5	3
		15	1015.7	-	13.5	3.1	10.1	67	5.9	2	2	6	9	11	0	0	0	0	0	0	1	6	11	12	0	0	0	1	16	13	0	4	7	4	1	0	0	13	1
		21	1016.2	-	10.0	1.3	10.2	83	5.6	2	4	6	3	15	0	0	0	0	0	1	1	7	14	7	0	0	0	0	7	23	0	1	10	1	3	1	3	9	2
SOUTH YORKSHIRE																																					
FINNINGLEY	15	3	1015.8	-	9.0	0.8	10.4	89	6.0	0	6	3	5	16	0	0	0	0	0	0	3	11	8	5	3	0	0	3	27	0	10	1	1	1	4	4	4	5
		9	1016.1	- 0.1	12.8	2.3	11.0	74	6.1	1	3	3	12	11	0	0	0	0	0	0	1	5	6	14	4	0	0	8	22	0	11	2	2	2	2	5	4
		15	1015.4	-	15.7	3.5	11.5	66	6.0	0	4	4	13	9	0	0	0	0	0	0	1	3	5	9	12	0	0	11	19	0	11	3	4	2	1	4	4	1
		21	1015.9	-	11.7	1.9	10.7	78	5.9	0	7	3	5	15	0	0	0	0	0	0	1	5	7	12	5	0	0	7	23	0	8	4	2	3	1	3	8	1
NOTTINGHAMSHIRE																																					
WATNALL	119	3	1016.1	-	8.6	0.7	10.2	90	5.7	2	6	1	7	14	0	0	0	0	0	1	3	10	10	6	0	0	0	4	26	0	11	4	2	1	1	6	4	1
		9	1016.3	0.0	12.1	2.0	10.8	76	6.4	2	1	4	10	13	0	0	0	0	0	1	1	9	6	12	1	0	0	8	22	0	8	7	1	1	2	5	4	2
		15	1015.4	-	15.6	3.7	11.0	63	5.8	0	4	7	10	9	0	0	0	0	0	0	1	4	6	17	2	0	0	16	14	0	5	8	1	1	2	5	5	3
		21	1016.2	-	11.5	2.0	10.4	77	5.8	1	4	5	9	11	0	0	0	0	0	0	2	6	12	10	0	0	0	3	27	0	7	9	1	0	2	6	5	0
SALOP																																					
SHAWBURY	76	3	1016.3	-	8.6	0.6	10.4	91	5.6	3	3	5	6	13	0	0	0	0	1	0	0	5	11	7	6	0	0	0	2	25	3	6	3	3	1	2	6	4	2
		9	1016.5	0.0	12.3	1.8	11.3	79	6.3	1	1	7	9	12	0	0	0	0	0	0	2	7	14	5	2	0	0	0	9	21	0	7	4	4	3	2	2	2	6
		15	1015.7	-	15.5	3.4	11.4	66	5.6	2	1	9	11	7	0	0	0	0	0	0	0	8	9	8	5	0	1	9	20	0	10	5	5	0	1	0	6	3
		21	1016.3	-	11.6	1.5	11.2	82	5.7	2	4	6	5	13	0	0	0	0	0	0	2	10	9	6	3	0	0	4	26	0	8	3	7	0	1	4	4	3
WEST MIDLANDS																																					
EDGBASTON	165	9	1016.5	- 0.3	11.3	2.0	10.2	76	6.5	1	1	3	14	11	0	0	0	0	0	2	1	8	14	5	0	0	0	6	24	0	6	8	1	1	3	3	3	5
		15	1015.6	-	14.8	3.9	10.0	61	6.5	0	3	2	17	8	0	0	0	0	0	1	0	7	11	9	2	0	0	9	20	1	8	5	2	3	0	3	4	4
		21	1016.3	-	12.4	2.7	10.0	70	6.0	2	3	3	12	10	0	0	0	0	0	0	3	8	9	9	1	0	0	4	26	0	6	5	6	0	2	4	2	5
ELMDON	100	3	1016.4	-	8.5	0.8	10.0	89	5.8	2	4	4	9	11	0	0	0	0	1	0	4	7	11	6	1	0	0	4	21	5	5	5	2	0	3	5	2	3
		9	1016.5	- 0.2	11.9	1.8	11.0	78	6.4	1	2	3	12	12	0	0	0	0	0	0	0	8	17	3	2	0	0	0	13	17	0	2	10	1	2	1	6	1	7
		15	1015.6	-	15.1	3.6	10.8	65	6.2	0	3	4	14	9	0	0	0	0	0	0	1	5	12	8	4	0	0	0	13	17	0	6	6	3	2	0	4	4	5
		21	1016.3	-	11.9	1.9	10.7	77	5.6	1	4	7	7	11	0	0	0	0	0	1	1	7	9	8	4	0	0	0	2	27	1	5	9	2	1	2	3	2	5
HEREFORD & WORCESTER																																					
PERSHORE																																					
					REPORTS TERMINATED																																	
GLOUCESTER																																					
INNSWORTH	24	3	1016.2	-	9.2	0.6	10.8	92	5.2	3	6	3	7	11	0	0	1	0	0	0	2	11	7	7	2	0	0	0	26	4	10	4	1	0	6	3	1	1
		9	1016.5	-	12.3	1.5	11.7	82	7.0	0	1	2	13	14	0	0	0	0	0	1	2	10	9	3	5	0	0	5	25	0	9	8	0	2	3	4	2	1
		15	1015.7	-	15.5	3.1	12.1	70	6.7	0	1	4	15	10	0	0	0	0	0	2	7	9	8	4	0	0	0	8	22	0	5	9	3	1	4	5	2	1
		21	1016.2	-	12.7	1.7	11.9	81	5.7	1	5	4	10	10	0	0	0	0	0	1	1	11	4	10	3	0	0	3	25	2	9	4	3	1	4	5	2	0
OXFORDSHIRE																																					
BENSON	74	3	1016.2	-	9.0	0.7	10.5	90	5.8	1	5	4	8	12	0	0	0	0	0	1	2	8	9	7	3	0	0	3	22	5	11	1	1	1	3	6	0	2
		9	1016.2	-	12.6	1.9	11.4	78	6.9	0	2	1	13	14	0	0	0	0	0	0	2	5	12	5	6	0	0	17	13	0	12	3	0	1	4	4	2	4
		15	1015.6	-	15.2	3.1	11.8	69	6.7	0	1	5	12	12	0	0	0	0	0	0	1	6	8	9	6	0	0	11	19	0	9	5	1	1	4	5	1	4
		21	1016.1	-	12.2	1.7	11.5	80	5.6	0	8	3	8	11	0	0	0	0	0	1	1	5	10	6	7	0	0	3	21	6	9	6	0	1	2	4	1	1
BRIZE NORTON	92	3	1016.4	-	8.7	0.8	10.2	89	6.0	0	4	6	7	13	0	0	0	0	0	0	5	10	6	8	1	0	0	3	25	2	5	10	1	0	2	5	5	0
		9	1016.5	-	12.1	1.9	11.1	78	6.9	0	1	3	13	13	0	0	0	0	0	0	2	6	9	9	4	0	0	14	16	0	6	10	0	1	3	6	3	1
		15	1015.8	-	14.9	3.3	11.1	67	6.5	0	2	4	11	13	0	0	0	0	0	0	1	4	8	12	5	0	0	15	15	0	6	9	3	0	1	7	3	1
		21	1016.4	-	12.1	1.8	11.3	80	5.7	2	2	7	10	9	0	0	0	0	0	0	2	6	10	10	2	0	0	6	23	1	8	5	3	0	2	6	3	2
5 ENGLAND SE & CENT. S.																																					
GREATER LONDON																																					
HEATHROW	26	3	1016.0	-	10.2	0.9	11.0	88	5.6	0	5	7	6	12	0	0	0	0	0	1	4	5	10	10	0	0	0	1	28	1	10	2	2	1	3	6	1	4
		9	1016.2	- 1.0	13.3	2.2	11.5	75	6.1	0	3	6	9	12	0	0	0	0	0	0	1	8	8	10	3	0	0	10	20	0	7	8	2	1	2	4	5	1
		15	1015.5	-	16.3	3.6	11.9	65	6.2	1	2	5	11	11	0	0	0	0	0	0	0	6	10	10	4	0	0	13	17	0	9	4	2	1	4	5	3	2
		21	1016.0	-	13.5	2.1	11.9	77	5.4	0	6	6	10	8	0	0	0	0	0	0	3	6	12	8	1	0	0	3	27	0	6	4	4	1	4	7	1	3
KEW	10	3	1016.2	-	9.8	1.4	10.3	84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1016.4	- 0.8	13.2	2.9	10.7	71	6.1	0	4	3	13	10	0	0	0	0	0	0	2	7	10	9	2	0	0	6	24	0	7	7	2	1	2	4	3	3
		15	1015.7	-	15.9	4.1	11.2	63	6.4	1	3	1	13	12	0	0	0	0	0	0	0	6	11	8	5	0	0	6	24	0	6	7	2	1	1	4	3	2
		21	1016.3	-	13.1	2.6	10.9	73	5.8	0	7	2	9	12	0	0	0	0	0	0	3	7	10	9	1	0	0	2	27	1	8	2	4	1	5	6	0	3
LONDON	24	3	1015.8	-	11.2	1.5	10.8	81	5.4	0	7	4	12	7	0	0	0	0	0	0	2	9	11	8	0	0	0	3	27	0	12	1	1	2	2	5	5	2
WEATHER CENTRE (X)		9	1016.1	-	13.3	2.6	10.9	71	6.4	0	3	3	10	14	0	0	0	0	0	0	1	7	12	8	2	0	0	10	20	0	11	5	1	1	0	7	2	3
		15	1015.4	-	16.2	3.8	11.4	63	6.7	0	3	1	14	12	0	0	0	0	0	0	1	3	10	15	1	0	0	14	16	0	8	7	0	1	5	2	4	3
		21	1016.0	-	13.7	2.5	11.4	72	5.7	1	5	3	12	9	0	0	0	0	0	0	2	3	11	13	1	0	0	10	20	0	8	4	2	0	3	7	1	5
WILTSHIRE																																					
BOSCOMBE DOWN	128	3	1016.2	-	8.8	0.7	10.3	90	5.4	2	8	1	7	12	0	0	0	0	1	0	4	6	12	5	2	0	0	6	23	1	9	4	2	1	5	1	4	3
		9	1016.3	- 1.2	12.0	1.7	11.2	80	6.4	0	2	5	10	13	0	0	0	0	0	0	1	8	9	8	4	0	0	13	17	0	9	4	2	2	3	2	3	3
		15	1015.7	-	14.7	2.9	11.6	71	6.9	0	2	1	15	12	0	0	0	0	0	0	0	4	9	11	6	0	0	14	16	0	8	7	1	1	4	2	7	3
		21	1016.2	-	11.7	1.5	11.4	82	5.7	0	3	0	10	9	0	0	0	0	0	1	1	7	11	6	4	0	0	4	25	1	7	5	1	1	5	5	3	2
LYNEHAM	149	3	1016.4	-	8.8	0.7	10.3	91	5.6	1	7	3	7	12	0	0	0	0	1	0	3	12	9	5	0	0	0	6	24	0	5	9	1	1	4	6	1	3
		9	1016.5	- 0.9	11.5	1.5	11.2	82	7.0	0	1	2	11	16	0	0	0	0	0	2	1	7	11	7	2	0	0	16	14	0	6	11	1	1	2	5	3	1
		15	1015.8	-	14.4	2.7	11.7	72	6.8	0	1	3	13	13	0	0	0	0	0	1	1	6	8	9	5	0	0	17	13	0	8	5	3	1	3	7	2	0
		21	1016.4	-	11.6	1.6	11.0	81	5.7	0	6	3	12	9	0	0	0	0	0	1	2	6	9	7	5	0	0	6	23	1	7	8	0	0	3	4	7	0
UPAVON	183	9	1016.4	-	11.6	1.2	11.7	85	6.8	0	2	4	11	13	0	0	0	0	0	1	1	7	11	7	3	0	0	11	19	0	5	11	0	2	3	3	4	2
		15	1015.8	-	14.5	2.2	12.6	77	7.0	0	1	4	11	14	0	0	0	0	0	0	0	3	11	12	4	0	0	15	15	0	6	8	1	1	2	4	5	3
		21	1016.4	-	11.4	1.1	11.7	87	5.9	0	5	5	10	10	0	0	0	0	0	1	3	5	9	8	4	0	0	5	22	3	4	9	0	2	2	1	4	5

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JUNE 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: DEPRESSION OF WET BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: VAPOUR PRESSURE (MB)	MEAN TEMPERATURE AND HUMIDITY: RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	CLOUD AMOUNT OKTAS: NUMBER OF OBSERVATIONS: 0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: NUMBER OF OBSERVATIONS: 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE: 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT): 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
5 ENGLAND SE & CENT. S.			-CONTD.																																							
KENT																																											
DUNGENESS	7	3	1015.3	-	-	-	-	-	6.6	0	3	2	11	14	0	0	0	0	0	0	0	7	7	16	0	0	0	13	15	2	0	8	6	1	0	1	0	7	5				
		9	1015.8	-	13.5	1.6	12.7	82	6.6	0	1	6	8	14	1	0	0	0	1	0	1	8	8	12	0	0	0	20	10	0	0	4	8	4	2	6	3	2				
		15	1015.5	-	-	-	-	-	6.4	0	2	5	13	10	0	0	0	0	0	0	1	7	9	13	0	0	1	20	9	0	0	3	8	3	1	2	12	3	1	0			
		21	1015.8	-	-	-	-	-	6.4	0	1	5	14	10	0	0	0	0	0	0	2	6	12	10	0	0	1	14	15	0	0	5	7	5	0	3	3	7	0				
MANSTON	45	3	1015.5	-	10.4	0.8	11.4	90	6.4	1	3	1	12	12	1	0	1	0	0	3	3	2	6	6	11	1	0	0	9	21	0	9	3	0	1	3	8	2	4			
		9	1015.8	-	13.2	1.8	12.2	80	6.8	0	2	3	10	15	0	0	0	0	1	0	3	3	6	8	8	4	0	0	13	17	0	9	4	1	0	1	3	5	4	3	3	
		15	1015.4	-	15.2	2.6	12.6	73	6.5	0	2	3	15	10	0	0	0	0	0	0	3	7	5	11	4	0	0	2	16	12	0	10	5	4	0	3	5	5	4	3	2	
		21	1015.7	-	11.9	1.1	12.1	87	6.2	0	4	4	11	11	0	0	0	0	0	2	4	6	5	10	3	0	0	11	19	0	7	5	5	2	4	6	4	2	2			
HAMPSHIRE																																										
SOUTHAMPTON	9	3	1016.0	-	10.8	1.1	11.1	86	5.6	2	4	4	12	8	0	0	0	0	0	0	1	7	12	9	1	0	0	2	28	0	7	8	1	0	3	2	4	5	4			
WEATHER CENTRE (X)		9	1016.3	-	13.1	2.2	11.3	75	7.0	0	1	1	15	13	0	0	0	0	0	0	1	4	11	11	3	0	0	5	25	0	6	8	1	0	2	1	3	4	3	2		
		15	1015.9	-	15.9	3.4	11.8	67	6.8	0	1	4	13	12	0	0	0	0	0	0	0	6	11	12	1	0	0	9	21	0	6	8	1	0	1	5	9	3	2			
		21	1016.3	-	13.5	2.0	12.0	78	5.7	0	6	5	9	10	0	0	0	0	0	0	1	12	6	8	3	0	0	2	28	0	5	7	0	0	5	4	7	2	2			
WEST SUSSEX																																										
GATWICK	60	3	1015.9	-	9.7	0.5	11.4	94	5.7	2	4	3	11	10	0	0	0	0	0	1	5	11	10	3	0	0	0	2	24	4	8	7	0	1	1	5	5	2	2			
		9	1016.1	- 1.2	13.1	2.0	11.7	78	6.3	0	2	7	9	12	0	0	0	0	0	0	2	5	14	6	3	0	0	7	23	0	9	8	1	0	3	6	4	2	4			
		15	1015.6	-	15.8	2.9	12.7	72	6.7	0	2	2	13	13	0	0	0	0	0	0	2	4	9	9	5	0	1	12	17	0	8	3	2	0	5	7	3	2	2			
		21	1016.1	-	12.2	1.2	12.2	86	6.1	0	6	2	11	11	0	0	0	0	0	0	3	9	9	7	2	0	0	4	26	0	8	3	2	0	5	7	3	2	2			
EAST SUSSEX																																										
HERSTMONCEUX	28	3	1016.1	-	10.3	0.6	11.6	92	5.9	1	5	3	8	13	0	0	0	1	0	1	3	6	13	5	1	0	0	4	21	5	14	2	0	0	2	3	3	1	1			
		9	1016.4	-	13.3	1.8	12.4	80	6.0	0	5	4	8	13	0	0	0	0	0	0	1	4	11	9	4	0	0	7	22	1	12	4	0	1	2	5	4	1	0			
		15	1016.1	-	15.4	2.5	13.0	74	6.8	0	0	4	17	9	0	0	0	0	0	0	2	3	10	9	5	0	1	13	16	0	10	3	1	0	1	7	4	3	2			
		21	1016.4	-	12.0	0.9	12.5	89	5.9	1	5	4	8	12	0	0	0	0	0	1	3	8	8	8	2	0	0	3	24	3	9	3	2	0	1	7	4	3	2			
7A ENGLAND NW & I.O.M.																																										
CUMBRIA																																										
CARLISLE	28	3	1016.2	-	8.8	0.7	10.4	91	5.6	3	4	2	13	8	0	0	0	0	0	0	1	2	11	12	4	0	0	1	27	2	4	5	9	0	1	3	5	1				
		9	1016.4	+ 0.9	12.5	2.2	10.9	75	5.5	2	4	3	16	5	0	0	0	0	0	0	0	1	4	5	12	9	0	0	5	25	0	3	6	4	2	1	2	7	5			
		15	1015.4	-	16.4	4.0	11.4	62	5.5	1	3	7	15	4	0	0	0	0	0	0	0	1	3	7	19	0	0	0	14	16	0	3	5	3	1	1	1	12	4			
		21	1015.9	-	12.0	1.8	11.1	79	5.7	0	6	2	16	6	0	0	0	0	0	0	0	1	6	10	13	0	0	5	24	1	2	5	10	0	1	1	5	3	3			
LANCASHIRE																																										
SQUIRES GATE	11	3	1016.2	-	9.1	0.6	10.7	91	5.4	2	4	5	10	9	0	0	0	0	1	0	4	7	7	10	1	0	0	7	22	1	4	5	7	2	1	1	6	3	5			
		9	1016.6	+ 0.6	13.1	2.0	11.7	77	5.6	3	3	4	12	8	0	0	0	0	0	0	0	4	8	16	2	0	0	10	20	0	3	5	5	2	1	3	5	2				
		15	1016.1	-	14.8	2.5	12.4	73	5.3	1	5	6	13	5	0	0	0	0	0	0	0	2	9	13	7	0	0	20	10	0	2	3	5	3	0	1	3	7	12			
		21	1016.1	-	12.3	1.5	11.8	82	5.3	0	8	4	12	6	0	0	0	0	0	0	0	5	9	13	3	0	0	12	18	0	5	3	6	0	0	3	6	7				
MERSEYSIDE																																										
SPEKE	24	3	1016.2	-	10.0	0.9	11.0	89	5.7	2	5	1	13	9	0	0	0	0	0	0	1	9	12	7	1	0	0	6	24	0	3	4	6	2	3	3	3	6	4			
		9	1016.5	+ 0.3	12.8	1.9	11.5	78	5.8	1	5	3	11	10	0	0	0	0	0	0	2	7	12	5	4	0	0	9	21	0	3	3	7	1	4	2	6	10				
		15	1015.9	-	15.4	3.3	11.6	67	5.4	4	3	3	15	5	0	0	0	0	0	0	0	1	5	10	7	8	0	0	10	20	0	1	2	5	0	2	2	6	6			
		21	1016.2	-	12.3	1.8	11.4	79	5.3	1	7	2	15	5	0	0	0	0	0	1	1	8	9	3	8	0	0	4	24	2	5	1	6	2	0	2	6	6				
GREATER MANCHESTER																																										
MANCHESTER	42	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
WEATHER CENTRE (X)		9	1016.9	-	12.7	2.9	9.9	68	5.7	2	4	4	7	13	0	0	0	0	0	0	0	1	8	12	7	3	0	0	6	24	0	4	8	1	0	4	5	1	7			
		15	1016.1	-	15.9	4.6	9.9	56	5.6	2	3	6	10	9	0	0	0	0	0	0	0	1	2	14	9	4	0	0	8	22	0	3	9	2	0	2	2	8	4			
		21	1016.6	-	13.1	2.8	10.5	69	5.3	0	9	2	8	11	0	0	0	0	0	0	1	4	15	8	2	0	0	1	29	0	4	7	5	0	1	3	8	2				
RINGWAY	84	3	1016.3	-	9.7	1.1	10.4	86	5.1	1	8	5	6	10	0	0	0	0	1	0	1	4	8	10	6	1	0	0	3	26	1	2	6	3	1	7	6	1	3			
		9	1016.5	+ 0.4	12.5	2.4	10.5	73	5.7	1	5	5	7	12	0	0	0	0	0	0	1	4	9	10	8	2	0	0	13	17	0	1	7	5	0	3	4	3	7			
		15	1015.7	-	15.8	4.2	10.4	59	5.6	0	5	6	12	7	0	0	0	0	0	0	1	6	7	11	5	0	0	5	14	0	2	9	2	0	3	7	5	5				
		21	1016.3	-	12.7	2.4	10.7	72	5.4	1	7	3	10	9	0	0	0	0	0	0	1	4	14	9	2	0	0	5	24	1	2	3	6	3	1	4	5	5				
ISLE OF MAN																																										
POINT OF AYRE	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		9	1017.0	+ 1.6	12.5	1.7	11.6	80	5.3	2	4	7	8	9	0	0	0	0	0	0	0	3	3	13	11	0	1	13	15	1	1	9	2	3	2	1	5	6	7			
		15	1016.7	-	14.9	3.0	11.6	68	5.1	2	3	10	6	8	1	0	0	0	1	0	0	1	3	10	15	0	0	2	16	10	2	3	6	0	1	1	2	9	7			
		21	1016.5	-	11.7	1.4	11.5	83	5.1	1	3	11	7	8	0	0	0	0	0	0	0	0	4	12	14	0	1	14	12	3	2	6	0	0	1	2	10	6				
RONALDSWAY	21	3	1016.3	-	9.5	1.1	10.2	85	5.7	2	3	4	13	7	1	0	0	1	0	0	0	3	5	12	9	0	0	12	16	2	5	7	1	0	2	1	5	3				
		9	1016.7	+ 1.0	12.0	1.9	10.9	78	5.8	2	3	4	13	8	0	0	0	0	1	0	0	3	11	5	9	0	0	2	15	13	0	5	5	7	1	3	3	5	3			
		15	1016.4	-	14.0	3.1	10.8	67	4.9	1	4	11	10	4	0	0	0	0	0	0	0	4	7	9	11	0	1	15	14	0	4	3	4	1	7	4	4	3				
		21	1016.3	-	11.5	1.9	10.6	78	5.0	2	5	7	9	7	0	0	0	0	0	0	1	2	5	13	9	0	0	12	15	3	5	6	1	0	2	3	3	7				
7B WALES N																																										
GWYNEDD																																										
BARDSEY ISLAND	19	3	1016.7	-	10.9	0.3	12.6	96	5.3	3	6	5	2	13	1	0	0	0	1	0	0	3	3	22	4	0	0	1	7	22	0	16	1	2	0	4	2	4	1			
		9	1017.0	-	11.9	0.5	13.1	94	5.9	2	0	7	9	11	1	0	1	1	0	0	0	3	3	20	5	0	0	2	11	16	1	10	1	0	0	2	2	6	3			
		15	1016.8	-	13.2	0.8	13.9	91	5.3	3	1	10	6	10	0	0	0	0	0	0	0	4	6	16	9	1	0	1	16	12	1	14	0	0	0	1	2	5	5			
		21	1016.6	-	11.8	0.5	13.1	94	6.0	2	0	9	5	14	0	0	0	0	0	0	0	5	18	7	0	0	2	9	17	2	15	0	1	0	2	6	1	3				
VALLEY	11	3	1016.6	-	10.4	1.2	10.7	84	5.4	2	5	3	12	8	0	0	0	0	0	0	2	5	12	9	2	0	2	9	16	3	10	6	1	0	3	3	3	1	5			
		9	1016.9	+ 0.8	13.4	2.3	11.5	75	5.7	2	2	7	11	8	0	0	0	0	0	0	0	2	2	12	10	4	0	2	18	10	0	6	6	5	0	2	5	1	5			
		15	1016.7	-	15.0	3.3	11.2	66	5.3	2	3	7	12	6	0	0	0	0	0	0	0	3	10	9	8	5	0	0	23	7	0	10	9	5	0	3	5	9	0	2		
		21	1016.6	-	12.1	1.7	11.3	80	5.5	2	4	5	10	9	0	0	0	0	0	0	1	3	11	10	5	0	1	8	21	0	9	5	3	0	3	5	3	2				
8A WALES S																																										
DYFED																																										
ABERPORTH	134	3	1016.6	-	10.1	0.7	11.2	90	5.3	4	4	4	6	12	0	0	0	0	0	0	2	9	10	5	4	0	1	10	16	3	4	2	4	1	6	2	3	5				
		9	1017.0	+ 0.3	11.9	1.2	12.0	86	5.6	1	6	3	9	9	2	0	0	0	2	0	0	1	9	8	6	4	0	0	11	19	0	8	4	4	0	2	1	5	6			
		15	1016.6	-	13.1	1.6	12.3	82	6.0	1	4	3	12	10	0	0	0	0	0	0	1	9	9	10	4	7	0	0	9	21	0	10	3	1	0	1	3	5	7			
		21	1016.7	-	11.4	1.0	11.9	88	5.1	1	9	3	6	11	0	0	0	0	0	1	0	5	15	4	4	0	0	0	11	18	1	4	6	3	0	2	7	6	1			
BRAWDY	116	3	1016.7	-	9.5	0.7	10.8	90	5.3	3	6	2	5	13	1	0	3	0	0	0	0	3	9	6	7	2	0	1	6	21	2	6	5	3	2	2	4	5	3	4		
		9	1016.9	-	12.4	1.7	11.6	80	5.6	2	5	2	11	10	0	0	0	0	0	0	1	7	12	5	5	0	1	3	16	0	9	4	5	1	1	2	4	7	4			
		15	1016.7	-	13.7	2.4	11.5	74	5.8	1	4	4	13	8	0	0	0	0	0	0	1	6	12	6	5	0	2	20	8	0	12	6	5	0	0	2	6	3	7	2		
		21	1016.8	-	10.7	0.9	11.5	89	5.5	1	7	3	8	11	0	0	0	0	0	1	1	12	5	9	2	0	1	10	17	2	6	7	1	0	2	3	7	2	2			
BRYNAMMAN	-	9	-	-	12.7	2.2	10.9	75	5.9	0	7	2	7	14	0	0	0	0	0	1	1	7	12	9	0	0	0	3	25	2	1	9	3	2	0	2	7	4				
		15	-	-	15.4	3.5	11.1	65	6.0	0	3	6	14	7	0	0	0	0	0	0	1	9	9	11	6	1	0	0	2	23	5	1	5	6	3	0	0	4	6	7	4		
		21	-	-	11.9	1.8	11.0	79	5.6	2	5	3	10	10	0	0	0	0	0	1	3	12	7	6	1	0	0	2	20	8	1	6	3	1	0	1	2	7	4			
MILFORD HAVEN	39	3	1016.7	-	10.8	0.8	11.7	90	4.8	6	3	5	5	10	1	0	1	0	0	0	0	0	9	15	5	0	0	0	5	18	7	6	7	4	1	1	0	3	4	4		
C.B.		9	1016.9	- 0.2	13.1	1.7	12.3	81	5.4	3	5	3	6	13	0	0	0	0	0	0	0	0	14	9	7	0	0	0	11	16	3	7	5	1	2	0	2	5	3	4	4	
		15	1016.7	-	14.6	2.1	12.9	77	5.4	2	5	7	6	10	0	0	0	0	0	0	0	0	14	11	5	0	0	0	10	18	2	7	1	0	1	0	2	11	3	6	4	
		21	1016.6	-	12.2	1.1	12.4	87	5.0	3	4	8	5	10	0	0	0	0	0	0	0	0	14	11	5	0	0	0	8	19	3	13	0	1	0	0	3	6	4			
WEST GLAMORGAN																																										
MUMBLES HEAD	37	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		9	1016.8	-	13.2	1.8	12.0	79	5.8	1	5	5	5	14	0	0	0	0	0	0	1	2	18	2	6	3	0	2	12	14	2	5	3	3	0	1	4	3	6	3		
		15	1016.5	-	14.5	2.4	12.3	74	5.6	1	2	10	9	8	0	0	0	0	0	0	2	2	12	5	4	0	2	14	14	0	6	3	0	2	1	6	8	4	4			
		21	1016.6	-	12.9	1.9	11.7	79	5.6	1	5	4	8	12	0	0	0	0	0	1	2	12	3	6	6	0	1	12	16	1	5	3	2	1	3	1	10	4				

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JUNE 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT							VISIBILITY								WIND SPEED AND DIRECTION													
									OKTAS																BEAUFORT FORCE												
																									8 OR MORE	6-7	4-5	1-3	CALM								
																									SPEED (KT)												
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 199M	200 - 399M	400 - 999M	1000 - 1999M	2000 - 3999M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																														
8A WALES S -CONTD. MID GLAMORGAN																																				
CILFYNYDD	195	3	1016.6	-	9.1	1.0	10.1	87	5.6	3	3	4	7	13	0	0	0	0	0	0	1	19	10	0	0	0	0	2	17	11	4	7	1	0	2	2	1	2
		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1016.4	-	12.0	2.0	10.7	77	5.9	1	5	3	7	14	0	0	0	0	0	0	0	15	14	1	0	0	0	2	26	2	2	11	1	0	2	5	5	2
SOUTH GLAMORGAN																																				
RHOOSE	69	3	1016.1	-	9.7	0.8	10.8	89	5.4	1	9	0	10	10	0	0	0	0	0	0	1	10	7	11	1	0	0	4	25	1	2	11	3	1	1	2	5	4
		9	1016.4	- 0.9	12.9	1.9	11.8	79	5.9	0	5	6	7	12	0	0	0	0	0	0	0	9	12	6	3	0	0	0	9	21	0	1	5	9	0	2	2	8	3
		15	1015.8	-	14.9	2.8	12.0	71	6.3	0	3	4	14	9	0	0	0	0	0	0	1	5	13	5	6	0	0	0	12	18	0	0	4	9	1	1	0	13	2
		21	1016.2	-	11.8	1.3	11.7	84	5.7	0	5	6	10	9	0	0	0	0	0	0	1	11	8	6	4	0	0	4	25	1	3	6	4	1	0	0	12	3
8B ENGLAND SW AVON																																				
FILTON	61	3	1016.4	-	9.7	0.9	10.7	89	5.4	2	6	2	10	10	0	0	0	0	0	0	4	9	6	11	0	0	0	5	24	1	3	8	4	1	1	5	6	1
		9	1016.6	- 0.7	12.4	1.7	11.6	80	6.6	0	2	4	12	12	0	0	0	0	0	0	4	6	8	10	2	0	0	10	20	0	2	13	3	0	1	5	4	2
		15	1015.9	-	15.1	2.8	12.2	72	6.3	0	2	5	14	9	0	0	0	0	0	0	2	5	9	8	6	0	0	1	9	20	0	2	9	4	1	0	3	7	4
		21	1016.4	-	12.6	1.8	11.7	80	6.0	1	4	3	13	9	0	0	0	0	0	1	4	5	7	10	3	0	0	8	21	1	2	9	3	1	1	5	5	3
SOMERSET																																				
EXTON	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	11.0	1.2	11.2	86	6.1	0	5	6	4	11	4	0	4	0	0	0	1	12	5	7	1	0	0	9	20	1	7	5	8	0	2	0	5	2
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	9.8	0.8	10.9	90	6.2	0	4	4	8	12	2	0	2	0	0	0	0	14	7	5	2	0	0	3	26	1	7	5	6	0	4	0	6	1
YEOVILTON	23	3	1016.2	-	9.9	0.8	11.0	89	6.1	1	4	2	11	12	0	0	0	1	1	1	5	11	8	3	0	0	0	4	16	10	4	4	2	2	2	0	4	2
		9	1016.4	-	12.9	1.9	11.7	79	6.5	0	2	5	9	14	0	0	0	0	0	0	6	12	7	5	0	0	0	11	19	0	4	10	4	1	2	2	4	3
		15	1015.9	-	15.6	3.0	12.2	69	6.5	0	0	7	12	11	0	0	0	0	0	1	1	8	13	7	0	0	0	14	15	1	3	7	3	0	4	3	2	7
		21	1016.3	-	12.6	1.7	11.7	80	5.9	0	3	9	8	10	0	0	0	0	0	2	2	10	9	7	0	0	0	2	25	3	3	6	2	2	2	2	8	2
DORSET																																				
HURN	11	3	1016.0	-	9.6	0.7	10.9	91	5.6	3	3	4	8	12	0	0	1	0	1	0	1	9	7	11	0	0	0	3	24	3	8	7	0	1	1	5	3	2
		9	1016.3	-	13.0	1.9	11.8	78	6.4	0	1	8	9	12	0	0	0	0	0	0	1	8	9	12	0	0	0	11	19	0	9	6	1	1	5	3	4	1
		15	1015.9	-	15.3	2.7	12.4	72	6.4	0	3	3	12	12	0	0	0	0	0	0	2	8	9	11	0	0	1	10	19	0	5	9	0	0	5	7	3	1
		21	1016.2	-	12.8	1.5	12.2	83	5.4	1	6	5	10	8	0	0	0	0	0	0	1	15	4	9	1	0	0	6	24	0	7	4	0	0	3	7	6	3
PORTLAND BILL.C.G.	54	3	1016.3	-	10.9	0.7	12.0	92	5.5	1	7	2	8	12	0	0	0	0	0	1	0	4	16	9	0	0	1	12	17	0	7	10	1	0	3	1	7	1
		9	1016.8	-	12.4	1.0	12.7	89	6.1	0	3	6	11	10	0	0	0	0	0	1	1	9	10	9	0	0	3	13	14	0	3	6	6	3	2	3	6	1
		15	1016.6	-	13.5	1.1	13.6	88	6.4	1	0	7	10	11	1	0	0	0	0	1	1	2	10	10	6	0	0	3	8	19	0	2	4	6	1	3	6	8	0
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEVON																																				
EXETER	38	3	1016.3	-	9.8	0.6	11.3	92	5.8	0	6	4	7	13	0	0	0	0	2	0	2	8	10	4	4	0	0	4	24	2	4	9	2	1	4	0	4	4
		9	1016.3	- 1.3	13.4	1.8	12.3	80	6.2	0	5	5	7	13	0	0	0	0	0	0	1	8	10	4	7	0	0	12	18	0	5	9	1	1	4	1	5	4
		15	1016.1	-	15.7	2.7	12.8	73	6.4	0	2	4	16	8	0	0	0	0	0	0	0	4	13	5	8	0	1	17	12	0	6	7	2	3	1	1	7	3
		21	1016.5	-	12.5	1.3	12.2	85	5.4	2	4	6	10	8	0	0	0	0	0	0	3	5	9	6	7	0	0	4	25	1	5	3	2	1	4	4	7	3
HARTLAND POINT	93	3	1016.6	-	11.1	0.8	11.9	90	5.4	1	5	7	8	9	0	0	0	0	0	0	1	3	8	8	10	0	0	6	16	13	1	4	8	5	0	0	4	6	2
		9	1016.8	-	12.1	1.0	12.4	88	6.3	0	2	6	10	11	1	1	0	0	0	0	2	10	7	4	6	0	3	12	14	1	3	12	2	0	0	1	7	4
		15	1016.8	-	13.1	1.5	12.6	83	5.9	2	1	7	11	9	0	0	0	0	0	1	0	5	14	2	8	0	1	8	19	2	7	8	4	0	0	1	9	2
		21	1016.7	-	11.9	1.1	12.1	87	6.2	1	3	3	11	12	0	0	0	0	0	0	3	2	11	9	5	0	2	11	15	2	5	6	4	0	0	0	12	1
MOUNT BATTEN	28	3	1016.3	-	11.0	0.9	11.7	89	5.8	1	4	5	9	11	0	0	0	0	0	1	2	6	10	7	4	0	0	1	27	2	4	6	9	0	0	1	8	0
		9	1016.6	- 1.2	13.3	1.8	12.2	80	6.5	0	3	1	14	12	0	0	0	0	0	0	0	11	8	6	5	0	0	6	24	0	4	5	4	0	0	9	5	3
		15	1016.6	-	14.5	2.1	12.8	78	6.3	1	2	3	15	9	0	0	0	0	0	0	1	6	12	4	7	0	0	12	18	0	4	2	4	1	2	10	5	2
		21	1016.8	-	12.6	1.3	12.3	84	5.6	1	7	2	10	10	0	0	0	0	0	1	1	6	12	4	6	0	0	4	25	1	4	3	3	1	1	6	7	4
PRAWLE POINT	-	3	-	-	-	-	-	-	5.8	2	2	6	5	15	0	0	0	0	0	1	2	6	8	13	0	0	2	18	9	1	4	6	7	0	1	1	7	3
		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	6.1	2	1	8	4	15	0	0	0	1	0	1	0	10	8	10	0	0	3	12	15	0	5	3	6	0	1	0	11	4
CORNWALL																																				
GWENNAP HEAD	70	3	1017.1	-	11.0	1.0	11.6	88	4.9	3	8	2	4	12	1	0	0	0	1	0	2	8	4	12	3	0	3	18	9	0	7	8	5	1	0	2	5	2
		9	1017.3	-	12.7	1.6	11.9	81	5.7	0	5	6	8	9	2	0	0	1	1	0	1	12	5	6	4	0	3	14	12	1	3	3	6	5	0	2	6	4
		15	1017.4	-	13.4	2.0	12.0	79	5.6	1	5	6	6	11	1	0	1	0	0	0	2	11	7	5	4	0	3	15	11	1	4	3	3	4	0	4	6	5
		21	1017.3	-	11.6	1.1	11.8	86	5.3	0	6	8	5	10	1	0	0	0	1	2	1	10	8	5	3	0	3	14	11	2	6	9	2	0	0	2	5	4
ST MAWGAN	107	3	1016.8	-	10.6	0.7	11.7	91	5.6	1	5	5	9	9	1	0	1	0	1	1	3	6	9	7	2	0	0	8	17	5	7	1	4	0	3	0	6	4
		9	1017.0	- 0.6	12.8	1.7	11.9	81	6.2	0	3	5	11	11	0	0	0	1	0	1	2	11	6	6	4	0	0	12	18	0	7	6	3	0	2	2	6	4
		15	1016.9	-	13.5	1.9	12.1	79	6.3	0	3	5	10	12	0	0	0	0	1	2	2	10	8	4	5	0	0	13	17	0	8	0	2	1	2	1	8	8
		21	1017.0	-	11.7	1.0	12.2	88	5.3	0	7	7	6	10	0	0	0	1	0	1	4	7	7	7	3	0	0	8	20	2	9	2	2	0	2	2	7	4
SCILLY	61	3	1017.9	-	11.4	0.6	12.5	92	4.9	4	3	7	6	9	1	0	0	0	1	0	0	1	7	4	10	7	0	0	12	12	6	6	3	3	1	0	2	6	3
		9	1018.2	+ 0.4	13.3	1.0	13.5	88	5.4	2	4	6	8	9	1	0	0	0	1	1	0	1	5	9	3	0	2	12	12	4	5	6	4	0	1	2	4	4
		15	1018.4	-	14.5	1.7	13.6	82	5.5	0	6	8	7	9	0	0	0	0	0	0	2	7	8	9	4	0	2	18	8	2	6	5	5	0	3	1	3	5
		21	1018.3	-	12.0	0.7	12.8	91	5.0	0	7	8	4	10	1	0	1	0	0	0	1	9	8	6	5	0	1	11	12	6	7	5	0	0	1	2	4	5
CHANNEL ISLANDS																																				
GUERNSEY AIRPORT	105	3	1016.2	-	10.5	0.5	11.9	94	5.9	2	4	3	9	12	0	0	1	0	0	0	5	6	8	6	4	0	0	10	18	2	7	8	1	0	3	1	6	2
		9	1016.6	-	11.9	1.0	12.3	88	6.3	0	4	4	6	16	0	0	0	0	2	0	3	9	3	10	3	0	0	19	11	0	3	12	2	0	1	4	6	2
		15	1016.8	-	13.2	1.5	12.5	83	6.3	1	1	8	7	13	0	0	0	0	0	2	1	9	8	8	2	0	1	15	14	0	6	9	0	0	3	4	7	1
		21	1017.0	-	11.1	0.7	12.1	91	5.6	1	3	7	10	9	0	0	0	0	0	0	0	8	7	6	3	0	0	13	17	0	6	7	1	0	2	4	7	3
JERSEY AIRPORT	83	9	1016.8	-	12.6	1.3	12.5	86	6.2	0	4	5	6	15	0	0	0	0	1	1	2	10	4	10	2	0	1	16	12	1	3	8	5	0	1	4	6	2
		15	1016.9	-	13.7	1.6	12.9	82	6.4	0	2	6	7	15	0	0	0	0	1	0	0	11	6	10	2	0	2	17	11	0	7	6	2	0	2	2	9	2
NORTHERN IRELAND LONDONDERRY																																				
MONEYDIG	35	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																																				
ALDERGROVE	73	3	1017.2	-	9.0	0.9	10.1	87	5.5	0	7	3	16	4	0	0	0	0	1	0	3	8	4	9	5	0	0	5	24	1	6	10	1	4	1	1	2	4
		9	1017.2	+ 1.9	12.4	2.1	11.0	76	5.4	2	3	4	17	4	0	0	0	0	0	0	1	5	5	13	6	0	0	12	18	0	10	5	0	1	0	2	7	5
		15	1016.6	-	15.6	3.9	10.8	62	5.5	0	5	6	15	4	0	0	0	0	0	0	0	0	4	12	14	0	0	17	13	0	6	6	2	1	1	2	4	8
		21	1016.9	-	11.6	2.0	10.5	76	5.2	0	7	6	12	5	0	0	0	0	0	0	0	2	5	16	7	0	0	4	26	0	11	3	3	2	2	3	2	4
TYRONE																																				
CARRIGANS	112	9	1017.6	-	12.8	2.1	11.3	76	5.5	2	4	5	12	7	0	0	0	0	0	0	0	6	12	6	6	0	0	3	23	4	7	2	1	0	2	3	3	8
		15	1016.8	-	16.3	4.0	11.3	62	5.5	1	2	11	10	6	0	0	0	0	0	0	0	1	13	8	8	0	0	9	21	0	10	1	3	0	3	2	3	8
		21	1017.3	-	11.6	1.7	11.1	80	5.4	1	5	7	9	8	0	0	0	0	0	0	0	7	9	8	6	0	0	2	27	1	13	2	0	0	1	2	2	9

TABLE 5 NUMBER OF DAYS WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS — JUNE 1977

STATION	MAXIMUM °C								MINIMUM °C								STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0		0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
LERWICK (PSYCHROMETER)	0	0	5	25	0	0	0	0	0	0	0	0	5	25	0	0	CAMBRIDGE BOTANIC GARDENS	0	0	0	9	16	5	0	0	0	0	0	0	4	20	6	0
LERWICK (SCREEN)	0	0	6	24	0	0	0	0	0	0	0	0	6	24	0	0	EDGBASTON	0	0	1	11	15	3	0	0	0	0	0	0	1	23	6	0
STORNOWAY	0	0	3	21	5	1	0	0	0	0	0	0	5	23	2	0	KEW (PSYCHROMETER)	0	0	0	10	16	4	0	0	0	0	0	0	3	16	11	0
CRAIBSTONE	0	0	5	16	6	3	0	0	0	0	0	0	7	20	3	0	KEW (NORTH-WALL SCREEN)	0	0	0	8	16	6	0	0	0	0	0	0	1	17	12	0
ROTHESAY	0	0	1	8	14	7	0	0	0	0	0	0	2	25	3	0	HASTINGS	0	0	0	12	16	1	1	0	0	0	0	0	0	12	18	0
ABBOTSINCH	0	0	2	4	16	8	0	0	0	0	0	0	5	19	6	0	SOUTHAMPTON	0	0	0	11	13	6	0	0	0	0	0	0	0	17	13	0
ESKDALEMUIR (PSYCHROMETER)	0	0	4	10	11	5	0	0	0	0	0	0	11	17	2	0	STONYHURST	0	0	1	11	12	6	0	0	0	0	0	0	5	21	4	0
ESKDALEMUIR (SCREEN)	0	0	3	10	12	5	0	0	0	0	0	0	11	16	3	0	VALLEY	0	0	0	10	18	2	0	0	0	0	0	0	0	19	11	0
DOUGLAS	0	0	0	13	15	2	0	0	0	0	0	0	1	20	9	0	RHOOSE	0	0	0	13	15	2	0	0	0	0	0	0	2	21	7	0
BOULMER	0	0	2	18	10	0	0	0	0	0	0	0	5	24	1	0	FALMOUTH	0	0	0	16	13	1	0	0	0	0	0	0	1	21	8	0
HULL	0	0	0	11	16	3	0	0	0	0	0	0	1	21	8	0	ALDERGROVE	0	0	0	11	14	5	0	0	0	0	0	0	4	21	5	0
GORLESTON	0	0	0	13	16	1	0	0	0	0	0	0	0	21	9	0	ARMAGH	0	0	0	9	15	6	0	0	0	0	0	0	7	17	6	0

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND — JUNE 1977

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED							MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT	HOURS OF NO RECORD		HOURLY WIND			GUST			
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS					VEER FROM N	SPEED-KT	DAY HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY	TIME
0 SCOTLAND N																				
SHETLAND	LERWICK	93	10	10		0	3	14	407	260	36	3	11.2	260	24	2 09	340	37	5	1436
ORKNEY	KIRKWALL AIRPORT	41	15	10		0	5	27	327	314	52	0	10.6	270	28	3 09	270	41	3	0924
WESTERN ISLES	BENBECULA	16	10	10		0	7	49	425	204	42	0	12.4	340	27	7 10	220	43	30	0642
	STORNOWAY	12	10	10		0	5	33	375	287	25	0	11.7	010	30	7 12	260	44	30	1436
HIGHLAND	DALCROSS	19	10	10		0	1	7	228	382	103	0	8.7	230	26	30 14	230	40	30	1442
	DOUNREAY	34	12	9		0	1	1	122	447	150	0	7.1	340	22	5 05	340	35	5	0536
	DUIRINISH	38	20	17		0	2	9	143	353	167	48	7.4	200	29	30 14	200	42	30	1024
	FORT AUGUSTUS	58	16	16		0	0	0	135	371	214	0	6.5	250	20	30 14	250	38	30	1524
	WICK	45	10	10		0	2	13	271	383	53	0	9.7	290	27	3 15	290	41	3	1524
1 SCOTLAND E																				
GRAMPIAN	ABERDEEN DYCE AIRPORT	68	10	10		0	2	6	275	328	111	0	9.4	320	23	5 10	320	39	5	1054
	FRASERBURGH	29	13	11		0	5	53	396	219	52	0	12.3	320	31	5 08	330	42	5	0800
	KINLOSS	18	13	13		0	2	15	252	381	72	0	9.5	240	25	30 14	250	40	30	1648
	LOSSIEMOUTH	17	10	10		0	4	10	232	406	72	0	9.3	330	25	5 07	250	37	30	1724
TAYSIDE	BELL ROCK	39	40	38	10 11	8	16	100	294	211	107	0	12.6	020	38	11 06	020	51	11	0630
	MYLNEFIELD	40	10			0	0	0	64	359	274	23	5.7	240	18	30 14	240	32	30	1500
	TUMMEL BRIDGE	161	16	16		0	0	52	393	267	8	5.2	270	17	30 14	280	35	30	1312
FIFE	LEUCHARS	25	13	13		0	3	17	251	328	124	0	9.2	240	27	30 13	030	41	6	1530
LOTHIAN	EDINBURGH TURNHOUSE AIRPORT	43	13	10		0	2	6	285	331	98	0	9.0	040	24	6 18	250	41	30	1500
	ROYAL OBSERVATORY, BLACKFORD HILL	159	10	10		0	5	27	340	302	27	24	11.4	030	27	6 18	030	45	6	1806
	FORTH ROAD BRIDGE	72		72		0	6	22	305	266	122	5	9.9	240	31	30 14	240	42	30	1130
6 SCOTLAND W																				
STRATHCLYDE	ABBOTSINCH AIRPORT	16	10	10		0	0	0	162	428	130	0	7.3	250	20	30 11	250	32	30	1106
	ARDROSSAN	24	20			0	6	29	362	295	34	0	11.4	310	29	5 08	040	41	6	1606
	DUNSTAFFNAGE	13	10	10		0	2	6	249	322	143	0	8.5		26	5 06		35	5	0936
	GREENOCK PORT	51	49			0	2	7	264	308	119	22	9.0	090	25	6 15	080	37	6	1554
	INCHTERF	55	15	12		0	2	7	179	379	148	7	7.7	240	23	30 12	240	42	30	1200
	LOWTHER HILL	754	27		5 6 11 30	14	20	159	318	168	52	9	15.6	290	45	5 04	290	59	5	0406
	MACHRIHANISH	22	12	12		0	2	14	284	338	84	0	9.5	320	25	5 06		37	5	0606
	PAISLEY	57	25	9		0	0	0	81	437	199	3	6.2	270	19	30 12	260	38	30	1248
	PRESTWICK AIRPORT	21	10	10		0	3	16	279	288	137	0	9.3	310	29	5 10	310	40	5	1042
	TIREE	24	16	12		0	7	63	369	243	45	0	12.3	360	28	7 16	350	41	7	1612
DUMFRIES AND GALLOWAY	ESKDALEMUIR	259	10	10		0	3	4	261	298	157	0	8.7	300	25	3 20	010	40	6	2024
	WEST FREUGH	25	10	10		0	0	0	197	368	122	33	8.0	320	21	5 12	320	34	5	1148
2 ENGLAND E & NE																				
NORTHUMBERLAND	BLYTH	19	10	10	DEFECTIVE RECORD															
	BOULMER	33	10	10		0	4	6	267	361	86	0	9.1	360	24	7 00	350	39	10	2048
TYNE AND WEAR	SOUTH SHIELDS	22	17	13		0	7	59	259	253	116	33	10.7	350	29	7 01	350	41	7	0112
CLEVELAND	SOUTH GARE	22	14	15	30	1	8	88	405	172	52	2	13.5	240	34	30 18	240	43	30	1818
DURHAM	DURHAM	119	16	10		0	0	0	51	346	314	9	4.7	250	20	30 12	250	37	30	1218
NORTH YORKSHIRE	LEEMING	42	10	10		0	2	10	297	315	98	0	9.5	010	25	14 11	250	40	30	1336
	LINTON-ON-OUSE	23	9	10		0	0	0	242	381	97	0	8.8		20	5 10		39	5	1148
	SILPHO MOOR	207	15	9		0	0	0	43	351	326	0	4.8	350	16	14 16	350	36	14	1642
LINCOLNSHIRE	BINBROOK	118	10	10		0	4	21	344	314	41	0	11.0	020	25	14 16	020	39	14	1636
	CONINGSBY	16	10	10		0	1	1	259	385	75	0	9.1	360	22	14 09	120	40	11	1412
	CRANWELL	68	13	13		0	2	4	363	337	11	5	10.9	360	23	14 10	360	40	14	1024
	SCAMPTON	68	10	10		0	0	0	217	458	40	5	9.0	010	20	14 16	280	33	6	1600
	WADDINGTON	80	10	10		0	0	0	229	448	43	0	8.9	290	19	5 11	010	35	14	0924
3 EAST ANGLIA																				
NORFOLK	COLTISHALL	27	10	10		0	0	0	253	382	85	0	8.8	360	19	14 03	010	34	14	0342
	GORLESTON	16	13	13		0	4	27	395	270	26	2	12.3	180	26	6 12	360	41	15	2148

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED								HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT			HOURLY WIND				GUST			
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS				HOURS OF NO RECORD	MEAN HOURLY WIND SPEED (KT)	VEER FROM N	SPEED-KT	DAY	HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY	TIME
3 EAST ANGLIA - CONTINUED																				
	MARHAM	29	10	10		0	1	1	284	364	71	0	9.3	210	22	6	16	170	39	11	1348
CAMBRIDGESHIRE	WITTERING	83	10	10		0	0	0	399	297	24	0	10.8	210	21	6	14	160	38	11	1306
	WYTON	45	10	10		0	0	0	262	406	52	0	9.4	340	20	14	06	330	36	14	0618
SUFFOLK	HONINGTON	60	13	13		0	0	0	242	425	53	0	9.0	190	19	6	15	180	36	11	1330
	WATTISHAM	105	17	10		0	0	0	362	332	26	0	10.7	010	21	14	00	190	34	11	1412
BEDFORDSHIRE	BEDFORD	94	13	9		0	0	0	238	430	52	0	9.3	350	21	14	06	230	37	6	1606
	CARDINGTON	70	41	41		0	3	8	377	302	33	0	11.0	250	25	6	16	160	41	11	1206
HERTFORDSHIRE	GARSTON	94	15	10		0	0	0	17	590	113	0	5.9		14	7	07	170	35	11	1154
	ROTHAMSTED	141	13	10																	
ESSEX	SHOEBURYNESS	17	14	12		0	1	2	210	481	27	0	8.9	210	22	6	15	210	37	6	1430
	STANSTED	108	10	10		0	0	0	236	443	41	0	9.0	350	20	14	05	210	32	6	1512
4 MIDLAND COUNTIES																					
SOUTH YORKSHIRE	FINNINGLEY	19	10	10		0	0	0	175	430	115	0	8.0	280	20	5	09	290	33	5	0824
	SHEFFIELD UNIVERSITY	146	29	15		0	0	0	258	353	109	0	8.6	010	19	14	13	300	40	5	1006
NOTTINGHAMSHIRE	WATNALL	133	16	10		0	0	0	187	492	39	2	8.5	240	19	6	16	240	36	6	1630
STAFFORDSHIRE	KEELE	215	15	10		0	0	0	40	339	341	0	4.3	340	19	5	14	360	40	5	1412
SALOP	SHAWBURY	84	12	10		0	1	2	166	413	139	0	7.6	260	24	6	15	250	35	6	1442
WEST MIDLANDS	BIRMINGHAM EDGBASTON	196	36	22		0	0	0	120	480	120	0	7.2	320	19	5	14	330	32	5	1442
	ELMDON AIRPORT	104	10	10		0	0	0	189	438	93	0	8.2	320	21	5	14	310	34	7	1236
HEREFORD & WORCS	PERSHORE	47	10	10																	
OXFORDSHIRE	BENSON	60	10	10		0	0	0	215	390	115	0	8.1	170	20	11	15	190	34	6	1354
	BRIZE NORTON	91	13	10		0	0	0	230	412	78	0	8.6	250	21	6	15	240	37	6	1454
	OXFORD					0	2	5	237	407	56	15	9.2	230	26	6	15	230	44	6	1530
5 ENGLAND SE & CENTRAL S																					
GREATER LONDON	HEATHROW AIRPORT	34	10	10		0	0	0	156	502	62	0	8.0	210	19	6	14	210	33	6	1400
	KEW	28	23	15		0	0	0	117	496	107	0	7.3	210	21	6	15	210	37	6	1506
	LONDON WEATHER CENTRE	93	70	38		0	1	1	287	419	13	0	9.7	200	23	6	15	190	43	6	1418
	POST OFFICE TOWER			174		0	10	57	588	75	0	0	15.8	230	31	6	15	230	43	6	1518
WILTSHIRE	BOSCOMBE DOWN	130	17	17		0	0	0	248	432	40	0	9.0	200	21	6	12	220	31	6	1406
	LARKHILL	145	13	10		0	0	0	211	442	67	0	8.5	050	18	2	10	240	31	6	1612
	LYNEHAM	159	14	11		0	1	2	272	393	53	0	9.4	250	24	6	15	250	36	6	1630
	PORTON	120	10	10		0	0	0	192	450	78	0	8.3	180	20	11	13	180	34	11	1312
KENT	DUNGENESS	16	10	10		0	2	20	431	242	27	0	12.0	220	27	6	18	260	43	7	1212
	ISLE OF GRAIN	15	12	10		0	1	3	186	471	60	0	8.5	200	26	6	15	210	40	6	1606
	DOVER	27	21	18	DEFECTIVE RECORD																
	MANSTON	62	18	18		0	3	19	346	322	33	0	11.1	210	30	6	16	210	43	6	1624
HAMPSHIRE	CALSHOT	15	13	10		0	4	16	318	360	23	3	11.0	200	27	11	13	230	37	6	1512
	FARNBOROUGH	75	10	10		0	0	0	96	487	137	0	6.8	210	19	6	15	210	35	6	1530
	MIDDLE WALLOP	94	10	10	DEFECTIVE RECORD																
WEST SUSSEX	GATWICK AIRPORT	69	10	10		0	1	1	161	464	94	0	7.7	210	22	6	14	210	35	6	1500
	THORNEY ISLAND	16	10	10		0	2	5	180	425	81	29	8.4		23	6	15		37	6	1548
7A ENGLAND NW & I O M																					
CUMBRIA	CARLISLE	41	13	9		0	0	0	155	434	131	0	7.0	040	15	10	10	300	34	5	0424
	GREAT DUN FELL	857	10	10	5 7 10 11 30	33	23	211	337	125	14	0	18.0	040	48	10	22	040	58	10	2106
	MOOR HOUSE	595	13	12		0	3	13	291	353	63	0	9.9		28	5	04		42	5	0524
	SELLAFIELD	25	12	11	DEFECTIVE RECORD																
LANCASHIRE	FLEETWOOD	34	15	9		0	2	23	266	304	127	0	9.4	300	30	5	08	300	40	5	0842
	SQUIRES GATE AIRPORT	22	12	11		0	2	12	278	391	39	0	10.0	310	23	5	12	270	34	6	1530
MERSEYSIDE	AIGBURTH	38	23	11		0	0	0	177	472	71	0	8.1	290	20	5	13	290	34	5	1312
	SPEKE AIRPORT	30	10	10		0	0	0	192	450	78	0	8.2	320	21	5	13	330	36	5	1336
GREATER MANCHESTER	MANCHESTER RINGWAY AIRPORT	80	10	10		0	0	0	211	402	107	0	8.3	320	21	5	12	300	35	7	1242
	WEATHER CENTRE	82	45	17		0	0	0	157	476	87	0	7.6	270	16	5	03	060	40	9	2000
ISLE OF MAN	POINT OF AYRE	20	10	10		0	7	25	383	241	71	0	11.5	310	26	5	14	010	37	6	2312
	RONALDSWAY	25	10	10		0	4	10	346	308	56	0	10.3	320	26	5	13	320	39	5	1406
7B WALES N																					
GWYNEDD	VALLEY	26	16	12		0	4	13	380	274	53	0	11.2	220	26	30	22	340	35	7	0336
8A WALES SOUTH																					
DYFED	ABERPORTH	144	10	10		0	4	10	264	378	68	0	9.5	260	24	5	02	230	35	30	2348
	BRAWDY	121	10	10		0	4	23	321	307	69	0	10.5	010	26	14	11	010	38	14	1112
	MILFORD HAVEN	47	10	10		0	1	1	241	387	91	0	8.7	240	22	6	16	240	37	6	0942
WEST GLAMORGAN	PORT TALBOT	28	12	11		0	1	9	171	314	226	0	6.8	260	24	6	11	050	39	10	1542
MID GLAMORGAN	CILFYNYDD	210	16	16		0	0	0	115	463	128	14	7.3	240	20	30	18	250	38	30	1900
SOUTH GLAMORGAN	RHOOSE AIRPORT	74	10	10		0	1	2	213	388	117	0	8.3	260	24	6	13	260	39	6	1342
8B ENGLAND SW																					
AVON	AVONMOUTH	28	19	10		0	3	13	255	398	54	0	9.6	250	24	6	13	250	39	30	2224
SOMERSET	YEOVILTON	22	12	10		0	1	1	221	390	108	0	8.4	310	23	5	12	300	36	6	1312
DORSET	HURN AIRPORT	23	13	11		0	0	0	219	419	82	0	8.3	180	20	11	12	220	36	6	1454
	PORTLAND BILL CG	60	13	13		0	6	32	275	312	58	43	10.3	300	26	7	05	020	39	13	1330
DEVON	MOUNT BATTEN	64	13	13		0	1	2	177	408	133	0	7.7	250	25	6	12	250	34	6	1230
CORNWALL	CULDROSE					0	3	24	285	315	96	0	9.5	350	29	14	03	360	40	13	1736
	LIZARD	96	23	18		0	8	59	346	234	46	35	12.3	260	29	6	21	250	40	6	1242
	ST MAWGAN	120	13	13		0	0	0	249	393	78	0	9.0	250	21	30	13	240	33	6	1112
	SCILLY(ST MARYS)	70	20	17		0	4	32	350	225	113	0	10.6	270	28	6	19	270	42	6	1936
CHANNEL ISLANDS																					
	GUERNSEY AIRPORT	111	11	10		0	1	1	355	316	48	0	10.5	200	22	11	07	050	35	1	1342
	JERSEY AIRPORT	94	12	10		0	8	29	368	270	53	0	11.5	010	25	13	10	060	36	1	1330
NORTHERN IRELAND																					
LONDONDERRY	COLERAINE UNIVERSITY	33	10	10		0	0	0	118	403	191	8	6.7	360	18	5	09	360	27	7	1854
ANTRIM	ALDERGROVE	80	10	10		0	0	0	201	406	113	0	7.9	300	21	5	03	300	33	5	0336
	BALLYPATRICK FOREST	166	13	13		0	0	0	177	331	212	0	7.2	300	20	5	01	300	34	5	0130
	BELFAST HARBOUR	21	18	18	DEFECTIVE RECORD																
DOWN	KILKEEL	36	19	14		0	0	0	169	351	188	12	7.1	330	17	5	13	330	28	5	1330
	ORLOCK HEAD	51	16	12		0	9	69	315	265	71	0	11.6	330	33	5	10	020	50	6	2118
TYRONE	CARRIGANS	129	10	10		0	0	0	72	416	232	0	5.7	350	16	6	15	290	30	5	0100
FERMANAGH	CASTLE ARCHDALE FOREST	79	13	13		0	0	0	123	415	182	0	6.5	350	16	6	14	340	31	6	1348

TABLE 3 ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY		PRECIPITATION		SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE	0.2 MM OR MORE	1.0 MM OR MORE													
1977	JANUARY	DALCROSS											25		8	14	15	9													
		TOMATIN																11													
		CLASHNOIR														14															
		ELGIN												97																	
		EDINBURGH RBG		-0.5	2.3	-0.6			-6.5	17															15	27				
		MACHRIHANISH						4																							
		COCKLE PARK													18	13															
		CHOPWELLWOOD												207																	
		PICKERING												168																	
		CLEETHORPES											71	132			(16)	(13)													
		CAMBRIDGE NIAB												100																	
		HAUGHLEY											-	-	-	-	-	-													
		LUTON	3.8		2.0		10.7	25					69	120	19	13	13	13													
		HARLOW	5.2	0.4	2.8		11.9	25	-5.3	30		5.8	46	91	9	13	15	11	6	0	0	0	0	4	14			1			
		WILSDEN											85																		
		BUXTON											146	110																	
		MORLEY											79	126		27	18	15													
		MANSFIELD	4.2	0.1	2.1	-0.7	11.0	25	-5.0	30			88		25	27	19	14	7	14	0	0	0	5	14	19		0			
		NOTTINGHAM											73	135			17	13													
		BIRMINGHAM KES															18														
		COVENTRY AIRPORT											65																		
		RUGBY	4.7	-0.4	2.1	-0.8	12.0	21	-5.3	3	2.2	4.1	66	120	17	27	21	15	8	4	0	0	0	4	17	25	21	0			
		BUGBROOKE MILLS											52	101			17	11													
		MOULTON PARK											48				17	11													
		MEDMENHAM																							16						
		BROMLEY												(150)																	
		HARROW WEALD																(14)													
		DOVER RMS																							9						
		ELMSTONE												124																	
		LONG SUTTON												121																	
		HURSTPIERPOINT															17	16													
		EAST HOATHLY											92	122			18	16													
		PLUMPTON												(116)																	
		ABER	7.2	2.1	4.7		12.0	5,24,25	-5.5	13		4.4	106		15	25	23	17	7	5	4	0	0	0	7	13		2	0.86		
		TRAWSFYNYDD											124	70																	
		BWLCHGWYN											132	122																	
		CWMYSTWYTH											150	84																	
		ESGAIRWEN-UCHAF											(166)				(23)	(20)											1.11		
		LLWYNON																							19						
		EXMOUTH	7.6	2.1	4.9	0.0	12.6	25	-4.5	12,13			94	110	16	13	18	15	0	0	0	0	1	1	10			1	2.34	117	
		BUDE																						0							
	FEBRUARY	GLENMORE LODGE												74																	
		CHOPWELLWOOD											69	121		9	18														
		MALHAM TARN													18	9	24														
		CLEETHORPES											(90)	(195)			(18)	(16)													
		CAMBRIDGE BG											68	194						1											
		CAMBRIDGE NIAB																													
		LUTON											92	205			20	18													
		ALDENHAM SCHOOL											121	270				20													
		STANFORD-LE-HOPE		2.8	6.0																				5						
		WILSDEN											180					22													
		BUXTON																23													
		MANSFIELD	6.2	1.4	3.8	+0.7	9.5	5	-3.0	1,26,28			178		28	22	25	21	2	2	0	0	0	3	6	11		0			
		NOTTINGHAM											177	442																	
		BIRMINGHAM KES											140	279				20													
		COVENTRY											125																		
		BUGBROOKE MILLS											104	260																	
		MOULTON PARK															21	18													
		LETCOMBE REGIS	8.8	2.5	5.7		11.4	5	-5.6	28	5.5		112	243	20	18	21	16	1	1	0	0	0	4	6	13		0			
		ENFIELD	(9.6)	4.2	(6.9)		12.2	5	-0.9	28	5.5	6.6	(79)		13	19	21	17	1	1	0	0	1	0	2	13		0			
		KENSINGTON PALACE											67	159			21	16													
		WADDON																							(2)						
		SANDOWN												236			20	17													
		CARTMEL											125				18	15													
		ST HELENS											143					21													
		ABER	8.8	3.8	6.3	·	13.0	9	-1.5	28		5.5	173		51	10	24	21	2	0	0	0	0	0	2	7		2	1.96		
		ESGAIRWEN-UCHAF	6.6	1.4	4.0		9.1	20	-2.9	28			231		38	2	23	19	1	1	1	1	0	4	8	13		0	1.81		
		CILFYNYDD											266				24	21													
		USK											215	276			23	20													
		BATH																							4						
		PORTLAND BILL CG		5.6	7.3	+1.8							131				22	20													

Averages for 1941-70 were brought into use on 1-1-1974. Additions or corrections for months prior to this date refer to the averages in use at the time.

(x) Urban rooftop site.

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THE METEOROLOGICAL OFFICE

MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

MET.0.908 UDC 551 506 1(41-4)

JULY 1977

VOLUME 94 NUMBER 7

METEOROLOGICAL OFFICE - 2 MAR 1978 LIBRARY

Mostly dry: warm in first week, becoming cooler.

Slow-moving fronts crossed northern and central districts at the beginning of the month, while an anticyclone over France drifted to Germany and then to Scandinavia. Pressure rose to the north of the British Isles on the 6th and a ridge developed from Scandinavia to the Azores. An anticyclone became established to the north-west of Scotland from the 9th to the 13th, but southern districts were occasionally affected by continental depressions. A weak cold front moved south-westwards across all areas on the 13th and 14th and the subsequent ridge of high pressure soon declined. Frontal systems from the west crossed all parts from time to time between the 15th and the 24th, when a north-westerly airstream developed. A ridge of high pressure from the Azores extended north-eastwards across the British Isles from the 28th, but weak fronts moved into north-western districts during the last few days.

Weather

Outbreaks of rain early in the month mainly affected northern and western parts, and most areas soon became dry, sunny and very warm. The summer weather lasted into the second week in the north and west, but north-easterly winds brought cool, cloudy conditions to eastern areas, and thunderstorms affected the south-west. Coastal fog occurred most frequently during the first two weeks. There was rain at times in the third week and the second half of the month was mostly cool. Unusually, large patches of snow were still visible on the upper slopes of the higher Scottish mountains at the end of the month.

Wind

Winds were fresh or strong on exposed coasts in the west and north at first, and also during the second half of the month, when speeds reached gale force at one or two places. Gusts exceeding 60 kt were recorded only at the high-level stations at Snaefell (Isle of Man) and Lowther Hill (Strathclyde) on the 2nd and 24th respectively. South-westerly winds at the beginning of the month were soon replaced by south-easterlies and then by north-easterlies, which blew persistently until the 14th. Directions were mainly between south and west from mid-month until about the 24th, when they became north-westerly. Southern and eastern districts had north-easterlies again towards the end of the month.

Temperature

Monthly mean temperatures were mostly within 1 °C of the normal, broadly below average east of a line from extreme north-east England to Dorset and also in the Northern Isles and the far north of mainland Scotland, and above average elsewhere. Values were between 1 and 2 °C above the normal in Northern Ireland and in parts of western Scotland. Many areas became very warm during the first week, the highest temperatures occurring in Scotland, where Paisley (Strathclyde) and Glenlee (Dumfries and Galloway Region) both recorded 30.0 °C on the 7th. The maximum of 29.6 °C reached in Glasgow on the same day was the highest July temperature in a composite record for the area beginning in 1888. It then became cooler in the south and east of the United Kingdom, but the hot weather continued into the second week in the north and west and Onich (Highland Region) recorded a maximum of 30.0 °C on the 11th. Apart from a very warm day in some eastern and southern districts on the 23rd, the remainder of the month was generally cool and ground frost occurred as far south as Kew Observatory (Greater London) and Filton (Avon) on the night of the 14th/15th.

Rainfall

Except in a few places in south-western England, rainfall was well below average almost everywhere. Less than a quarter of the normal amount for July fell over much of central and eastern England and in places in Wales and south-eastern Scotland. Parts of the Midlands and East Anglia recorded less than 10 per cent of their normal rainfall and as little as 0.3 mm fell at East Bergholt (Suffolk). This was the driest July over England and Wales, taken together, since 1935. Outbreaks of rain, mainly in the north and west, occurred during the first few days, but most areas then became dry until mid-month, although there were thunderstorms in places. A rainfall classified as 'noteworthy' occurred at Penmaen (West Glamorgan) on the 8th, when 20 mm fell between 1625 and 1635 GMT, and a slow-moving storm over Dorset on the morning of the 12th accounted for above-average monthly rainfall in the Weymouth area. Most districts had rain at times between the 15th and the 27th, although amounts were small in eastern England. The last few days were mainly dry.

Sunshine

Monthly sunshine totals were below average in the Northern Isles, in northernmost parts of mainland Scotland, and in many coastal districts from south-eastern Scotland to Kent and along the south coast of England to Dorset. Except in Shetland and in places on the East Anglian coast, amounts in these areas were mostly not more than 10 per cent below the average. Totals were above normal almost everywhere else, and exceeded 125 per cent of average over most of Northern Ireland, north-west England, and Scotland, away from northern and eastern coasts. The first two weeks were the sunniest generally and some places in Scotland reached their long-term average for the month by the 15th. Several places in Strathclyde had their sunniest July since 1955 and at Glasgow/Abbotsinch Airport this was the seventh successive July with above-average sunshine. In Northern Ireland it was the sunniest July since 1971.

Fog

Fog chiefly affected coastal areas and occurrences were most frequent during the first half of the month. The fog was persistent in places, particularly along northern and eastern coasts. Local patches of overnight fog inland usually cleared quickly. Hill fog occasionally developed and this was extensive in some western areas on the 22nd and 23rd.

Miscellaneous Phenomena

On the 8th three tornadoes swept over homes in the Gower peninsula, whipping up large objects and damaging property. The second of the whirlwinds was the most severe. Apparently, no one was injured, but birds were caught up in the whirlwind and then beaten to the ground. The aurora was not seen in Scotland during July.

Table 1 District values

District	air temperature °C					mean 30-cm earth temp °C	rain-days	rainfall	sun-shine
	Highest Max *	Lowest Min.*	max.	min.	mean				
			difference from average					% of average	
0 Scotland N	30.0	3.0	+0.6	-0.1	+0.3	-0.3	-5	62	103
1 Scotland E	28.6	0.1	+0.6	+0.2	+0.4	+0.5	-5	51	119
2 England E & NE	26.5	3.2	-0.7	-0.3	-0.5	0.0	-6	31	101
3 East Anglia	27.3	3.6	-0.7	-0.4	-0.5	-0.7	-5	17	100
4 Midland Counties	28.0	3.0	-0.3	-0.4	-0.3	-0.1	-6	24	106
5 England SE & Central S	28.4	4.4	-0.3	-0.1	-0.2	-0.6	-4	37	103
6 Scotland W	30.0	3.5	+1.7	+0.3	+1.0	+0.5	-5	54	136
7 England NW & Wales N	28.3	3.6	+0.7	+0.1	+0.4	-0.3	-3	46	119
8 England SW & Wales S	27.8	5.0	+0.4	+0.3	+0.3	+0.1	-5	40	109
N Ireland	28.5	6.5	+1.5	+0.7	+1.1	+0.7	-3	52	128
Scotland	30.0	0.1	+1.0	+0.1	+0.6	+0.2	-5	56	119
England & Wales	28.4	3.0	-0.1	-0.1	-0.1	-0.3	-5	33	106

*Highest maximum and lowest minimum of District Value Stations.

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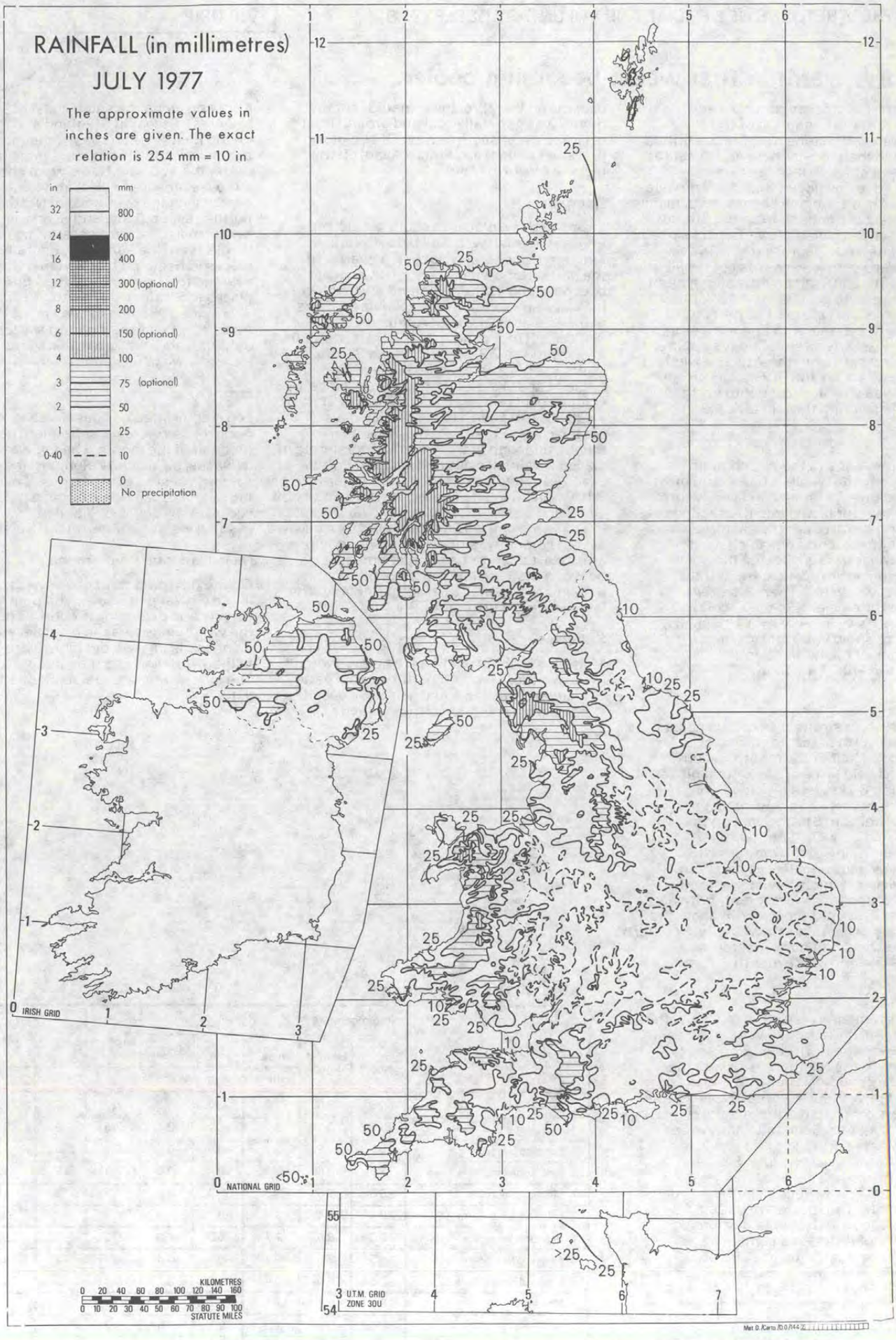
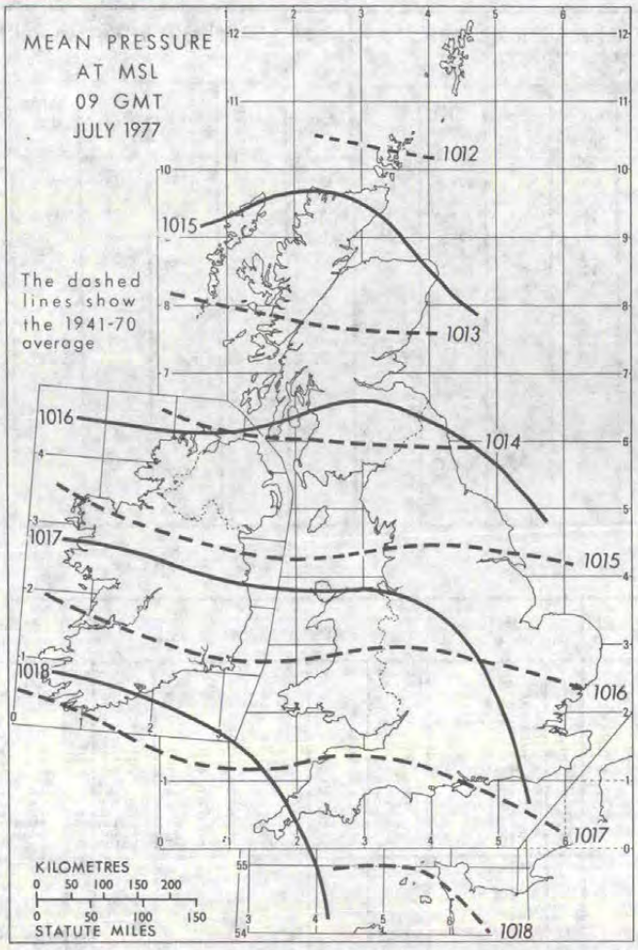
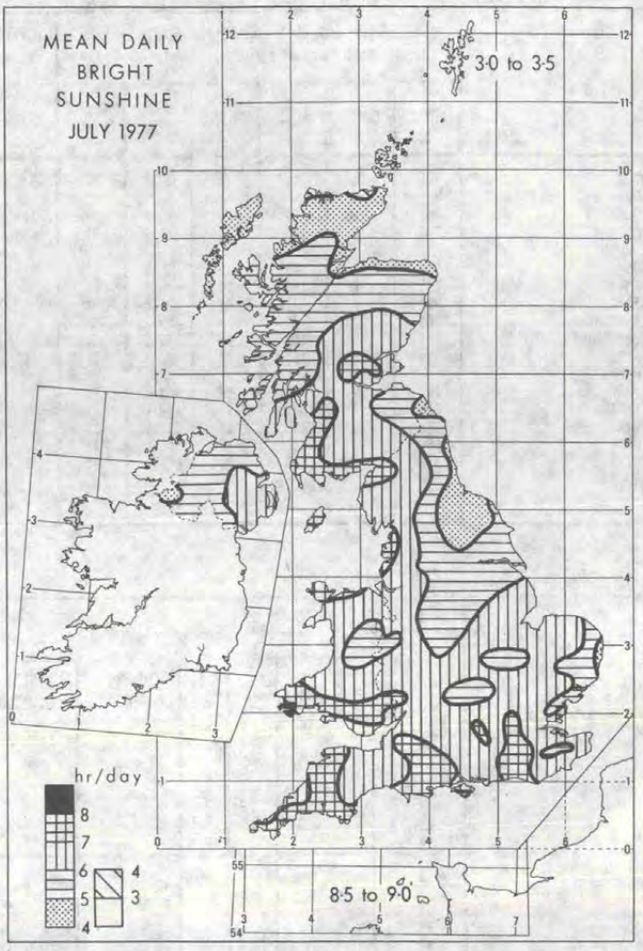
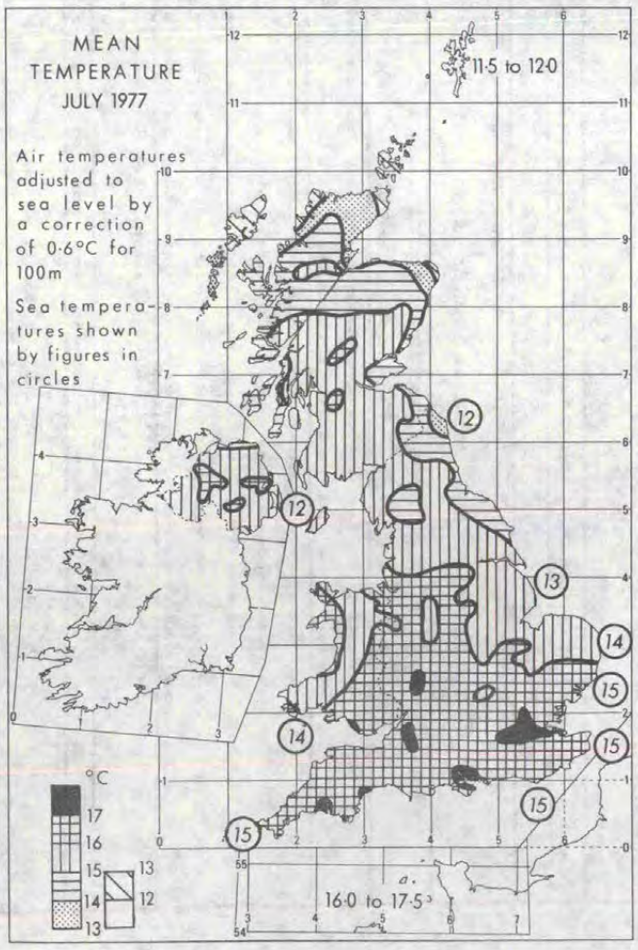
Additional to Monthly Parts, each Annual Volume of the Weather Report includes an explanatory Introduction and a Summary for the Year


RAINFALL (in millimetres)
JULY 1977
The approximate values in inches are given. The exact relation is 254 mm = 10 in
in
mm
32
800
24
600
16
400
12
300 (optional)
8
200
6
150 (optional)
4
100
3
75 (optional)
2
50
1
25
0·40
10
0
0
No precipitation
IRISH GRID
NATIONAL GRID
U.T.M. GRID ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES


MEAN PRESSURE
AT MSL
09 GMT
JULY 1977
1012
1015
The dashed lines show the 1941-70 average
1013
1016
1014
1017
1015
1018
1016
1017
1018
KILOMETRES
0 50 100 150 200
0 50 100 150
STATUTE MILES


MEAN DAILY
BRIGHT
SUNSHINE
JULY 1977
3·0 to 3·5
hr/day
8
7
6
5
4
4
3
8·5 to 9·0


MEAN
TEMPERATURE
JULY 1977
11·5 to 12·0
Air temperatures adjusted to sea level by a correction of 0·6°C for 100m
Sea temperatures shown by figures in circles
12
12
13
14
15
14
15
15
°C
17
16
15
14
13
13
12
16·0 to 17·5

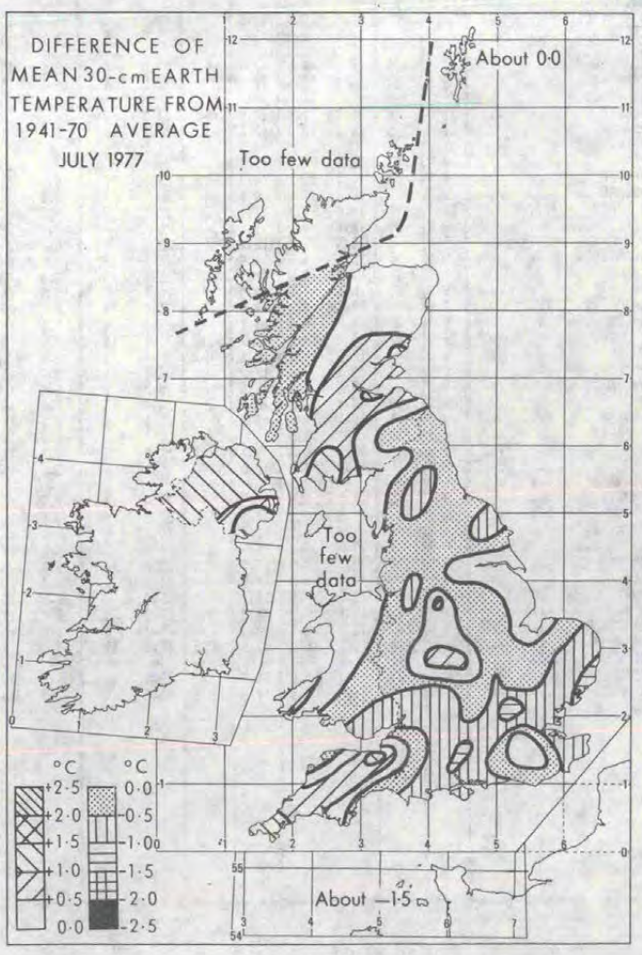

DIFFERENCE OF
MEAN 30-cm EARTH
TEMPERATURE FROM
1941-70 AVERAGE
JULY 1977
About 0·0
Too few data
Too
few
data
°C
+2·5
+2·0
+1·5
+1·0
+0·5
0·0
°C
0·0
0·5
1·0
1·5
2·0
2·5
About −1·5

TABLE 2 SOLAR RADIATION AND ILLUMINATION

JULY 1977

STATION	GLOBAL RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						DIFFUSE RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						GLOBAL ILLUMINATION ON A HORIZONTAL SURFACE (KILOLUX-HOURS)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	742	6	91	19	385.4	31	372	17	91	19	275.9	31	887	4.5	133	19	478.0	31
ABERDEEN UNIVERSITY																		
ESKDALEMUIR	857	11	136	22	487.8	31	317	12	125	22	241.0	31	1154	11	191	22	647.5	31
ABERPORTH	799	7	189	17	538.5	31	403	18	161	7	284.6	31						
CARDINGTON																		
SILSOE	802	2	226	22	475.8	31	373	4	127	2	280.8	31						
ROTHAMSTED	811	2	167	22	479.2	31												
GARSTON	782	2	171	13	485.8	31												
WALLINGFORD	769	2	171	13	459.2	31												
LONDON WEATHER CENTRE	745	5	162	13	464.5	31	357	4.15	122	2	264.0	31	1022	2	232	13	613.6	31
KEW	790	2	133	13	480.3	31	365	8	131	2	273.4	31	968	2	178	13	582.8	31
EASTHAMPSTEAD																		
EAST MALLING	780	5	89	13	463.4	31												
RUSTINGTON	830	3	331	13.24	542.4	31												
EVERTON	722	3	266	17	508.4	31												
WAREHAM	856	21	155	13	506.3	31												
JERSEY AIRPORT	816	2	137	22	606.6	31	383	23	116	2	258.7	31	1045	2	194	22	791.2	31
ALDERGROVE																		

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JULY 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
0 SCOTLAND N																														
SHETLAND																														
BALTASOUND	9 9	24	14.2	8.8	11.5	-0.5	21.6	5	4.5	15	11.3	-	31	47	10	22	16	8	0	0	0	0	0	1	0	-	-	0	3.09	71	-
FAIR ISLE	9 9	57	12.9	9.1	11.0	-	17.5	6	5.3	17	11.1	10.1	30	-	19	22	13	5	0	0	0	0	0	3	0	1	-	0	4.52	-	-
LERWICK	21-9	82																												
PSYCHROMETER			13.5	9.0	11.3	-	20.5	6	4.9	15	-	-	50	-	20	22	13	8	0	0	0	0	0	3	0	0	0	0	3.31	78	-
SCREEN			13.6	8.9	11.3	-0.4	21.0	6	4.7	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORKNEY																														
KIRKWALL AIRPORT	21-9	26	14.9	9.4	12.1	-0.2	22.0	4	5.6	15	-	-	18	27	11	22	11	2	0	0	0	0	0	0	0	0	0	0	4.09	92	-
WEYLAND	9 9	24	14.9	9.6	12.3	-	22.1	4	5.4	15	14.4	-	17	-	11	22	11	3	0	0	0	0	0	1	0	0	-	0	-	-	-
WESTERN ISLES																														
BENBECULA	21-9	6	16.7	11.1	13.9	+0.7	22.9	7	7.5	15	-	-	71	-	12	23	19	17	0	0	0	0	2	0	0	0	0	0	4.82	97	-
STORNOWAY	21-9	3	15.3	10.3	12.8	-0.1	21.2	5	6.5	1	-	-	51	-	12	19	16	9	0	0	0	0	0	1	0	0	0	0	4.83	113	-
HIGHLAND																														
ACHANY	9 9	107	18.4	9.0	13.7	-	27.3	5,6	2.2	15	12.5	-	45	-	14	15	13	7	0	0	0	0	1	0	0	1	-	0	5.08	-	-
ACHNASHELLACH	9 9	67	19.3	10.2	14.7	+1.4	27.6	10	5.4	15	-	-	108	73	33	23	14	13	0	0	0	0	2	0	0	-	-	0	-	-	-
BALMACARA	9 9	4	17.7	10.9	14.3	-	25.5	7	8.3	28	-	-	61	51	19	23	14	10	0	0	0	0	0	0	0	-	-	0	-	-	-
CAPE WRATH	21-9	112	14.0	9.3	11.7	-0.1	21.3	7	7.0	1.14	-	-	43	48	12	22	17	11	0	0	0	0	0	6	0	0	0	0	3.20	-	-
CASSLEY	9 9	99	18.1	9.6	13.9	-	26.5	6	3.5	15	-	-	38	-	13	23	11	8	-	-	-	-	-	-	-	0	-	0	-	-	-
CORPACH	9 9	8	20.5	10.3	15.4	-	29.9	7	6.4	15	-	-	103	-	26	23	11	10	0	0	0	0	1	0	0	0	-	0	-	-	-
CRAIGDARROCH	9 9	38	20.1	9.6	14.9	-	29.4	5	4.0	14	-	-	46	-	13	15	14	9	0	0	0	0	1	0	0	0	-	0	-	-	-
DALCROSS	9 9	11	18.1	10.6	14.3	-	25.5	5	6.2	17	-	-	54	-	13	15	13	7	-	-	-	-	-	0	0	0	-	0	-	-	-
DALWHINNIE	9 9	351	18.2	7.7	12.9	-	26.7	6	-0.7	15	-	-	40	-	10	15	13	9	0	0	0	0	1	5	1	-	-	1	5.88	-	S
DIABAIG	9 9	46	17.3	10.7	14.0	-	24.9	4	8.4	27	-	-	72	-	15	23	16	11	0	0	0	0	0	0	0	0	-	0	-	-	S
DOUNREAY	9 9	21	16.2	9.9	13.1	-	27.0	5	3.5	15	-	-	17	25	5	23	10	6	0	0	0	0	0	0	0	0	-	0	3.80	-	-
FORT AUGUSTUS	9 9	21	19.0	10.5	14.7	+1.0	27.9	4	3.6	15	-	-	46	-	10	23	15	10	0	0	0	0	2	1	0	-	-	0	5.19	136	-
FORTROSE	9 9	5	16.5	11.6	14.1	0.0	22.5	5	9.5	27.28	-	-	56	90	12	15	12	8	-	-	-	-	-	2	0	-	-	-	4.47	100	-
GLENMORE LODGE	9 9	341	18.0	7.6	12.8	-	28.2	10	0.9	15	-	-	72	81	12	24	15	12	0	0	0	0	0	0	0	1	0	0	5.28	-	S
GRANTOWN-ON-SPEY	9 9	229	18.6	8.5	13.5	-	28.2	6	3.4	17	-	-	69	-	18	19	15	10	0	0	0	0	1	0	0	3	-	0	5.43	-	-
HERSTE	9 9	109	17.1	10.0	13.5	-	24.7	5	5.9	15	-	-	85	-	23	22	16	15	0	0	0	0	0	0	0	0	-	0	-	-	-
INVERNESS	9 9	4	18.4	11.6	15.0	-	26.1	4	8.4	15	-	-	58	89	13	15	14	11	0	0	0	0	0	0	0	0	-	0	4.99	-	-
INVERPOLLY	9 9	14	-	10.5	-	-	-	-	5.0	19	13.6	-	70	-	(15)	23	(16)	(13)	0	0	-	-	-	0	0	-	-	0	-	-	-
ISLE OF RHUM	9 9	5	18.1	10.7	14.4	-	24.5	5	6.2	15	15.6	13.4	114	54	33	23	18	13	0	0	0	0	0	0	0	0	-	0	-	-	-
KEISS	9 9	30	15.0	9.0	12.0	-	20.4	4	3.6	15	13.8	12.2	26	-	9	23	12	6	0	0	0	0	0	0	0	0	-	0	4.42	-	-
KNOCKANROCK	9 9	244	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAGGANLIA	9 9	250	18.8	7.8	13.3	-	27.9	6	-2.5	15	-	-	86	-	47	8	13	8	0	0	0	0	2	0	1	1	-	0	-	-	-
LAIRG	9 9	107	18.6	8.5	13.5	-	27.5	6	1.8	15	13.4	11.1	38	-	13	23	15	6	0	0	0	0	1	0	0	1	-	0	-	-	-
LENTRAN	9 9	146	18.1	9.2	13.7	-	26.0	4	5.0	15	-	-	62	-	12	15	13	12	0	0	0	0	0	0	0	0	-	0	-	-	-
NAIRN	9 9	6	17.8	10.1	13.9	-0.2	24.2	5	6.0	17	-	-	45	73	11	15	13	8	0	0	0	0	0	0	0	0	-	0	-	-	-
ONICH	9 9	15	20.5	10.0	15.3	+1.8	30.0	11	6.0	1.28,31	-	-	100	67	26	22	12	11	-	0	-	0	-	3	0	0	-	0	5.02	109	-
POOLEWE	9 9	6	17.4	10.8	14.1	-	23.7	7	7.9	1.14	-	-	71	-	15	23	10	7	0	0	0	0	1	0	0	0	-	0	5.22	145	S
PRABOST	9 9	67	17.6	9.9	13.7	-	25.0	7	6.2	13	-	-	45	36	13	23	15	11	0	0	0	0	0	1	0	0	-	0	4.52	-	S
RUBH RE	21-9	16	15.1	10.9	13.0	-	21.2	7	9.0	14	-	-	67	-	15	23	15	12	0	0	0	0	0	1	0	0	0	1	5.28	-	-
STRATHCONON	9 9	107	19.3	9.3	14.3	-	28.2	6	3.3	15	-	-	50	-	11	15	15	11	0	0	0	0	1	0	0	2	-	1	-	-	-
TARBATNESS	21-9	18	16.2	10.6	13.4	-0.3	20.3	31	7.4	17	-	-	60	-	20	23	11	8	0	0	0	0	0	1	0	-	-	0	-	-	-
TOMATIN	9 9	311	-	-	-	-	-	-	-	-	-	-	70	-	16	19	14	12	0	0	0	0	0	0	0	-	-	0	-	-	-
TORRISDALE	9 9	27	16.3	9.8	13.1	-	24.8	7	4.3	17	-	-	22	-	7	23	13	7	0	0	0	0	0	1	0	0	0	0	4.14	-	-
WICK	21-9	36	14.9	9.3	12.1	-0.4	21.0	4	3.0	15	-	-	33	53	16	23	13	7	0	0	0	0	0	0	0	1	0	0	4.27	95	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — JULY 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (GHT) OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
1 SCOTLAND E																																
GRAMPIAN																																
ABERDEEN																																
DYCE AIRPORT	21-9	58	18.0	9.9	13.9	+0.4	24.9	6	3.3	19	-	-	58	73	14	19	11	8	0	0	0	1	1	0	0	1	0	0	5.37	108	-
MANNOFIELD	9 9	16	16.9	10.2	13.5	-0.2	22.4	4	4.8	19	-	-	87	110	26	19	12	9	0	0	0	0	1	0	0	0	0	0	-	-	-
BALMORAL	9 9	283	18.9	7.5	13.2	+0.5	27.4	6	3.1	15	-	-	23	34	9	17	11	5	0	0	0	0	0	-	0	0	0	0	-	-	-
BANCHORY	8 8	77	19.3	9.8	14.5	-	26.7	6	5.0	19	-	-	38	-	8	15.19	11	7	0	0	0	1	1	0	0	0	0	0	5.71	-	-
BANFF	9 9	24	16.6	11.0	13.8	-	26.2	6	8.5	19	-	-	66	93	16	17	11	8	-	0	-	-	-	1	0	-	-	-	4.07	-	-
BRAEMAR	9 9	339	19.5	8.0	13.7	+1.0	27.7	11	0.1	15	-	-	21	35	7	15	11	5	-	0	-	-	-	0	0	4	-	-	6.66	144	-
CLASHNOIR	9 9	338	17.3	8.2	12.7	-	26.7	6	4.4	11	13.0	-	73	-	12	17	13	10	0	0	0	0	1	0	0	0	-	0	5.18	-	-
CRAIBSTONE	9 9	91	17.0	9.5	13.3	0.0	23.4	4	4.5	19	13.9	12.1	73	88	21	19	13	10	0	0	0	0	1	1	0	0	-	0	5.45	106	-
CULTERTY	9 9	3	16.8	9.7	13.3	-	21.4	31	3.6	19	-	-	59	86	17	17	13	9	0	0	0	0	1	1	0	0	-	0	-	-	-
ELGIN	9 9	15	17.6	10.6	14.1	-	26.5	4	6.5	17,19	-	-	40	50	10	15	13	10	-	-	-	-	-	1	0	-	-	-	4.49	-	-
FOREHILL	9 9	40	15.6	9.6	12.6	-	21.0	4	5.4	15	-	-	61	-	19	23	11	8	-	-	-	-	-	-	0	-	-	-	-	-	-
FORRES	9 9	5	18.3	10.9	14.6	+0.6	28.5	5	7.9	17	16.5	14.7	55	-	14	15	13	9	0	0	0	0	0	1	0	0	0	0	4.82	103	-
FRASERBURGH	21-9	19	15.2	10.3	12.7	-	22.6	5	7.8	15	-	-	52	86	21	23	10	9	0	0	0	0	0	1	0	0	0	0	4.66	-	-
FYVIE CASTLE	9 9	55	17.6	9.3	13.5	-	25.5	4	3.5	19	-	-	73	89	19	17	13	9	0	-	0	0	1	-	0	0	0	0	-	-	-
GARTLY	9 9	146	18.3	9.1	13.7	-	27.6	6	2.6	19	-	-	58	-	16	17	13	10	-	-	-	-	-	-	0	0	-	-	-	-	-
GLENLIVET	21-9	215	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INVERURIE	9 9	54	18.6	9.4	14.0	-	25.4	4	2.6	19	-	-	59	-	21	19	11	7	0	0	0	0	1	0	0	0	-	0	5.15	-	-
KEITH	9 9	106	17.8	9.2	13.5	-	27.5	6	4.0	19	-	-	67	-	16	17	14	10	0	0	0	0	0	-	0	0	-	0	5.20	-	-
KINLOSS	21-9	5	18.0	10.7	14.3	+0.3	28.4	5	6.2	17	13.4	-	48	70	13	15	13	9	0	0	0	0	0	0	0	0	0	0	4.61	-	-
LOSSIEMOUTH	21-9	6	17.4	10.6	14.0	-	28.5	5	5.8	17	-	-	37	53	10	15	14	7	0	0	0	0	0	0	0	0	0	0	-	-	-
TAYSIDE																																
ARBROATH	9 9	28	17.6	10.8	14.2	-	21.2	31	5.5	27	-	-	34	55	10	17	9	7	0	0	0	0	0	0	0	0	-	0	6.78	115	-
ARDTALNAIG	9 9	130	20.9	10.3	15.6	-	29.1	7	6.7	29	-	-	45	56	18	22	10	5	0	0	0	0	1	0	0	0	-	0	6.61	-	-
DRUMMOND CASTLE	9 9	113	19.8	9.3	14.5	-	28.1	7	4.7	14	15.7	-	70	-	37	17	12	7	0	0	0	0	0	-	0	0	-	0	7.24	-	S
DUNDEE	9 9	45	19.4	10.6	15.0	+0.2	23.7	30	5.3	27	17.2	-	37	48	13	17	8	7	0	0	0	0	0	0	0	0	-	0	-	-	-
FASKALLY	9 9	94	20.5	9.9	15.2	-	29.0	7	5.4	15	15.8	13.8	33	49	11	17	9	5	0	0	0	0	0	0	0	0	-	0	-	-	-
KINDROGAN	9 9	259	19.5	7.8	13.7	-	27.7	7	3.6	11	-	-	39	-	12	17	9	5	0	0	0	0	1	0	0	2	-	0	-	-	-
KINROSS	9 9	116	19.2	8.2	13.7	-	26.6	8	2.9	15	15.8	-	35	-	15	22	12	5	-	0	-	-	-	-	0	0	-	0	6.12	-	-
MONTROSE	9 9	57	17.7	10.2	13.9	-	22.3	4	6.6	15	-	-	35	51	9	22	10	7	0	0	0	0	1	0	0	0	-	0	-	-	-
MYLNEFIELD	9 9	30	18.9	10.3	14.6	-	23.6	7,30	4.5	27	15.7	12.7	36	51	13	17	7	6	0	0	0	0	0	0	0	1	-	0	6.81	-	-
PERTH	9 9	23	20.6	10.4	15.5	+0.8	28.7	7	5.5	27	-	-	43	58	16	17	8	7	-	0	-	-	-	0	0	0	-	0	6.96	131	-
STRATHALLAN	9 9	41	20.4	10.1	15.3	-	28.1	7	4.7	27	-	-	38	-	14	22	10	6	0	0	0	0	0	0	0	0	-	0	-	-	-
USAN	21-9	30	16.6	10.4	13.5	-	21.0	23	6.5	15	-	-	34	-	10	17	8	8	0	0	0	0	0	1	0	0	0	0	6.41	-	-
WHITEHILLOCKS	9 9	258	19.2	8.3	13.7	-	25.8	6	3.9	19	-	-	26	27	11	17	9	7	0	0	0	0	0	0	0	0	-	0	-	-	S
FIFE																																
BELLISTON	9 9	82	17.7	10.5	14.1	-	22.8	31	7.0	15	15.2	-	29	40	9	17	9	7	0	0	0	0	0	0	0	0	-	0	-	-	-
CUPAR	9 9	36	19.4	9.9	14.7	-	25.5	4	4.6	27	16.7	-	32	-	11	22	9	6	0	0	0	0	0	-	0	0	-	0	6.48	-	S
GLENROTHES	9 9	117	17.9	9.2	13.5	-	24.7	7	5.2	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	7.65	-	-
LEUCHARS	21-9	10	18.3	10.2	14.3	-0.2	23.6	30,31	5.1	27	-	-	30	44	11	17	8	6	0	0	0	0	0	0	0	0	0	0	6.54	112	-
PITREAVIE	21-9	40	18.9	10.9	14.9	-	25.3	7	7.2	27	-	-	30	43	12	17	9	5	0	0	0	0	0	0	0	0	0	0	-	-	-
ST ANDREWS	9 9	18	18.3	10.9	14.6	-	23.3	30	6.2	27	16.3	13.8	26	40	7	22	9	7	0	0	0	0	0	1	0	0	-	0	6.37	-	-
LOTHIAN																																
BLACKBURN SEWAGE WORKS	9 9	131	19.1	9.4	14.3	-	28.0	7	4.0	27	-	-	25	-	6	23	9	7	-	-	-	-	-	0	0	-	-	-	-	-	-
BUSH HOUSE	9 9	184	18.2	9.8	14.0	-	26.1	7	4.0	15	15.2	13.5	15	17	3	22	10	6	0	0	0	0	0	1	0	0	-	0	5.65	-	-
DUNBAR	9 9	23	17.8	11.1	14.5	+0.3	22.8	23	8.0	17,28	-	-	17	31	4	15,17	10	6	0	0	0	0	0	1	0	0	-	0	5.58	94	-
EDINBURGH																																
EAST CRAIGS	9 9	61	19.1	10.5	14.8	-	26.2	7	6.7	15,29	16.0	-	19	-	7	15	10	6	0	0	0	0	0	0	0	0	-	0	6.55	-	-
ROYAL BOTANIC GARDEN	9 9	26	18.8	11.1	14.9	+0.2	24.5	7	7.7	29	16.5	-	20	26	7	15	8	6	0	0	0	0	0	0	0	0	-	0	6.32	116	-
ROYAL OBSERVATORY BLACKFORD HILL	9 9	134	18.8	10.7	14.7	+0.2	26.0	7	7.9	27	-	-	20	27	6	15	8	7	0	0	0	0	0	0	0	0	-	0	5.86	112	-
TURNHOUSE AIRPORT	21-9	35	19.2	10.6	14.9	+0.5	24.9	7	5.8	29	-	-	20	27	6	15	9	6	0	0	0	0	0	0	0	0	1	0	6.29	124	-
HADDINGTON	9 9	49	19.2	10.5	14.9	-	26.4	5	6.3	15	-	-	13	22	5	15	5	4	0	0	0	0	0	0	0	0	-	0	-	-	-
LIVINGSTON	9 9	125	19.7	9.5	14.6	-	29.0	7	4.0	29	-	-	20	-	4	15	8	7	0	0	0	0	0	2	0	0	1	0	-	-	-
NUNRAW ABBEY	9 9	195	17.7	9.9	13.8	-	25.0	7	5.7	27	-	-	19	-	6	24	12	5	0	0	0	0	0	0	0	0	-	0	-	-	-
PATHHEAD	9 9	131	18.6	10.1	14.3	-	26.6	7	6.0	15	15.4	-	13	-	4	24	7	6	0	0	0	0	0	0	0	0	-	0	-	-	-
PENICUIK	9 9	189	19.0	9.6	14.3	+0.5	27.2	7	4.1	15	15.3	-	12	14	2	17	10	6	0	0	0	0	0	2	0	0	-	0	5.58	115	S
BORDERS																																
BLYTH BRIDGE	9 9	253	18.4	9.3	13.9	-	27.4	7	5.7	29	-	-	18	23	6	17	9	5	0	0	0	0	0	0	0	0	-	0	6.26	-	-
BLYTHE	9 9	262	18.5	8.8	13.7	-	26.7	7	5.0	17	-	-	16	20	5	17	12	5	-	0	-	-	-	1	0	-	-	-	5.67	-	-
BONCHESTER BRIDGE	9 9	146	18.8	-	-	-	27.1	6	-	-	-	-	19	-	3	17	13	10	0	0	0	0	0	2	-	-	-	-	-	-	-
BOWHILL (SELKIRK)	9 9	168	19.4	9.7	14.5	-	28.7	7	5.6	15	-	-	19	23	4	19	10	6	0	0	0	0	1	0	0	0	-	0	-	-	-
FLOORS CASTLE	9 9	59	18.9	10.3	14.6	-	26.7	7	6.1	17	-	-	20	30	3	24	12	7	0	0	0	0	0	0	0	0	-	0	-	-	-
GALASHIELS	9 9	198	18.5	9.6	14.1	-	26.2	7	6.2	15	-	-	15	-	5	17	10	6	0	0	0	0	0	0	0	0	0	0	5.55	-	-
GLENTRESS	9 9	165	19.9	9.4	14.7	-	29.0	7	4.0	17	-	-	12	16	5	15	6	4	-	0	-	-	-	0	0	-	-	-	-	-	-
GREYCROOK	9 9	76	19.3	9.5	14.4	-	27.0	4,7	5.2	15,17	16.7	-	17	-	3	15	14	8	0	0	0	0	0	0	0	0	-	0	-	-	-
KELSO	9 9	34	19.5	10.6	15.1	-	28.2	4	6.7	17	-	-	16	-	5	24	10	6	0	0	0	0	0	0	0	0	-	0	-	-	S
LEITHOLM	9 9	64	18.7	9.3	14.0	-	25.4	4	4.7	17	15.3	-	19	-	3	15,17	12	6	0	0	0	0	0	0	0	0	-	0	4.82	-	-
ST ABBS HEAD	9 9	75	16.5	11.1	13.8	0.0	21.0	3,4	9.6	17	-	-	-	-	-	-	-	-	0	0	0	1	0	4	0	0	0	1	-	-	-
STANHOPE FARM	9 9	226	18.9	8.9	13.9	-	28.3	7	3.4	29	-	-	26	31	8	23	11	6	0	0	0	0	1	0	0	0	-	0	-	-	-
WEST LINTON	9 9	244	18.7	9.0	13.9	+0.9	27.5	7	4.6	29	14.6	12.9	19	24	6	17	10	6	0	0	0	0	0	0	0	0	-	0	-	-	-
WHITCHESTER	9 9	255	17.2	9.0	13.1	-	24.1	7	5.0	17	-	-	16	20	4	17	11	5	0	0	0	0	0	-	0	-	-	0	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — JULY 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
6 SCOTLAND W																																
STRATHCLYDE																																
ACHAGLACHGACH	9 9	12	19.5	10.5	15.0	-	27.0	7	5.7	29	-	-	88	69	32	22	15	13	0	0	0	0	0	0	0	0	-	0	-	-	-
AROS	9 9	37	19.9	9.7	14.8	-	27.5	8	5.6	1,15	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	1	-	0	-	-	-
AUCHINCRUIVE	9 9	45	19.6	11.2	15.4	+1.1	27.4	5	6.0	31	15.2	13.3	49	60	14	8	13	11	0	0	0	0	1	0	0	0	-	0	7.77	157	-
BARRHEAD	9 9	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENMORE(YOUNGER BOTANIC GARDEN) ...	9 9	12	19.7	10.9	15.3	-	28.2	7	5.9	27	-	-	111	63	29	22	14	10	0	0	0	0	1	4	0	0	-	0	-	-	-
BRODICK CASTLE	9 9	15	19.9	11.3	15.6	-	26.6	7	6.1	28	17.7	-	73	51	19	15	13	11	0	0	0	0	1	0	0	0	-	0	-	-	-
CAMPS RESERVOIR ...	9 9	295	17.9	8.5	13.2	-	27.8	7	4.5	11,29	-	-	43	47	10	23	11	10	0	0	0	0	1	0	0	2	6.54	-	-	-	-
CARNWATH	9 9	208	19.5	8.1	13.8	-	28.8	7	2.1	29	14.4	-	22	28	7	15	11	7	0	0	0	0	1	0	0	2	0	1	-	-	-
COLONSAY	9 9	35	18.3	11.1	14.7	-	25.7	4	7.4	1	-	-	57	-	16	22	14	12	0	0	0	0	1	0	0	-	-	1	-	-	-
CRAWFORDJOHN	9 9	274	19.1	8.4	13.7	-	28.4	7	2.6	15	14.3	-	-	-	-	-	-	-	0	0	0	0	1	0	0	0	0	0	6.58	-	-
CUMNOCK	9 9	99	-	(10.0)	-	-	-	-	5.0	15	16.5	-	46	-	8	23	12	11	0	0	0	0	0	0	0	0	-	0	6.87	-	-
DUNSTAFFNAGE	9 9	3	19.1	10.6	14.9	-	26.3	7	6.4	1	-	-	76	-	19	22	12	9	0	0	0	0	1	0	0	0	-	1	-	-	-
EAST KILBRIDE	9 9	178	19.2	10.6	14.9	-	28.3	7	6.4	27	-	-	45	-	17	17	11	8	0	0	0	0	1	-	0	0	-	0	7.08	-	-
FINNART	9 9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GIRVAN	9 9	8	19.6	12.2	15.9	-	26.8	10	7.9	29	-	-	38	55	8	15	11	9	0	0	0	0	0	0	0	0	-	0	7.20	-	-
GLASGOW																															
ABBOTSINCH AIRPORT ...	21-9	5	20.7	11.0	15.9	+1.2	29.2	7	5.3	27	-	-	45	-	17	22	11	7	0	0	0	0	0	0	0	0	0	0	7.27	141	-
SPRINGBURN PARK ...	9 9	107	20.1	11.0	15.5	+1.0	29.6	7	6.5	27	-	-	63	73	20	17	11	6	0	0	0	0	1	0	0	0	-	0	6.85	139	-
WEATHER CENTRE (X)	21-9	40	20.3	12.7	16.5	-	29.6	7	8.3	27	-	-	45	-	14	17	10	6	0	-	0	0	0	0	0	-	-	0	6.38	-	-
GREENOCK	9 9	61	-	-	-	-	-	-	-	-	-	-	70	64	20	22	11	8	-	-	-	-	-	-	-	-	-	-	6.15	122	-
HELENSBURGH	9 9	89	19.1	10.5	14.8	+0.5	27.5	7	6.0	29	-	-	87	82	22	15	11	9	-	0	-	-	0	0	-	-	-	-	6.40	-	-
HUNTERSTON	9 9	8	19.4	12.1	15.7	-	27.0	10	8.8	27,28	-	-	55	-	12	15	12	9	0	0	0	0	1	0	0	-	-	0	-	-	-
KILDONAN	9 9	18	18.8	11.2	15.0	-	25.8	10	7.6	27	-	-	70	-	18	15	15	11	0	-	0	0	2	3	0	0	0	0	7.47	-	-
KNAPDALE FOREST ...	9 9	12	19.8	9.6	14.7	-	28.0	4,7	5.2	29	-	-	97	-	28	22	15	9	0	0	0	0	0	0	0	0	-	0	-	-	-
LANARK	9 9	152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEADHILLS	9 9	388	18.0	7.7	12.9	-	27.0	7	2.3	15	-	-	84	72	20	23	13	12	0	0	0	0	1	1	0	2	-	1	-	-	-
MACHRIHANISH	21-9	10	17.3	11.3	14.3	-	24.6	7	6.9	29	-	-	39	44	6	17	13	10	0	0	0	0	1	1	0	0	0	0	6.54	-	-
MILLPORT	9 9	5	19.1	12.0	15.5	-	26.0	10	8.1	27	-	-	87	96	32	8	14	9	0	0	0	0	1	0	0	-	-	0	-	-	-
PAISLEY	9 9	32	21.1	12.1	16.6	+1.5	30.0	7	7.7	27	16.6	14.0	48	60	15	22	11	7	0	0	0	0	0	0	0	0	-	0	6.67	135	-
PRESTWICK	21-9	16	19.9	10.9	15.4	-	27.5	11	5.1	31	-	-	37	44	9	15	13	10	0	0	0	0	2	0	0	0	0	0	7.81	-	-
RHUVAAL	21-9	20	17.0	11.5	14.3	-	23.0	7	9.0	15	-	-	71	66	20	22	16	11	0	0	0	0	0	0	0	0	0	0	-	-	-
ROTHESAY	9 9	43	20.0	11.4	15.7	-	28.0	7	7.0	29	14.9	12.9	79	70	23	22	14	12	0	0	0	0	0	0	0	0	-	0	-	-	-
SLOY	21-9	12	19.9	11.4	15.7	-	28.1	7	5.5	29	-	-	103	-	32	23	10	10	0	-	0	0	0	0	0	0	-	0	-	-	-
STRONACHULLIN	9 9	2	18.9	11.0	14.9	-	26.4	7	7.4	1	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	-	0	-	-	-
TIREE	21-9	9	16.7	11.1	13.9	+0.5	22.5	6	7.5	1	-	-	53	62	10	7	15	10	0	0	0	0	2	0	0	0	0	1	5.63	108	-
CENTRAL																															
ARROCHYMORE	9 9	30	20.1	10.7	15.4	-	28.0	7	5.0	27,29	-	-	67	-	19	22	9	7	-	0	-	-	-	0	0	2	-	-	6.05	-	-
CALLANDER	9 9	107	20.1	10.2	15.1	-	28.2	7	4.0	27	-	-	81	73	25	17	11	8	0	0	0	0	0	0	0	0	-	0	-	-	-
EARLS HILL	21-9	335	17.5	8.9	13.2	-	26.8	7	4.3	27	-	-	91	-	41	17	9	9	0	-	0	0	0	3	0	1	0	1	6.74	-	-
FALKIRK	9 9	3	19.7	10.9	15.3	-	27.2	7	6.2	27	-	-	28	-	13	22	8	5	0	-	0	0	0	-	0	-	-	0	5.99	-	-
GRANGEMOUTH	9 9	4	19.8	12.0	15.9	-	28.5	7	7.5	27	-	-	27	-	11	22	9	6	-	-	-	-	-	0	0	-	-	-	-	-	-
PARKHEAD	9 9	107	20.3	10.3	15.3	-	29.2	7	5.4	29	16.6	-	56	-	28	17	8	8	-	-	-	-	-	0	0	-	-	-	-	-	-
STIRLING(BATTERFLATS)	9 9	38	21.0	10.0	15.5	-	29.5	7	4.0	27	16.1	14.2	56	-	33	17	9	5	0	0	0	0	0	0	0	2	-	0	7.08	-	-
DUMFRIES & GALLOWAY																															
BARGRENNAN	9 9	110	19.7	9.8	14.7	-	29.1	7	3.1	29	-	-	55	54	24	17	14	11	0	0	0	0	2	3	0	0	-	0	-	-	-
CLATTERINGSHAWS	9 9	178	19.0	9.8	14.4	-	27.4	7	3.6	15	-	-	49	38	19	17	13	9	0	0	1	0	1	0	0	-	-	0	6.90	-	-
DUMFRIES	9 9	49	20.1	11.1	15.6	+1.1	29.0	7	4.5	15	15.8	14.0	23	27	10	17	9	6	0	0	0	0	2	0	0	0	-	0	6.97	142	-
DUNDEUGH	9 9	119	20.4	8.9	14.7	-	29.1	7	3.1	15	14.4	-	26	27	10	17	10	7	0	0	0	0	0	0	0	-	-	0	-	-	-
ESKDALEMUIR	21-9	242																													
PSYCHROMETER			18.1	9.1	13.6	-	27.8	7	3.1	17	13.9	12.1	49	43	11	17	12	10	0	0	0	0	2	0	0	0	0	0	6.36	142	-
SCREEN			18.5	9.3	13.9	+0.8	28.6	7	3.5	17	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-
GIRDSTINGWOOD ...	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.18	-	-
GLENLEE	9 9	55	20.9	9.9	15.4	+1.0	30.0	7	3.4	29	-	-	48	49	15	17	10	8	-	0	-	-	-	0	0	3	-	-	-	-	-
GLENLOCHAR BARRAGE	9 9	47	20.3	10.8	15.5	-	28.7	7	4.9	15	-	-	36	38	12	17	11	9	0	0	0	0	1	0	0	-	-	0	-	-	-
PALNURE	9 9	15	19.9	10.4	15.1	-	28.0	7	4.5	29	-	-	45	47	15	17	12	9	0	0	0	0	0	0	0	1	-	0	-	-	-
PENWHIRN	9 9	166	17.9	10.2	14.1	-	25.5	7	3.5	29	-	-	62	57	20	17	14	9	-	-	-	-	-	2	0	0	-	-	7.31	-	-
THREAVE	9 9	73	20.3	10.7	15.5	-	29.2	7	4.9	15	16.6	-	27	29	13	17	10	8	0	0	0	0	1	0	0	1	-	0	-	-	-
2 ENGLAND E & NE																															
NORTHUMBERLAND																															
BOULMER	21-9	23	16.8	10.2	13.5	-	22.3	3	6.3	15	14.3	12.7	15	-	4	26	11	6	0	0	0	0	0	2	0	0	0	0	5.05	-	-
COCKLE PARK	9 9	99	18.1	9.8	13.9	-	24.2	4	5.2	15	14.4	-	14	-	4	26	11	7	0	0	0	0	0	1	0	0	-	0	4.78	-	-
HAYDON BRIDGE	9 9	79	19.2	10.2	14.7	-	27.6	4	4.8	28	16.4	15.0	18	27	3	18	10	9	0	0	0	0	0	0	0	0	-	0	-	-	-
KIELDER CASTLE ...	9 9	201	18.8	8.5	13.7	+0.6	26.9	7	3.5	17	15.1	-	28	23	7	17	13	9	0	0	0	0	0	0	0	0	-	0	-	-	-
LETHAMHILL FARM ...	9 9	76	17.9	8.6	13.3	-	25.6	7	4.6	15	-	-	22	-	5	24	11	6	-	-	-	-	-	-	0	1	-	-	-	-	-
REDESDALE	9 9	238	17.6	8.2	12.9	-	24.5	7	4.1	17	12.8	-	20	-	7	17	10	7	-	0	-	-	-	2	0	1	-	-	5.98	-	-
SEAHOUSES	21-9	11	16.7	11.0	13.9	-	22.0	3	7.6	19	-	-	19	32	6	15	11	7	0	0	0	0	0	2	0	0	0	0	5.09	-	-
STONEHAUGH	9 9	201	18.2	8.6	13.4	-	26.0	4,10	3.3	15,28	-	-	38	-	17	17	12	8	0	0	0	0	0	0	0	1	0	0	-	-	-
TYNE & WEAR																															
CHOPWELLWOOD	9 9	136	18.5	10.2	14.3	-0.3	26.0	4,7	6.0	15	-	-	16	24	5	26	13	5	0	0	0	0	0	0	0	0	-	0	-	-	-
NEWCASTLE WEATHER CENTRE (X)	21-9	75	18.3	11.9	15.1	-	26.0	4	7.5	15	-	-	14	-	6	26	9	6	0	0	0	0	0	0	0	-	0	0	5.34	-	-
TYNEMOUTH	21-9	29	16.3	11.7	14.0	-0.7	22.5	3	7.4	15	-	-	17	29	6	26	13	5	0	0	0	0	0	2	0	0	-	0	4.27	80	-
WASHINGTON	9 9	27	18.3	(10.7)	(14.5)	-	24.7	4	6.6	15	15.0	13.5	14	-	4	18	11	5	0	0	0	0	0	0	0	-	-	0	5.15	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — JULY 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
2 ENGLAND E & NE -CONTINUED																															
DURHAM																															
DURHAM	9 9	102	18.8	10.3	14.5	-0.4	25.8	7	5.3	15	15.4	13.5	9	16	3	26	8	4	-	0	-	-	-	0	0	0	-	-	4.38	88	S
LOW ETHERLEY	9 9	155	18.3	9.9	14.1	-	26.2	4	4.5	15	14.6	-	14	-	6	1	8	4	0	0	0	0	0	1	0	0	-	0	-	-	-
WIDDYBANK FELL	9 9	513	16.1	8.1	12.1	-	23.6	4	3.1	15	11.2	-	64	-	38	23	11	7	-	0	-	-	-	4	0	1	-	-	6.26	-	-
CLEVELAND																															
HARTBURN GRANGE ...	9 9	31	18.6	10.0	14.3	-	26.3	4	5.4	15	-	-	9	16	3	23	11	3	0	0	0	0	0	0	0	0	-	0	4.20	-	-
HARTLEPOOL	9 9	9	17.9	11.6	14.7	-0.8	23.5	22	7.8	15	-	-	10	17	3	26	10	3	0	0	0	0	0	1	0	-	-	0	4.60	-	-
NORTH YORKSHIRE																															
ASKHAM BRYAN	9 9	34	19.7	(10.1)	(14.9)	-	26.0	7	3.6	15	-	-	12	23	3	18	7	4	0	0	0	0	0	0	0	-	-	0	5.00	96	-
CAWOOD	9 9	6	19.5	(10.9)	(15.2)	-	25.0	6.7	5.7	28	16.3	15.1	9	16	3	17	6	3	0	0	0	0	0	0	0	0	-	0	5.16	-	-
HIGH MONTHORPE	9 9	175	18.0	10.0	14.0	-	23.2	4	4.9	15	15.0	-	23	34	5	26	10	7	0	0	0	0	0	1	0	0	-	0	5.13	-	-
LEEMING	21-9	32	19.1	11.1	15.1	-	26.5	4	5.4	15	15.6	13.7	11	24	4	19	6	5	0	0	0	0	0	0	0	0	0	0	4.49	-	-
MALHAM TARN	9 9	395	16.8	9.4	13.1	+0.2	24.0	7	5.0	15	13.8	-	88	74	17	1.23	10	9	0	0	0	0	0	2	0	0	-	0	-	-	-
PICKERING	9 9	44	19.2	10.0	14.6	-	25.6	4	3.8	15	-	-	23	38	7	18	7	6	0	0	0	0	0	0	0	1	-	0	-	-	-
SCARBOROUGH	9 9	53	18.2	11.3	14.7	-	22.4	2.3	8.1	15	15.8	14.0	17	31	4	1	9	6	0	0	0	0	0	0	0	0	0	0	5.48	97	-
SILPHO MOOR	9 9	203	17.6	9.9	13.7	-	23.8	4	6.3	30	13.6	-	25	32	4	23.25	16	7	0	0	0	0	0	1	0	0	-	0	4.96	-	-
SNAIZEHOLME	9 9	290	16.6	8.8	12.7	-	24.0	4.7	2.0	15	13.6	-	73	-	27	23	10	8	0	0	0	0	0	1	0	2	-	0	5.27	-	S
WHITBY	9 9	41	17.9	11.2	14.5	-	25.5	4	8.1	30	-	-	21	-	6	26	13	7	0	0	0	0	0	0	0	0	-	0	5.33	-	-
WHITBY(COASTGUARD) ...	21-9	60	16.7	11.1	13.9	-	24.3	4	8.6	30	-	-	18	-	6	26	9	5	0	0	0	0	0	2	0	0	0	0	-	-	-
YORK(HESLINGTON) ...	9 9	20	19.8	11.3	15.5	-	27.1	7	6.2	15	16.0	14.7	18	35	6	18	8	6	0	0	0	0	0	0	0	0	-	0	5.25	-	-
HUMBERSIDE																															
BRIDLINGTON	9 9	48	17.4	10.4	13.9	-	22.5	2.23	5.9	30	-	-	15	24	3	1	10	7	0	0	0	0	0	0	0	0	-	0	5.80	-	-
BRIGG	9 9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLEETHORPES	9 9	6	19.2	12.0	15.6	-0.4	26.0	3	8.0	1	-	-	11	20	4	18	5	5	-	0	-	-	-	-	0	0	-	-	5.68	96	-
HULL	9 9	2	19.9	11.7	15.8	-0.5	25.6	3	8.1	15	17.0	15.0	17	28	5	18	7	5	0	0	0	0	0	0	0	0	-	0	5.70	104	-
LINCOLNSHIRE																															
BINBROOK	21-9	108	18.6	10.5	14.5	-	24.3	3.23	6.2	15.29	-	-	15	22	4	25	7	5	0	0	0	0	0	0	0	0	0	0	5.81	-	-
CAISTOR	9 9	55	19.7	10.3	15.0	-	25.2	3	5.0	15	-	-	12	-	4	1	6	3	-	-	-	-	-	-	0	-	-	-	-	-	-
CRANWELL	9 9	62	19.9	11.0	15.5	-0.4	25.3	3	4.8	15	17.2	15.7	16	28	5	19	7	3	0	0	0	0	0	0	0	0	0	0	6.20	107	-
KIRTON	9 9	4	19.7	10.7	15.2	-	26.3	3	3.8	30	15.3	13.2	7	-	3	19	7	3	0	0	0	0	0	0	0	0	0	0	6.31	-	-
LINCOLN	9 9	7	20.0	10.5	15.3	-0.6	25.9	3	3.2	15	16.0	14.7	15	-	9	25	6	4	0	0	0	0	0	0	0	1	0	0	5.96	-	-
SKEGNESS	9 9	5	18.5	11.9	15.2	-0.7	25.1	23	7.0	16	-	-	20	35	5	19	8	6	0	0	0	0	0	0	0	0	0	0	6.34	105	-
SUTTON BRIDGE	9 9	4	(19.9)	(11.3)	(15.6)	-	26.8	23	6.9	30	-	-	5	9	3	24	5	1	0	-	0	0	0	0	0	0	0	0	-	-	-
WADDINGTON	21-9	68	19.8	11.3	15.5	-0.4	25.3	4	6.0	15	-	-	15	28	8	25	7	4	0	0	0	0	0	0	0	0	0	0	5.98	101	-
3 EAST ANGLIA																															
NORFOLK																															
COLTISHALL	21-9	17	19.4	11.9	15.7	-	26.2	23	6.0	16	-	-	13	22	3	26	10	5	0	0	0	0	0	0	0	0	0	0	-	-	-
CROMER	9 9	54	18.6	11.9	15.3	-0.6	25.3	23	8.5	16	-	-	7	10	1	1	8	2	0	0	0	0	0	1	0	0	-	0	6.09	100	-
GORLESTON	9 9	4	18.9	11.9	15.4	-0.7	26.7	23	8.4	27	16.3	14.5	7	12	3	20	5	3	0	0	0	0	0	2	0	-	-	0	4.20	64	-
MARHAM	21-9	23	20.0	11.5	15.7	-	26.3	3	6.7	16	-	-	11	-	5	26	8	4	0	0	0	0	0	0	0	0	0	0	6.62	-	-
MORLEY ST BOTOLPH ...	9 9	48	20.4	10.7	15.5	-	26.3	3	5.0	29	17.2	-	3	-	1	26	4	2	0	0	0	0	0	0	0	0	-	0	6.23	-	-
SANTON DOWNHAM	9 9	24	21.0	(9.9)	(15.5)	-	27.3	3	1.3	30	15.3	13.5	11	16	5	25	7	5	-	-	-	-	-	0	0	3	-	0	6.43	-	-
SCOLE	9 9	27	21.3	11.5	16.4	-	27.9	3	6.0	16	18.5	16.9	9	-	5	26	4	3	0	0	0	0	0	0	0	0	-	0	5.91	-	-
TERRINGTON ST CLEMENT	9 9	3	19.7	11.0	15.3	-0.8	25.7	4	5.3	30	16.6	-	6	11	3	24	7	2	0	0	0	0	0	0	0	0	-	0	6.28	108	-
CAMBRIDGESHIRE																															
BOXWORTH	9 9	53	20.3	11.2	15.7	-	25.7	3	6.2	30	-	-	7	13	2	25	5	4	0	0	0	0	0	0	0	0	-	0	6.57	-	-
CAMBRIDGE																															
BOTANIC GARDEN ...	9 9	12	21.3	11.5	16.4	-0.3	27.3	4	7.0	16.30	(17.4)	(14.7)	6	10	2	25	5	3	0	0	0	0	0	0	0	0	-	0	-	-	-
NATIONAL INSTITUTE OF AGRICULTURAL BOTANY	9 9	26	(21.3)	(10.2)	(15.7)	-	26.3	3	5.1	30	-	-	5	8	2	25	3	3	0	0	0	0	0	0	0	0	-	0	6.73	112	-
MARCH	9 9	2	20.7	11.5	16.1	-	26.7	4	6.5	30	-	-	10	18	4	25	7	3	-	0	-	-	-	-	0	-	-	0	-	-	-
MEPAL	9 9	-2	20.5	10.8	15.7	-	26.5	4	4.5	30	16.1	12.7	14	-	9	25	7	3	0	0	0	0	0	0	0	0	-	0	6.04	-	-
WITTERING	9 9	73	20.2	11.3	15.7	-	25.2	3,4	6.2	15	-	-	6	-	2	24	6	2	0	0	0	0	0	0	0	0	-	0	6.10	-	-
WYTON	21-9	40	20.4	11.7	16.1	-	26.6	4	6.6	30	-	-	7	13	2	25	6	3	0	0	0	0	0	0	0	0	0	0	-	-	-
SUFFOLK																															
ALDEBURGH	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.01	-	-
BROOMS BARN	9 9	75	20.7	11.2	15.9	-	27.1	6	5.5	29	17.2	15.4	7	12	4	25	3	2	0	0	0	1	0	0	0	-	-	0	6.41	-	-
EAST BERGHOLT	9 9	4	22.8	11.1	16.9	-	29.6	6	5.0	16	-	-	0	1	<1	25	1	0	0	0	0	2	1	0	0	-	-	0	-	-	-
HAUGHLEY	9 9	58	20.5	11.1	15.8	-	26.8	23	6.7	16.29	(16.2)	-	7	-	5	25	4	2	0	0	0	1	0	0	0	-	-	0	-	-	-
HONINGTON	21-9	50	21.1	11.3	16.2	-	27.6	6	6.8	29	-	-	8	13	5	25	5	2	0	0	0	0	0	0	0	0	0	0	5.94	-	-
LOWESTOFT	9 9	25	18.8	12.3	15.5	-0.7	26.9	23	8.6	27	16.0	14.8	13	25	4	25	7	4	0	0	1	0	1	1	0	0	0	0	4.69	72	-
WATTISHAM	21-9	89	20.8	10.8	15.8	-	27.3	23	6.1	29	-	-	5	9	3	25	4	1	-	0	-	-	-	0	0	0	0	-	6.20	-	-
BEDFORDSHIRE																															
CARDINGTON	21-9	29	21.1	10.5	15.8	-	27.0	3	2.5	15	16.1	14.5	6	13	3	20	4	2	0	0	0	0	0	0	0	2	0	0	6.57	-	-
LUTON	9 9	159	20.5	11.3	15.9	-	26.4	5	6.9	15	17.0	14.7	6	10	3	25	3	3	-	0	-	-	-	0	0	-	-	-	6.13	-	-
SILSOE	9 9	61	20.7	10.6	15.7	-0.6	26.2	6	3.4	30	16.3	14.1	2	5	1	24	3	1	0	0	0	0	0	0	0	0	0	-	6.03	99	-
WOBURN	9 9	89	20.7	10.3	15.5	-0.5	26.2	3	3.2	30	16.3	13.1	6	11	3	25	3	3	0	0	0	0	0	0	0	3	-	0	6.03	104	-
HERTFORDSHIRE																															
ALDENHAM SCHOOL ...	9 9	91	21.2	11.2	16.2	-	28.3	3	4.8	15	17.8	-	13	21	3	20	7	6	0	0	0	1	0	0	0	0	0	0	-	-	-
GARSTON	9 9	78	20.9	11.3	16.1	-	26.9	3	6.6	15	-	-	8	14	2	17	7	5	0	0	0	0	0	0	0	0	0	0	7.30	-	-
HODDESDON	9 9	43	21.7	11.7	16.7	-	28.6	6	7.7	15	18.2	-	13	21	8	25	7	4	0	0	0	0	0	0	0	-	-	0	6.15	-	-
ROTHAMSTED	9 9	128	20.2	10.6	15.4	-0.5	26.3	3	6.1	15	15.2	13.2	7	12	2	25	8	3	0	0	0	0	0	0	0	0	0	0	6.39	111	-
ST ALBANS	9 9	83	20.7	11.3	16.0	-0.3	26.5	3	6.7	15	15.8	-	7	12	2	25	8	4	0	0	0	0	0	0	0	0	0	0	6.80	-	-
STANSTEAD ABBOTTS ...	9 9	30	(21.6)	(11.5)	(16.5)	-	28.0	6	7.1	29	(17.5)	(16.1)	13	23	7	26	5	3	-	0	-	-	-	0	0	0	-	0	-	-	-
ESSEX																															
CLACTON-ON-SEA	9 9	16	20.4	12.1	16.3	-0.6	24.4	23	8.7	29	16.2	14.6	10	19	3	25	6	4	0	0	0	1	0	0	0	-	-	0	6.57	99	-
HALSTEAD	9 9	70	21.3	11.5	16.4	-	26.8	4.23	7.4	29	16.8	15.1	8	-	6	20	5	2	0	0	0	1	0	0	0	0	0	0	-	-	-
HARLOW	9 9	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITTLE PARNDON	9 9	54	21.1	11.7	16.4	-	26.6	3.6	6.9	29	-	-	13	23	5	20	8	5	0	0	0	0	0	0	0	-	-	0	-	-	-
MALDON	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOEBURYNESS	21-9	2	20.5	12.8	16.7	-0.4	26.5	23	8.5	15.29	-	-	18	38	5	20	8	8	0	0	0	2	0	0	0	0	0	0	6.59	98	-
STANFORD-LE-HOPE ...	9 9	6	21.3	11.7	16.5	-	27.5	6	7.0	16	-	-	21	-	7	8	7	5	0	-	0	1	0	0	-	-	-	0	6.54	-	-
STANSTED	21-9	101	20.6	11.6	16.1	-	27.6	6	7.4	29	-	-	4	7	1	20.24	6	2	0	0	0	0	0	0	0	0	0	0	-	-	-
WRITTLE	9 9	32	21.3	11.0	16.1	-0.4	27.3	6	5.4	16	16.5	-	8	14	3	25	5	4	0	0	0	0	0	0	0	0	-	0	5.90	97	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — JULY 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HIGHT OF OBSERVATION MAX.	TERMINAL HIGHT OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
4 MIDLAND COUNTIES																																
WEST YORKSHIRE																																
BRADFORD	9	9	134	18.5	11.3	14.9	-0.3	25.5	7	6.5	15	14.9	13.4	22	33	8	25	8	5	0	0	0	0	0	0	0	-	0	5.42	104	S
BRAMHAM	9	9	54	19.3	10.2	14.7	-	25.7	7	4.8	15	-	-	14	25	5	17	7	4	0	0	0	0	0	0	0	-	0	-	-	-
HUDDERSFIELD																																
OAKES	21-9		232	19.0	10.3	14.7	-0.4	26.8	7	6.8	15	14.2	11.6	20	26	5	17	9	6	0	0	1	0	2	0	2	0	2	-	-	-
RAVENSKNOWLE	9	9	99	19.3	11.5	15.4	-0.3	26.5	7	6.0	15	15.8	14.2	12	19	6	25	7	3	0	0	0	0	0	0	0	0	0	-	-	-
ILKLEY	9	9	83	19.0	10.8	14.9	-0.5	26.5	7	7.0	15	-	-	15	22	4	1	7	7	0	0	0	0	0	0	0	-	0	5.27	107	-
TODMORDEN	9	9	160	18.3	10.8	14.5	-	26.7	7	4.2	15	-	-	31	-	9	17	7	7	0	0	0	0	0	0	0	-	0	-	-	-
PONTEFRACT	9	9	78	19.6	11.4	15.5	0.0	26.1	7	6.5	15	-	-	15	26	9	25	5	3	0	0	0	0	1	0	0	-	0	-	-	-
WILSDEN	9	9	262	17.6	10.0	13.8	-	26.0	4	5.0	15	-	-	24	-	7	25	7	5	0	0	0	0	1	0	0	0	0	-	-	-
SOUTH YORKSHIRE																																
FINNINGLEY	21-9		10	20.5	11.1	15.8	-	27.0	4	6.0	15	-	-	13	23	8	25	7	3	0	0	0	0	0	0	0	0	0	5.60	-	-
SHEFFIELD																																
DORE	9	9	206	19.4	11.2	15.3	-	26.5	7	6.2	15	-	-	14	-	4	17	9	5	0	0	0	0	0	0	0	-	0	-	-	-
WESTON PARK	9	9	131	19.6	11.8	15.7	-0.3	26.6	4	6.0	15	15.6	13.9	9	16	3	17	7	3	0	0	0	0	-	0	-	-	0	5.75	112	-
DERBYSHIRE																																
ASHOVER	9	9	178	19.5	10.8	15.1	-	26.7	7	3.7	15	-	-	15	-	4	25	10	3	0	0	0	0	0	0	0	-	0	5.79	-	-
BUXTON	9	9	307	-	-	-	-	-	-	-	-	15.6	12.7	49	47	11	24	12	10	0	0	0	0	1	-	-	-	0	-	-	S
DERBY	9	9	48	20.5	12.0	16.3	-	26.9	4.7	6.4	15	-	-	24	42	12	25	9	5	0	0	0	0	0	0	0	-	0	5.29	-	S
MORLEY	9	9	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WINGERWORTH	9	9	126	19.7	10.4	15.1	-	26.7	7	3.6	15	16.1	-	14	-	6	25	9	4	0	0	0	0	0	0	1	-	0	5.85	-	S
NOTTINGHAMSHIRE																																
MANSFIELD	9	9	114	19.6	11.2	15.4	-0.5	26.0	7	5.5	15	-	-	12	-	6	24	5	3	0	0	0	0	0	0	0	-	0	-	-	-
NEWTHORPE	9	9	58	(20.0)	(11.2)	(15.6)	-	25.9	4.19	6.6	15	-	-	12	-	5	25	6	5	-	-	-	-	-	-	0	-	-	-	-	-
NOTTINGHAM	9	9	59	(19.9)	(11.9)	(15.9)	(-0.6)	26.0	7	6.0	30	16.3	14.8	18	32	8	19	7	5	-	-	-	-	-	-	0	-	-	(5.77)	(115)	-
SUTTON BONINGTON	9	9	48	19.9	11.3	15.6	-0.3	25.7	4	3.3	15	15.7	14.2	15	29	7	19	7	3	0	0	0	0	0	0	1	0	0	5.66	104	-
WARSOP	9	9	46	21.1	10.0	15.5	-	28.0	7	1.4	15	-	-	6	12	2	24.25	7	2	0	0	0	0	0	0	1	-	0	5.33	-	-
WATNALL	21-9		117	19.8	11.3	15.5	-0.2	26.3	4	6.1	15	-	-	17	28	8	25	8	4	0	0	0	0	0	0	0	0	0	5.42	103	-
STAFFORDSHIRE																																
KEELE	9	9	179	18.9	11.0	14.9	-	26.5	7	6.3	15	15.2	13.1	20	28	6	24	10	6	0	0	0	0	1	0	0	0	0	5.56	-	S
OAKEN	9	9	125	20.0	10.5	15.3	0.0	27.0	7	5.1	15	16.4	-	11	18	5	19	6	4	0	0	0	0	0	0	0	0	0	-	-	S
PENKRIDGE	9	9	101	19.7	9.8	14.7	-	26.2	7	2.6	15	-	-	14	23	6	19	9	5	0	0	0	0	0	0	0	-	0	-	-	-
STONE	9	9	107	19.2	10.8	15.0	-	26.8	7	2.6	15	-	-	10	15	2	25	11	6	0	0	0	0	0	0	2	-	0	5.93	-	-
LEICESTERSHIRE																																
CALDECOTT	9	9	52	20.3	10.6	15.5	-	26.4	3	2.5	30	-	-	8	17	2	19	6	4	0	0	0	0	0	0	0	-	0	5.89	-	-
NEWTOWN LINFORD	9	9	119	20.1	10.5	15.3	-	26.6	4	3.3	15	-	-	15	25	5	19	7	4	0	0	0	0	0	0	1	-	0	6.19	-	-
SALOP																																
HAMPTON LOADE	9	9	64	20.3	11.0	15.7	-	26.6	7	4.0	15.28	-	-	8	-	5	19	6	3	-	-	-	-	-	-	-	-	-	6.33	-	-
NEWPORT	9	9	64	20.4	11.1	15.7	+0.4	27.7	7	3.3	28	-	-	11	18	5	19	7	5	0	0	0	0	0	0	0	-	0	6.11	117	-
OSWESTRY	9	9	174	19.3	10.9	15.1	0.0	26.3	7	5.5	28	-	-	9	13	5	17	6	3	0	0	0	0	0	0	0	-	0	5.67	108	S
PRESTON MONTFORD	9	9	67	20.6	10.7	15.7	-	26.3	8	3.8	15	16.4	14.4	8	-	3	24	8	3	0	0	0	0	0	0	2	-	0	(6.39)	-	-
SHAWBURY	21-9		72	20.3	10.8	15.5	-0.2	27.0	4	3.8	15	-	-	9	14	3	24	7	5	0	0	0	0	0	0	2	0	0	5.56	103	-
SHREWSBURY	9	9	56	20.4	11.4	15.9	-0.2	26.9	4.7	5.3	15	17.8	16.1	10	18	4	24	7	3	0	0	0	0	0	0	0	-	0	5.54	104	-
WEST MIDLANDS																																
BIRMINGHAM																																
EDGBASTON	21-9		163	19.8	11.9	15.9	-0.1	26.3	4	8.1	15	13.8	-	9	13	2	17	8	5	0	0	0	0	0	0	1	0	0	6.15	116	-
ELMDON AIRPORT	21-9		96	20.3	11.1	15.7	-0.2	26.0	7	3.0	15	-	-	4	-	1	17	4	2	0	0	0	0	0	0	1	0	0	6.04	106	-
KING EDWARD SCHOOL	9	9	137	20.3	10.4	15.3	-	26.1	7	2.0	21	-	-	23	38	15	25	5	4	-	0	-	-	-	0	0	-	-	-	-	-
COVENTRY AIRPORT	9	9	81	20.3	10.8	15.5	-	26.2	6	2.8	15	14.8	-	8	-	3	25	6	4	0	0	0	0	0	0	-	-	0	6.53	-	-
WARWICKSHIRE																																
LONG LAWFORD	9	9	87	20.6	10.7	15.7	-	26.0	4.6	2.6	15	16.8	-	5	-	2	24	4	3	0	0	0	0	0	1	0	1	-	0	-	-	-
LUDDINGTON	9	9	56	21.1	11.2	16.1	-	26.8	4	4.1	15	-	-	6	-	2	20	6	3	0	0	0	0	0	0	0	-	0	6.14	-	-
MORETON MORRELL	9	9	85	20.3	11.1	15.7	-	25.9	3	4.1	15	-	-	4	8	1	17	4	2	0	0	0	0	0	0	2	-	0	6.09	-	-
RUGBY	9	9	117	20.5	11.2	15.9	-0.2	25.9	3	5.2	15	17.6	15.3	4	7	2	26	2	2	0	0	0	0	0	0	0	0	0	-	-	-
SHIPSTON-ON-STOUR	9	9	111	20.6	11.0	15.8	-0.2	25.9	4	5.6	15	15.0	-	13	24	7	20	6	5	0	0	0	0	0	0	1	-	0	6.09	106	-
STRATFORD-UPON-AVON	9	9	49	20.8	11.0	15.9	-0.2	26.7	4	3.5	15	17.1	-	5	9	1	17	6	3	-	0	-	-	-	0	0	0	-	6.05	108	-
WELLESBOURNE	9	9	47	20.9	10.9	15.9	-	26.6	4	2.9	15	16.3	14.9	4	7	1	17.24	4	2	-	0	-	-	-	0	0	0	-	(6.29)	-	-
NORTHAMPTONSHIRE																																
BUGBROOKE MILLS	9	9	69	20.4	11.2	15.8	-	26.6	4	4.5	28	14.8	-	5	9	3	25	5	2	0	0	0	0	0	0	-	-	0	5.85	-	-
MOULTON PARK	9	9	122	19.9	10.9	15.4	-	25.6	4	5.0	15	16.2	14.2	6	-	3	25	4	3	0	0	0	0	0	0	0	-	0	6.26	-	S
RAUNDS	9	9	59	20.9	10.9	15.9	-0.4	26.6	3	3.6	15	16.9	13.8	4	8	2	24	4	3	0	0	0	0	0	0	0	-	0	5.70	103	-
HEREFORD & WORCESTER																																
ASTWOOD BANK	9	9	139	20.7	11.1	15.9	-	26.5	7	6.2	15	-	-	7	-	3	17	6	3	0	0	0	0	0	0	0	-	0	-	-	-
HEREFORD	9	9	52	21.7	11.2	16.5	-	27.7	7	6.1	15	17.1	15.1	7	15	3	1	5	3	0	0	0	0	0	0	1	-	0	7.13	-	-
LYONSHALL	9	9	155	20.3	11.2	15.7	+0.1	26.0	3.7	5.0	15	-	-	9	14	4	17	7	4	-	-	-	-	-	0	1	-	0	-	-	-
MALVERN	9	9	62	21.1	12.3	16.7	-	26.9	7	8.4	30	17.1	14.4	7	12	2	24	7	4	0	0	0	0	0	0	0	-	0	6.42	108	-
PERSHORE																																
COLLEGE OF HORT.	9	9	40	21.2	12.0	16.6	-	26.9	6	6.3	15	17.5	-	11	20	5	20	6	5	0	0	0	0	0	0	0	-	0	6.42	-	-
ROYAL RADAR EST.	21-9		35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRESTON WYNNE	9	9	84	20.7	10.6	15.7	-	26.3	7	5.3	15	-	-	11	21	4	24	9	3	0	0	0	0	0	1	0	1	-	0	6.35	-	-
GLOUCESTERSHIRE																																
CHELTENHAM	9	9	65	21.5	11.1	16.3	-0.6	28.0	5	6.1	15	-	-	24	45	8	1	9	7	0	0	0	0	0	0	-	-	0	6.29	111	-
INNSWORTH	21-9		21	21.1	12.1	16.6	-	27.0	4.6	6.4	30	-	-	12	-	3	1	6	6	0	0	0	0	0	0	0	0	0	6.76	-	-
OXFORDSHIRE																																
BENSON	21-9		67	21.3	11.3	16.3	-	27.7	4	5.5	15	-	-	21	-	8	24	9	4	0	0	0	0	1	0	0	-	0	7.07	-	-
BRIZE NORTON	21-9		81	20.8	11.4	16.1	-	26.5	6	5.9	15	-	-	9	-	4	24	6	5	0	0	0	0	1	0	0	0	0	6.43	-	-
LETCOMBE REGIS	9	9	107	20.8	10.8	15.8	-	26.9	5	4.5	30	17.4	-	19	34	7	12	8	8	0	0	0	0	1	0	0	-	0	-	-	-
OXFORD	9	9	63	21.0	12.0	16.5	-0.4	26.7	3	6.6	15	17.6	15.5	6	10	2	25	8	2	0	0	0	0	1	0	0	0	0	6.25	105	-
SHIRBURN(MODEL FARM)	9	9	108	20.7	10.8	15.7	-	26.4	4	4.1	30	-	-	11	-	3	25	9	5	0	0	0	0	1	0	0	0	-	-	-	-
WALLINGFORD	9	9	48	20.9	10.7	15.8	-	26.4	4.5.6	4.1	30	16.1	14.2	22	42	7	24	9	5	0	0	0	0	0	0	1	-	0	6.28	-	-
BUCKINGHAMSHIRE																																
AYLESBURY	9	9	96	20.9	11.0	15.9	-0.3	27.3	4	4.6	30	-	-	9	16	3	27	6	3	0	0	0	0	1	0	0	-	0	6.40	109	S
GRENDON UNDERWOOD	9	9	67	20.5	10.0	15.3	-	26.3	4	2.0	30	15.8	13.7	5	9	3	25	8	2	0	0	0	0	0	1	0	3	-	0	5.78	-	S
MEDMENHAM	9	9	30	21.3	10.3	15.8	-	26.7	5.6	3.3	16	-	-	15	24	6	24	7	4	-	-	-	-	-	-	0	1)	-	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — JULY 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL (T) OR OBSERVATION (O) MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE (TERMINAL H 09 GMT) 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	RAINFALL MOST IN A DAY AMOUNT (MM)	RAINFALL MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
5 ENGLAND SE & CENTRAL S.																																
GREATER LONDON																																
BROMLEY	T T	65	21.6	12.7	17.1	-0.2	27.0	3.6.23	9.0	29	-	-	17	31	8	17	7	4	-	0	-	-	-	-	0	-	-	-	-	-	-	-
ENFIELD	T T	17	21.8	13.3	17.5	-	28.3	6	9.5	15	16.6	13.8	18	-	5	25	10	4	0	0	0	0	1	0	0	0	-	0	-	-	-	-
GREENWICH	T T	7	21.7	13.3	17.5	-	27.8	6	10.0	15	-	-	17	32	5	17	7	5	0	0	0	0	0	0	0	-	-	0	6.47	-	-	-
HAMPSTEAD	T T	137	(20.7)	(11.9)	(16.3)	(-0.4)	26.6	3	7.4	15	-	-	13	20	5	24	7	4	0	0	0	0	0	0	0	-	-	0	(6.65)	(109)	S	
HAMPTON	T T	12	21.7	12.9	17.3	-0.1	28.4	6	8.0	15	-	-	10	17	5	17	5	3	0	0	0	0	0	0	0	-	-	0	7.01	109	-	
HARROW WEALD	T T	98	21.2	11.1	16.1	-	27.5	6	7.0	15	17.4	15.3	12	-	4	17	8	4	-	-	-	-	-	-	0	-	-	-	-	-	-	-
HEATHROW AIRPORT	T T	25	22.4	12.7	17.5	+0.1	28.6	6	8.8	15	-	-	10	18	5	17	7	3	0	0	0	0	0	0	0	0	0	0	6.79	-	-	-
KENSINGTON PALACE	T T	25	21.7	12.9	17.3	-0.4	28.2	3.6	9.3	15	18.2	16.1	18	28	6	17	8	5	0	0	0	0	0	0	0	0	-	0	-	-	-	-
KEW	T T	6																														
PSYCHROMETER			21.5	12.4	16.9	-	27.6	6	6.5	15	16.1	14.1	11	18	5	17	6	4	0	0	0	0	0	0	0	1	0	0	7.21	114	-	
NORTH WALL SCREEN			21.7	13.1	17.4	-0.1	28.4	3	9.1	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LONDON																																
WEATHER CENTRE (X)	T T	77	21.7	13.6	17.7	-	28.5	3	10.0	15	-	-	14	-	5	17	7	4	0	0	0	0	0	0	0	-	-	0	6.73	113	-	
ST JAMES PARK	T T	4	22.1	13.3	17.7	-0.2	28.4	6	10.0	15	-	-	17	29	5	17	7	5	-	0	-	-	-	-	0	0	-	-	-	-	-	-
SOUTHGATE	T T	67	21.1	11.9	16.5	-0.6	27.2	6	7.4	15	16.2	-	16	25	4	17	9	6	0	0	0	0	0	0	-	-	-	0	6.75	123	-	
WADDON	T T	59	(21.6)	12.6	(17.1)	(0.0)	(27.5)	3	8.5	16	-	-	13	23	5	25	7	4	-	-	-	-	-	-	0	-	-	-	-	-	-	-
WEALDSTONE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WILTSHIRE																																
BOSCOMBE DOWN	T T	126	20.8	11.1	15.9	-0.2	26.6	6	7.2	15.16	-	-	18	38	6	25	7	4	0	0	0	0	0	0	0	0	0	0	7.34	118	-	
LACOCK	T T	49	20.8	10.9	15.9	-	26.4	3	5.0	15	-	-	18	33	11	12	7	5	-	0	-	-	-	-	0	0	-	-	-	-	-	-
LARKHILL	T T	132	20.7	10.9	15.8	-0.1	27.0	4	5.4	16	-	-	16	33	5	25	7	4	0	0	0	0	1	0	0	0	0	0	-	-	-	-
LYNEHAM	T T	145	20.4	11.4	15.9	0.0	26.4	5	7.3	15	-	-	29	54	18	12	9	4	0	0	0	0	1	1	0	0	0	0	6.74	-	-	-
PORTON	T T	110	20.8	10.5	15.7	-0.1	26.3	6	5.0	16	15.6	-	18	37	6	25	6	4	-	0	-	-	-	-	0	1	0	0	7.07	111	-	
TROWBRIDGE	T T	37	21.6	11.7	16.7	-	28.4	5	6.7	15	16.7	-	27	-	18	12	6	5	0	0	0	0	2	0	0	0	-	0	-	-	-	-
UPAVON	T T	179	20.6	11.0	15.8	-	26.8	5	7.2	15	-	-	11	21	4	17	6	3	0	0	0	0	1	0	0	0	0	0	-	-	-	-
BERKSHIRE																																
EASTHAMPSTEAD	T T	77	21.3	10.5	15.9	-	27.2	6	1.8	15	16.3	14.6	10	-	3	20	7	5	0	0	0	0	2	0	0	1	0	0	6.88	-	-	-
HURLEY	T T	43	21.1	11.1	16.1	-	26.7	6	5.4	16	16.9	-	14	22	5	24	7	5	0	0	0	0	1	0	0	0	-	0	6.79	-	-	-
LAMBOURN(WARREN FARM)	T T	192	(19.9)	10.5	(15.2)	-	25.6	5	5.5	15	15.8	-	22	-	9	12	8	6	-	0	-	-	-	-	0	-	-	-	-	-	-	-
READING	T T	66	21.1	11.6	16.3	-	26.9	6	6.4	30	15.8	13.9	17	-	5	17	8	5	0	0	0	0	1	0	0	2	0	0	7.19	-	-	-
SHINFIELD(N.I.R.D.)	T T	62	(21.2)	(11.5)	(16.3)	-	27.0	6	5.9	30	-	-	13	-	7	25	7	4	0	0	0	0	2	0	0	0	-	0	(6.81)	-	-	-
SURREY																																
MERRIST WOOD	T T	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICKLEHAM	T T	55	21.4	10.8	16.1	0.0	27.0	6	4.2	29	17.0	14.9	16	26	7	17	6	3	0	0	0	0	0	0	0	0	-	0	-	-	-	-
WISLEY	T T	35	22.1	11.5	16.8	-0.1	28.2	6	4.4	15	17.1	15.4	13	20	5	25	6	3	0	0	0	0	0	0	0	0	-	0	6.99	111	-	
KENT																																
DOVER R.M.S.	T T	123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUNGENESS	T T	3	18.4	13.2	15.8	-	21.8	8	6.9	15	-	-	27	51	7	17	9	7	0	0	0	0	1	1	0	-	-	0	-	-	-	-
EAST MALLING	T T	32	20.7	12.2	16.5	0.0	25.9	3.6	6.9	16	17.2	15.4	21	38	9	25	6	4	0	0	0	0	1	0	0	0	0	0	6.74	103	-	
ELMSTONE	T T	5	20.4	11.8	16.1	-	25.8	23	4.8	16	-	-	37	68	13	12	9	7	0	0	0	0	2	0	0	0	-	0	-	-	-	-
FAVERSHAM	T T	48	20.1	(12.0)	(16.1)	-	25.8	23	7.9	15	16.7	15.3	47	86	20	27	10	7	0	0	0	0	2	0	0	0	-	0	5.70	-	-	-
FOLKESTONE	T T	31	19.7	12.4	16.1	-	25.1	3	5.1	16	-	15.9	29	46	10	17	8	5	0	0	0	0	1	1	0	0	-	0	7.09	101	-	
GILLINGHAM	T T	4	21.6	12.9	17.3	-	27.5	23	9.4	16	-	-	19	37	6	12	10	4	-	-	-	-	-	-	0	-	-	-	-	-	-	-
GOUDHURST	T T	85	20.4	11.4	15.9	-0.2	25.9	3	5.1	15	-	-	31	51	11	8	11	6	0	0	0	0	0	0	0	0	-	0	-	-	-	-
HADLOW COLLEGE	T T	30	21.0	11.2	16.1	-	26.6	3	3.8	16	16.3	14.7	14	-	7	17	6	3	0	0	0	0	1	0	0	0	-	0	(6.02)	-	-	-
HERNE BAY	T T	31	19.1	12.8	15.9	-	26.5	23	8.5	16	16.9	-	49	-	25	12	8	7	0	0	0	0	1	0	0	0	-	0	6.58	97	-	
MANSTON	T T	44	19.4	12.8	16.1	-	25.6	23	8.0	16	-	-	43	83	16	12	9	4	0	0	0	0	3	0	0	0	0	0	6.34	-	-	-
MARGATE	T T	16	18.5	13.6	16.1	-1.1	25.3	23	9.7	16	16.9	15.2	25	51	7	8	10	6	0	0	0	0	2	0	0	0	-	0	6.43	91	-	
ULCOMBE	T T	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYE	T T	56	20.2	11.9	16.1	-0.4	25.8	3	7.8	16	16.4	15.0	35	59	9	25	9	5	0	0	0	0	1	2	0	0	-	0	6.05	93	-	
HAMPSHIRE																																
ALICE HOLT LODGE	T T	115	20.9	11.2	16.1	0.0	26.6	6	5.0	15	-	-	21	32	9	25	7	4	0	0	0	0	2	0	0	0	-	0	6.56	-	-	-
EVERTON	T T	16	20.8	12.2	16.5	-	27.6	6	7.3	15	-	-	12	23	7	17	7	4	0	0	1	0	1	0	0	0	-	0	6.85	-	-	-
HAYLING ISLAND	T T	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	1	-	-	-	0	7.04	-	-	-
LECKFORD	T T	117	20.6	10.4	15.5	-0.6	26.2	3	5.0	15	15.1	-	16	28	6	17	7	6	0	0	0	0	0	0	-	-	-	0	6.69	107	-	
LONG SUTTON	T T	145	20.6	10.9	15.7	-	26.4	6	5.3	30	17.4	14.6	24	37	12	25	8	3	0	0	0	0	2	0	0	1	0	0	6.65	107	-	
MARTYR WORTHY	T T	84	21.4	11.0	16.2	-	27.8	6	5.7	15	-	-	16	28	7	17	6	3	0	0	0	0	0	0	0	0	-	0	6.31	-	-	-
SOUTHAMPTON																																
MAYFLOWER PARK	T T	3	22.1	13.0	17.5	+0.2	28.9	6	9.6	15	17.4	15.9	11	-	5	17	6	4	0	0	0	0	0	0	0	0	0	0	7.02	106	-	
WEATHER CENTRE (X)	T T	19	21.8	13.2	17.5	-	28.9	5	9.8	15	-	-	11	-	5	17	8	4	0	-	0	0	0	0	0	-	0	0	-	-	-	-
SOUTHSEA	T T	2	21.1	13.7	17.4	+0.1	28.0	6	9.8	30	17.9	16.4	14	28	7	17	7	3	0	0	0	0	1	0	0	-	-	0	6.89	97	-	
SPARSHOLT	T T	113	(20.5)	(10.6)	(15.5)	-	27.4	3	6.0	15	-	-	16	-	9	17	8	3	0	0	0	0	0	0	0	0	-	0	6.51	-	-	-
ISLE OF WIGHT																																
RYDE	T T	4	20.7	13.7	17.2	-0.1	25.4	4.6	10.5	30	-	-	17	33	9	17	9	5	0	0	0	0	0	0	0	-	-	0	6.51	89	-	
ST CATHERINES POINT	T T	16	19.2	13.1	16.1	0.0	25.6	6	9.4	15	-	-	24	43	13	17	6	4	0	0	0	0	3	2	0	-	-	1	-	-	-	-
SANDOWN	T T	4	20.4	13.1	16.7	-0.3	26.0	6	7.9	3	-	-	15	29	10	17	5	5	0	0	0	0	0	0	0	-	-	0	7.45	98	-	
SHANKLIN	T T	55	19.7	12.7	16.2	+0.3	25.2	6	8.5	15	-	-	19	29	12	18	8	4	0	0	0	0	0	0	0	-	-	0	8.20	103	-	
VENTNOR	T T	135	19.7	13.1	16.4	+0.1	25.6	6	9.6	30	17.2	15.0	32	52	20	17	8	6	0	0	0	0	0	2	0	0	-	0	7.58	103	-	
WEST SUSSEX																																
BOGNOR REGIS	T T	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GATWICK AIRPORT	T T	59	21.2	11.3	16.3	-	27.2	3	6.1	16	-	-	18	31	8	17	8	4	0	0	0	0	0	0	0	0	0	0	7.11	-	-	-
HURSTPIERPOINT	T T	30	21.4	10.9	16.1	-	27.6	6	4.0	16	-	-	35	-	9	17	10	8	-	-	-	-	-	-	0	-	-	-	-	-	-	-
LITTLEHAMPTON	T T	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH HEATH	T T	21	22.0	11.0	16.5	-	28.2	6	5.0	15	17.1	14.7	25	-	8	17	7	6	0	0	0	0	0	0	0	0	-	0	7.03	-	-	-
ROGATE	T T	64	21.3	11.3	16.3	-	27.0	6	7.6	3	18.0	-	22	-	10	17	7	4	0	0	0	0	0	0	0	0	-	0	-	-	-	-
RUSTINGTON	T T	8	20.6	12.1	16.3	-	27.2	6	6.0	16	-	15.9	31	-	11	17	8	7	-	0	-	-	-	-	0	-	-	-	-	-	-	S
WORTHING	T T	2	21.2	12.2	16.7	-	28.0	5	7.6	15	18.3	-	28	-	13	17	7	6	0	0	0	0	0	1	0	0	-	0	7.09	-	-	-
EAST SUSSEX																																
BEXHILL	T T	4	20.0	13.2	16.6	+0.1	26.3	5	8.0	16	17.5	15.3	29	55	12	17	10	4	0	0	0	0	1	1	0	0	-	0	6.74	98	-	
BRIGHTON	T T	10	20.4	13.2	16.8	+0.1	27.4	5	8.7	16	-	16.6	29	54	11	17	9	7	0	0	0	0	1	0	0	0	-	0	7.15	104	-	
EASTBOURNE	T T	7	19.9	13.5	16.7	+0.1	25.7	6	10.0	15	17.5	16.0	22	39	11	17	7	5	0	0	0	0	0	0	0	0	-	0	7.35	96	-	
EAST HOATHLY	T T	38	21.0	10.9	15.9	-	27.0	4.5	4.1	16	-	-	26	44	9	17	9	6	0	0	0	0	0	0	0	0	0	0	6.80	-	-	-
HASTINGS	T T	45	20.2	12.9	16.5	0.0	26.6	4	9.0	15	18.8	16.9	35	62	14	17	7	6	0	0	0	0	2	1	0	0	-	0	6.96	100	-	
HERSTMONCEUX	T T	17	20.4	11.7	16.1	-	26.2	4	6.4	16	-	-	28	-	9	17	9	5	0	0	0	0	0	0	0	1	-	0	-	-	-	-
PLUMPTON	T T	76	20.9	11.9	16.4	-	26.3	4	8.0	15.29	-	-	36	46	16	17	8	6	0	0	0	0	0	1	0	0	-	0	7.44	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JULY 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)											BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM				TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY		PRECIP-ITATION		SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE	30 CM DEGREES C	100 CM DEGREES C			AMOUNT (MM)	DATE	0.2 MM OR MORE	1.0 MM OR MORE												
7A ENGLAND NW & I.O.M.																														
CUMBRIA																														
CARLISLE	21-9	26	20.1	11.1	15.6	-	29.1	7	5.0	15	16.9	15.2	33	40	9	24	9	7	0	0	0	0	1	0	0	0	0	0	7.15	-	-
CARTMEL	9 9	34	(19.6)	(6.8)	(13.2)	-	27.5	7	0.4	12	-	-	57	-	15	23	13	9	0	0	0	0	1	0	0	-	-	-	-	-	-
GRIZEDALE	9 9	91	19.7	9.2	14.5	-	27.7	7	2.9	15	14.8	-	70	52	19	23	15	10	0	0	0	0	0	0	0	7	-	0	-	-	-
MOOR HOUSE	9 9	556	15.6	6.9	11.3	-	23.4	7	0.6	15	11.1	-	86	63	41	23	12	9	0	0	0	0	0	2	0	4	-	0	6.05	-	-
NEWTON RIGG	9 9	171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SELLAFIELD	9 9	13	(19.1)	(12.3)	(15.7)	-	27.8	6	7.0	15	-	-	46	56	11	17	12	10	-	0	-	-	-	1	0	0	-	-	(6.46)	-	-
LANCASHIRE																														
HAZELRIGG	9 9	94	18.9	11.5	15.2	-	26.6	4	6.2	15	-	-	59	-	29	23	9	7	0	0	0	0	1	1	0	0	-	1	7.17	-	-
HELMSHORE	9 9	260	17.6	10.7	14.1	-	25.5	4	6.0	15	14.1	-	37	29	10	17	10	6	0	0	0	0	0	0	0	0	-	0	5.72	-	S
KIRKHAM	9 9	24	19.4	11.2	15.3	-	27.0	7	5.1	15	-	-	26	31	7	1	9	6	0	0	0	0	0	0	0	0	-	0	7.34	-	-
MORECAMBE	9 9	7	20.5	12.6	16.5	+0.8	27.2	6	7.1	15	-	-	42	53	17	23	9	6	0	0	0	0	0	0	0	0	-	0	7.67	139	-
PRESTON	9 9	33	19.4	11.8	15.6	-	27.6	7	6.5	15,28	-	-	30	35	9	1	8	7	0	0	0	0	1	0	0	0	-	0	-	-	-
SLAIDBURN	9 9	192	18.4	10.1	14.3	-	25.8	7	5.1	15	-	-	81	69	20	23	12	7	0	0	0	0	1	0	0	0	-	0	6.72	-	-
SQUIRES GATE AIRPORT	21-9	10	19.9	11.8	15.9	+0.4	28.3	6	3.6	15	-	-	24	33	6	17	9	7	0	0	0	0	1	0	1	0	0	0	7.70	126	-
STONYHURST	9 9	115	19.1	(10.9)	(15.0)	(0.0)	28.2	7	5.3	15	-	-	52	47	21	1	10	7	-	0	-	-	-	0	0	0	-	-	6.33	130	-
MERSEYSIDE																														
AIGBURTH	9 9	12	20.3	12.8	16.5	-	26.4	4,7	8.7	15	-	-	21	-	5	24	10	9	0	0	0	0	1	0	0	0	0	0	6.09	-	-
BIDSTON	9 9	60	19.2	12.9	16.1	-	26.2	4,5	9.4	15	-	-	22	-	5	17	10	6	0	0	0	0	2	0	0	0	-	0	6.67	-	-
ST HELENS	9 9	76	20.2	12.0	16.1	-	28.1	7	6.6	15	17.7	-	36	-	15	24	12	8	-	-	-	-	-	0	-	0	-	-	6.42	-	-
SOUTHPORT	9 9	5	19.2	11.3	15.3	-0.2	27.1	6	4.8	15	16.4	13.1	19	26	5	1	8	5	-	-	-	-	-	0	-	0	-	-	-	-	-
SPEKE AIRPORT	21-9	22	20.7	12.1	16.4	+0.2	27.9	7	6.0	15	-	-	20	-	5	17	10	6	0	0	0	0	0	0	0	0	0	0	6.89	130	-
WEST KIRBY PARK	9 9	8	20.4	12.8	16.6	+0.5	27.6	4	8.4	15	-	-	26	38	8	27	12	7	0	0	0	0	0	-	0	0	-	0	-	-	-
GREATER MANCHESTER																														
BOLTON	9 9	107	18.5	11.2	14.9	-	26.2	7	6.0	15	14.9	13.7	38	-	9	18	10	7	0	0	0	0	0	0	0	0	-	0	6.15	123	-
MANCHESTER																														
RINGWAY AIRPORT	21-9	75	19.6	12.1	15.9	+0.2	28.3	7	7.1	15	-	-	37	49	16	24	10	9	0	0	0	0	0	0	0	0	0	0	6.34	127	-
WEATHER CENTRE (X)	21-9	69	19.8	13.0	16.4	-	28.8	7	9.2	15	-	-	34	-	7	1	10	8	0	-	0	0	0	0	-	-	-	0	6.20	-	-
CHESHIRE																														
KNUTSFORD	9 9	65	20.1	11.2	15.7	-	28.5	7	6.8	28	16.4	15.2	43	55	17	23	11	10	0	0	0	0	0	0	0	-	-	0	-	-	-
MACCLESFIELD	9 9	152	19.0	11.1	15.1	-0.3	26.8	4	5.4	15	-	-	37	43	18	24	11	8	0	0	0	0	0	0	0	-	-	0	-	-	-
NESS GARDENS	9 9	55	20.2	11.9	16.1	-	26.9	4,7	6.4	15	17.2	-	17	26	7	25	8	3	0	0	0	0	0	0	0	0	-	0	5.26	-	S
ISLE OF MAN																														
DOUGLAS	9 9	87	18.0	11.8	14.9	+0.6	24.9	7	8.4	15	-	-	48	63	18	17	12	9	0	0	0	0	0	(3)	0	0	-	0	7.09	115	-
POINT OF AYRE	21-9	9	19.0	12.1	15.5	+0.4	23.9	7	6.5	15	-	-	32	54	10	17	10	8	0	0	0	0	0	0	0	-	-	0	7.10	117	-
RONALDSWAY AIRPORT	21-9	16	18.4	11.9	15.1	+0.8	24.8	6	6.4	15	-	-	34	58	11	17	13	9	0	0	0	0	0	2	0	0	0	0	6.80	112	-
7B WALES N																														
GWYNEDD																														
ABER	9 9	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALA	9 9	163	19.0	9.7	14.3	-	26.7	7	2.0	15	16.2	14.8	16	20	5	17	11	5	0	0	0	0	0	0	0	0	-	0	6.05	-	-
BARDSEY ISLAND	21-9	16	16.8	12.5	14.7	-	23.1	5	10.5	4,28	-	-	22	37	6	17	8	5	0	0	0	0	3	0	0	0	0	-	-	-	-
BETWS-Y-COED	9 9	15	-	(10.1)	-	-	-	-	4.0	15	(17.0)	-	29	-	10	17	10	9	-	-	-	-	-	0	-	-	-	-	-	-	-
BOTWNNOG	9 9	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CWMYSTRADLLYN	9 9	204	18.4	11.6	15.0	-	26.0	7	7.5	28	-	-	105	-	21	17	14	11	-	-	-	-	-	0	-	-	-	-	6.32	-	-
LLYN ALAW	9 9	44	18.6	11.8	15.2	-	27.0	5	8.0	28	-	-	35	-	13	17	11	8	-	-	-	-	-	0	-	-	-	-	7.05	-	-
PEN-Y-FFRIDD	9 9	84	19.0	11.8	15.4	-	26.2	5	7.4	15	-	-	33	40	7	17	13	9	0	0	0	0	0	0	0	0	-	0	6.98	-	-
TRAWSFYNYDD	9 9	193	-	(10.7)	-	-	-	-	2.0)	15	-	-	55	43	16	1	12	11	-	0	-	-	-	2	0	0	-	-	-	-	-
VALLEY	21-9	10	19.3	12.7	16.0	+0.9	27.4	7	8.2	28	-	-	21	34	9	17	12	4	0	0	0	0	0	0	0	0	0	0	7.15	119	-
CLWYD																														
ALWEN	9 9	335	17.8	8.7	13.3	-	26.0	7	0.7	15	-	-	39	48	10	25	12	9	-	-	-	-	-	0	1	-	-	-	-	-	-
BWLCHGWYN	9 9	386	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLWYN BAY	9 9	24	18.9	12.6	15.7	-	26.4	4	8.5	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CORWEN	9 9	144	19.6	10.0	14.8	-	26.5	7	4.0	30	-	-	15	31	6	24	10	5	0	0	0	0	0	0	0	-	-	0	7.06	119	-
HAWARDEN BRIDGE	9 9	5	21.1	11.6	16.3	+0.2	28.3	7	5.0	15	-	-	14	20	5	24	10	5	0	0	0	0	-	0	0	-	-	0	-	-	-
LLOGGERHEADS	9 9	210	18.8	10.1	14.5	-	25.7	7	2.8	15	14.8	13.6	13	23	5	25	12	5	0	0	0	0	0	0	0	-	-	0	-	-	-
PRESTATYN	9 9	4	19.5	13.1	16.3	+0.6	27.9	4	9.1	30	-	-	22	30	5	24	10	8	0	0	0	0	0	0	0	1	-	0	6.50	-	S
RUTHIN	9 9	76	19.9	11.3	15.6	-	27.0	7	3.9	15	-	-	11	22	5	17	9	3	0	0	0	0	0	0	0	-	-	0	6.48	120	-
POWYS(NORTH)													10	17	4	24	6	4	0	0	0	0	0	0	0	-	-	0	6.23	-	-
LAKE VYRNWY	9 9	303	18.2	10.1	14.1	+0.1	25.7	7	4.0	15	14.5	-	36	34	15	17	13	7	0	0	0	0	0	0	0	0	-	0	-	-	-
MOEL CYNNEDD	9 9	358	17.9	8.7	13.3	-	24.8	7	1.1	15	13.4	-	69	-	18	17	13	10	0	0	0	0	0	0	0	3	-	0	-	-	-
8A WALES S																														
DYFED																														
ABERPORTH	21-9	134	17.9	12.4	15.1	+0.4	26.3	5	9.0	15	-	-	25	38	11	1	7	4	0	0	0	0	0	2	0	0	0	0	6.77	114	-
ABERYSTWYTH	9 9	4	-	-	-	-	-	-	-	-	-	-	30	35	8	21	5	5	0	0	0	0	0	1	-	-	-	0	-	-	-
BRAWDY	21-9	111	18.2	11.9	15.1	-	24.7	7	8.4	15	-	-	29	-	11	17	10	6	0	0	0	0	0	2	0	0	0	0	7.91	-	-
BRYNAMMAN	21-9	183	20.0	11.5	15.7	-	26.7	7	7.7	15	-	-	34	-	10	1	10	8	0	0	0	0	1	1	0	0	-	0	-	-	-
CARMARTHEN	9 9	15	20.6	11.0	15.8	-	27.5	7	4.8	15	16.2	14.5	25	28	12	17	7	5	0	0	0	0	0	0	0	0	-	0	7.19	-	S
CWMYSTWYTH	9 9	301	17.8	10.1	13.9	-	25.5	4	4.6	15	-	-	113	91	34	1	12	9	0	0	0	0	0	1	0	0	-	0	5.85	-	S
DALE FORT	9 9	33	(19.4)	(13.2)	(16.3)	(+0.8)	24.8	7	10.6	15	(17.8)	-	14	-	5	21	6	4	0	0	0	0	0	1	0	-	-	0	(8.05)	-	-
ESGAIRWEN-UCHAF	9 9	332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOGERDDAN	9 9	31	19.9	11.7	15.8	-	27.1	5	7.0	15	-	-	41	48	15	1	8	6	0	0	0	0	0	0	0	0	-	0	6.74	-	-
LLETY-EVAN-HEN	9 9	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MILFORD HAVEN (CONSERVANCY BOARD)	21-9	37	19.2	12.6	15.9	-	27.4	7	9.4	15	-	-	24	36	7	21	9	6	0	0	0	0	1	0	0	0	0	0	-	-	-
ORIELTON	9 9	61	19.6	12.0	15.8	-	27.4	7	7.5	15	17.1	-	25	35	7	17	10	6	0	0	0	0	1	0	0	0	-	0	-	-	-
SKOKHOLM ISLAND	9 9	35	17.3	12.9	15.1	-	21.5	5	10.7	15	-	-	19	-	6	21	7	4	0	0	0	0	0	1	0	-	-	0	-	-	-
TENBY	- -	-	19.7	11.9	15.8	-	28.0	7	8.0	3,16	-	-	21	-	8	18	7	7	0	0	0	0	1	1	0	-	-	0	7.95	-	-
TRAWSCOED	9 9	61	19.7	11.2	15.5	-	27.1	4	5.8	15	15.8	-	64	75	17	1	10	8	0	0	0	0	2	0	0	-	-	0	6.27	121	-
TREGARON	9 9	178	19.5	10.4	14.9	-	26.6	7	4.5	15	-	-	70	-	16	1	13	9	0	0	0	0	0	0	0	0	-	0	(6.38)	-	-
WHITECHURCH	9 9	130	(19.3)	10.8	(15.1)	-	25.4	4,5	6.6	15	-	-	35	-	17	17	9	5	0	0	0	0	0	1	0	0	-	1	-	-	-
POWYS(SOUTH)																															
CENARTH	21-9	308	18.4	(9.8)	(14.1)	-	25.0	7	2.9	15	-	-	23	-	10	19	9	5	0	0	0	0	0	0	0	3	-	0	-	-	-
LLANGENNY	9 9	122	20.7	11.0	15.9	-	26.5	7	5.3	15	-	-	10	-	4	17	8	2	0	0	0	0	0	-	0	-	-	0	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JULY 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HIGHT) OF OBSERVATION MAX.	MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	BRIGHT SUNSHINE EXPOSURE
8A WALES S CONTINUED																																
WEST GLAMORGAN																																
MUMBLES HEAD	21-9		36	19.4	13.3	16.3	-	25.0	6	10.4	1	-	-	-	-	-	-	0	0	0	0	2	1	0	0	0	1	-			
NEATH	9	9	62	20.3	12.8	16.5	-	27.0	7	7.5	15	-	-	21	21	7	17	8	6	0	0	0	0	1	1	0	0	0	0	-		
PENMAEN	9	9	85	19.8	12.3	16.1	-	26.7	7	8.5	28	17.1	16.1	48	54	29	8	8	5	0	0	1	0	2	1	0	0	0	0	6.94		
PORT TALBOT	9	9	7	21.3	13.2	17.3	-	27.4	4	8.4	30	-	-	14	15	4	17	7	5	0	0	1	0	2	1	0	0	0	0	-		S
SWANSEA	9	9	8	20.1	13.4	16.7	+0.2	27.5	7	10.8	15.21	16.7	17.1	18	21	5	17	8	4	0	0	0	0	0	0	0	0	0	0	-		S
WHITEFORD BURROWS	9	9	6	(20.7)	11.8	(16.3)	-	26.9	7	5.3	15	-	-	10	-	3	1	7	3	0	0	0	0	2	1	0	-	-	0	-		-
MID GLAMORGAN																																
ABERDARE	9	9	174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
CILFYNYDD	21-9		194	20.0	10.9	15.5	-	27.3	7	6.0	15	-	-	24	-	17	17	8	4	0	0	0	0	0	1	0	0	0	0	-		
LLWYNON	9	9	242	19.2	10.4	14.8	-	25.4	7	5.0	15	-	-	29	26	14	17	9	8	0	0	0	0	0	3	0	0	0	0	6.95		S
PORTHCAWL	9	9	6	21.3	13.1	17.2	-	27.0	4	8.5	29	-	-	46	57	12	16	5	5	0	-	0	0	0	1	0	-	-	0	-		S
SOUTH GLAMORGAN																																
BRIDGEND	9	9	43	20.4	11.7	16.1	-	26.9	7	6.4	15	17.2	15.0	18	-	6	17	7	6	-	-	-	-	-	-	-	0	-				
RHOOSE AIRPORT	21-9		67	20.4	11.8	16.1	-	27.0	7	5.9	15	-	-	13	-	4	12	7	5	0	0	0	0	2	1	0	0	0	0	6.89		-
GWENT																																
CRUMBLAND	9	9	245	19.7	11.0	15.3	-	25.0	7	7.2	15	15.0	13.6	7	10	6	17	3	1	0	0	0	0	0	0	0	0	-	0	6.93		
NEWPORT	9	9	23	(21.6)	11.9	(16.7)	-	27.5	7	7.7	28	-	-	14	19	13	17	4	1	0	0	0	0	0	0	0	0	-	0	6.96		
USK	9	9	21	22.0	11.3	16.7	+0.7	28.2	4	4.0	15	18.3	-	7	10	6	17	2	1	0	0	0	0	0	-	0	0	-	0	6.56	117	-
8B ENGLAND SW																																
AVON																																
BATH	9	9	118	20.6	11.3	15.9	-	26.5	4	3.5	18	(16.6)	-	18	30	8	12	6	5	0	0	0	0	0	0	0	-	-	0	-	-	-
FILTON	21-9		59	21.2	12.4	16.8	+0.3	27.1	7	7.6	15	-	-	8	14	4	17	6	3	0	0	0	0	0	0	0	1	0	0	6.82	112	-
LONG ASHTON	9	9	51	21.1	12.0	16.5	+0.2	27.1	4	6.0	15	16.9	-	11	16	5	17	7	4	0	0	0	0	0	1	0	0	-	0	7.14	116	-
SOMERSET																																
CANNINGTON	9	9	23	21.6	12.2	16.9	+0.2	27.5	4.5	6.2	15	18.3	-	18	29	11	12	8	5	0	0	0	0	1	0	0	0	-	0	6.20	93	-
CREWKERNE	9	9	101	20.4	11.9	16.1	-	27.0	5	6.7	15	16.8	-	43	-	20	12	7	7	0	0	0	0	2	-	0	-	-	0	-		
DOWNSIDE ABBEY	9	9	183	20.2	11.5	15.9	-	26.8	5	7.2	15	-	-	38	47	18	12	7	6	0	0	0	0	1	0	0	-	-	0	-		
EXTON	21-9		335	18.9	10.5	14.7	-	25.1	4	6.0	15	-	-	42	-	14	17	13	9	0	0	0	0	2	2	0	0	-	0	-		
HAWKRIDGE	9	9	314	17.8	10.6	14.2	-	23.8	4	4.0	15	-	-	58	55	23	17	13	10	0	0	0	0	2	3	0	0	-	0	(6.25)		
NETTLECOMBE	9	9	96	20.1	10.9	15.5	-	26.2	5	4.5	15	17.3	-	17	-	8	12	7	4	0	0	0	0	1	0	0	0	-	0	-		
NETTLECOMBE(BIRDS HILL)	9	9	290	18.2	11.4	14.8	-	24.3	4	8.2	15	-	-	22	-	8	12	7	4	0	0	0	0	2	1	0	0	-	0	-		
RODNEY STOKE	9	9	40	20.9	11.8	16.3	-	26.8	6	3.1	1	16.7	14.9	33	44	13	12	8	7	0	0	0	0	0	0	0	0	-	0	-		
WINCANTON	9	9	114	20.8	11.4	16.1	-	26.8	5	6.5	16	-	-	62	97	38	12	7	6	0	0	0	0	1	0	0	0	-	0	6.76		
YEOVILTON	21-9		18	21.2	11.9	16.5	-	27.9	5	5.9	15	-	-	51	89	25	12	9	6	0	0	0	0	1	0	0	0	-	0	-		
DORSET																																
BOURNEMOUTH																																
HURN AIRPORT	21-9		10	21.2	11.6	16.4	-	27.9	5	7.0	16	-	-	26	52	16	11	5	4	0	0	0	0	1	0	0	0	0	0	7.18		
MEYRICK PARK	9	9	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
CHRISTCHURCH	9	9	3	20.8	12.3	16.5	-	26.6	6	7.4	16	-	-	23	48	13	11	6	4	0	0	0	0	1	0	0	0	-	0	-		
POOLE	9	9	5	21.2	12.0	16.6	-0.1	27.8	6	7.9	3	17.2	15.8	31	66	13	11	5	3	0	0	0	1	1	0	0	0	-	0	7.50	105	-
PORTLAND BILL (COASTGUARD)	21-9		53	18.6	12.8	15.7	0.0	25.2	6	9.5	15	-	-	41	-	29	11	7	5	0	0	0	0	1	2	0	-	-	0	7.45	-	-
SWANAGE	9	9	11	19.2	13.0	16.1	-0.2	23.0	22	9.0	15	-	15.8	30	63	12	11	8	6	0	0	0	0	1	0	0	0	-	0	7.21	96	-
WEYMOUTH	9	9	23	20.3	12.3	16.3	-	27.0	6	7.3	15	-	-	90	-	78	11	6	5	0	0	0	0	1	0	0	-	-	0	6.92	95	-
WINFRITH	9	9	26	20.9	11.7	16.3	-	26.9	6	5.5	15	-	-	31	57	12	12	6	4	0	0	0	0	1	0	0	0	-	0	-	-	-
DEVON																																
CHELDON BARTON	9	9	164	19.9	11.2	15.5	-	24.9	7	5.2	15	15.9	-	31	-	10	17	10	7	0	0	0	0	2	0	0	1	-	0	6.89	-	-
EXETER AIRPORT	21-9		32	21.1	12.2	16.7	+0.4	27.0	6	6.4	15	-	-	16	31	8	12	7	4	0	0	0	0	1	0	0	0	0	0	(6.29)	(102)	-
EXMOUTH	9	9	59	20.9	12.9	16.9	+1.0	27.0	6	8.0	15	-	-	6	12	2	21	6	2	0	0	0	0	1	0	0	-	-	0	7.21	106	-
HARTLAND POINT	21-9		91	17.7	13.4	15.5	+0.2	24.8	5	9.5	2	-	-	34	48	10	21	9	5	0	0	0	0	1	0	0	0	0	0	8.02	126	-
ILFRACOMBE	9	9	8	19.1	14.2	16.7	-	24.5	6	11.4	15	17.8	15.4	18	-	7	17	10	5	0	0	0	0	0	0	0	-	-	0	7.56	-	-
PLYMOUTH																																
MOUNT BATTEN	21-9		27	19.8	13.4	16.6	+0.7	26.8	7	9.5	15,16	-	-	42	60	11	8	11	6	0	0	0	0	4	1	0	0	0	0	7.20	108	-
THE HOE	9	9	36	20.2	13.6	16.9	+0.7	27.3	7	9.6	15	17.7	15.8	34	49	10	8	9	7	0	0	0	0	2	-	0	0	-	0	7.11	109	-
PRAWLE POINT	21-9		59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	2	1	-	-	-	0	7.06	-	-
PRINCETOWN	9	9	414	17.5	10.8	14.1	-	24.2	7	7.2	15	-	-	65	-	28	20	11	10	0	0	0	0	0	5	0	0	-	0	-	-	-
SLAPTON	9	9	32	(19.9)	(13.0)	(16.5)	-	25.8	7	9.0	3	-	-	38	53	24	17	10	5	0	0	0	0	4	0	0	-	-	0	-	-	-
STARCROSS	9	9	9	20.5	12.2	16.3	+0.4	26.7	6	6.9	15	17.4	-	6	11	2	21	5	3	0	0	0	0	0	0	0	0	-	0	6.67	100	-
TAVISTOCK	9	9	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
TEIGNMOUTH	9	9	6	20.0	13.1	16.5	-0.2	24.9	7	8.1	15	-	-	11	20	4	12	7	4	0	-	0	0	1	-	0	0	-	0	-	-	-
TORBAY(TORQUAY)	9	9	8	20.5	13.5	17.0	+0.5	26.5	6	9.1	15	-	16.9	24	42	11	5	7	6	0	0	0	0	3	0	0	0	-	0	6.59	94	-
CORNWALL																																
BASTREET	9	9	232	19.0	10.5	14.7	-	25.6	6	3.2	15	-	-	66	51	21	17	15	9	0	0	0	0	2	1	0	0	-	0	7.49	105	-
BUDE	9	9	15	19.5	12.7	16.1	+0.5	27.1	5	6.7	15	18.3	-	43	62	17	21	10	7	0	0	0	0	1	1	0	0	-	0	6.89	-	-
CULDROSE	9	9	81	18.8	12.6	15.7	-	25.6	7	8.4	3	-	-	61	100	19	11	13	10	0	0	0	0	5	1	0	0	0	0	6.57	108	-
ELLBRIDGE	9	9	69	21.1	12.4	16.7	-	28.6	7	7.7	15	-	-	40	47	10	24	13	11	0	0	0	0	1	0	0	-	-	0	(7.36)	-	-
FALMOUTH	9	9	51	19.3	12.3	15.8	-0.1	26.0	7	9.0	4,15	-	-	61	85	25	11	10	5	0	0	0	0	1	0	0	0	-	0	7.05	113	-
FOWEY	9	9	75	19.5	12.7	16.1	0.0	26.6	8	8.6	15	-	-	44	-	10	17	13	9	0	0	0	0	1	0	0	-	-	0	7.21	109	-
GULVAL	9	9	15	19.9	12.9	16.4	-	27.5	7	9.0	2,15	-	-	43	-	15	11	15	9	0	0	0	0	4	0	0	-	-	0	-	-	-
GWENNAP HEAD	21-9		66	-	13.6	-	-	-	-	10.5	15	-	-	33	-	11	11	14	6	0	0	0	0	2	0	0	-	-	0	7.42	-	-
LIZARD	9	9	73	18.7	13.2	15.9	+0.5	25.2	8	10.4	22	-	-	84	146	46	11	10	6	0	0	0	0	4	1	0	0	0	0	-	-	-
NEWQUAY	9	9	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	9	0	0	0	0	1	0	0	-	-	1	7.53	107	-
PENZANCE	9	9	19	19.7	13.3	16.5	+0.4	26.6	7	8.3	15	-	-	42	59	13	11	13	8	0	0	0	0	2	0	0	-	-	0	(7.25)	(106)	-
ROSEWARNE	9	9	76	19.0	12.5	15.7	-	23.4	7	9.1	3,15	17.9	16.0	84	120	30	11	14	12	0	0	0	0	4	0	0	0	-	0	6.72	-	-
ST AUSTELL(BETHEL)	9	9	55	19.4	13.1	16.3	-	25.5	7	9.7	15	-	-	51	-	12	17	13	9	0	0	0	0	4	0	0	-	-	0	7.00	-	-
ST JOHNS	9	9	128	20.1	11.8	15.9	-	26.7	6	5.6	15	-	-	44	49	10	24	13	11	0	0	0	0	4	0	0	-	-	0	7.11	-	-
ST MAWGAN	21-9		103	19.4	13.3	16.3	-	25.6	5	9.7	15	-	-	42	56	14	21	11	9	0	0	0	0	2	1	0	0	0	0	7.55	-	-
SCILLY(ST MARYS)	21-9		48	18.8	13.6	16.2	+0.2	24.1	7	11.7	15	-	-	29	46	13	11	11	6	0	0	0	0	2	2	0	0	0	0	6.69	100	-
CHANNEL ISLANDS																																
ALDERNEY	9	9	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
GUERNSEY																																
AIRPORT	21-9		104	18.4	12.8	15.6	-0.1	25.3	3	9.8	15	15.9	14.4	36	75	11	21	9	6	0	0	0	0	2	3	0	0	0	0	8.34	103	-
L'ANCRESSE	9	9	5	19.0	13.2	16.1	-	24.0	3	8.6	15	-	-	38	93	9	11	11	6	0	-	0	0	0	-	0	-	-	0	8.36	-	-
JERSEY																																
AIRPORT	9	9	83	19.5	13.3	16.4	-	26.9	3	9.8	16	17.2	15.1	39	82	13	21	9	5	0	0	0	0	2	3	0	0	0	0	8.89	-	-
GOREY CASTLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST HELIER	9	9	47	20.7	13.8	17.3	-0.2	27.5	3	9.0	16	-	-	41	85	13	11	10	5	0	0	0	0	2	0	0	0	-	0	8.49	-	-
																														8.82	107	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JULY 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL (HIGHT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
NORTHERN IRELAND																																
LONDONDERRY																																
AGHANLOO	9 9	18	18.8	11.5	15.1	-	26.0	6	7.0	29	-	-	46	-	5	7	16	15	-	-	-	-	-	-	0	0	-	-	-	-	-
BANAGHER(CAUGH HILL) ...	9 9	216	18.7	10.0	14.3	-	26.0	7	7.0	29	-	-	68	-	11	24	17	15	0	0	0	0	2	2	0	0	-	0	5.33	-	-
CARMONEY	9 9	73	18.4	11.1	14.7	-	24.5	5	9.0	14	-	-	81	-	22	7	19	15	0	0	0	0	0	0	0	0	-	-	5.11	-	-
COLERAINE UNIVERSITY ...	9 9	23	18.6	10.9	14.7	-	25.7	5.7	7.5	14	15.5	13.1	56	-	14	19	17	13	0	0	0	0	0	2	0	0	-	0	4.97	109	-
COOLKEERAGH	9 9	3	19.0	11.9	15.5	-	25.0	4.5.7	8.5	29	-	-	71	-	13	22	14	13	-	-	-	-	-	-	0	-	-	-	-	-	-
DERRYNOYD FOREST ...	9 9	88	19.4	10.6	15.0	-	28.5	7	7.6	29	-	-	48	48	8	24	17	14	0	0	0	0	0	0	0	0	-	-	-	-	-
GARVAGH FOREST	9 9	88	19.2	10.4	14.8	-	27.1	7	7.0	29	16.3	13.1	60	57	10	24	17	15	0	0	0	0	0	1	0	0	-	-	-	-	-
LOUGHERMORE FOREST ...	9 9	174	19.0	9.9	14.5	-	26.1	6.7	6.0	29	-	-	86	90	16	24	20	17	0	0	0	0	4	2	0	0	-	0	-	-	-
MONEYDIG	9 9	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOMERSET FOREST ...	9 9	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																																
ALDERGROVE AIRPORT ...	21-9	68	19.8	11.5	15.7	+1.3	28.0	7	7.2	29	16.1	13.1	50	62	13	27	17	12	0	0	0	0	1	0	0	0	0	0	6.15	139	-
ALTNAHINCH	9 9	226	17.7	10.1	13.9	-	26.1	7	6.8	29	-	-	91	68	22	19	18	14	0	0	1	0	1	1	0	0	-	0	5.56	-	-
BALLYLUMFORD	9 9	24	18.6	11.5	15.1	-	25.8	7	9.4	15	-	-	36	-	6	20	10	10	-	-	-	-	-	-	0	0	-	-	-	-	-
BALLYMONEY	9 9	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALLYPATRICK FOREST ...	9 9	152	18.0	9.4	13.7	-	25.5	7	6.5	15	-	-	52	47	11	19	17	12	0	0	0	0	0	3	0	0	-	0	5.50	-	-
CARNLOUGH	9 9	12	19.0	11.0	15.0	-	24.6	7	6.9	15.16	-	-	55	-	17	19	13	10	0	-	0	0	1	0	0	0	-	0	-	-	-
DIVIS MOUNTAIN	9 9	363	17.7	9.7	13.7	-	25.0	7	6.9	28	-	-	90	85	23	17	16	15	0	-	0	0	0	-	-	-	-	-	-	-	-
GREENMOUNT	9 9	32	19.6	11.4	15.5	-	27.6	7	6.2	29	17.6	-	38	50	7	17	14	12	0	0	0	0	1	-	0	0	-	-	-	-	-
HYDE PARK (MALLUSK) ...	9 9	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KILROOT POWER STATION	9 9	12	19.3	11.8	15.5	-	24.9	7	8.2	29	-	-	30	-	9	19	13	6	-	0	-	-	-	-	0	0	-	-	-	-	-
LISNAFILLAN	9 9	38	19.4	10.7	15.1	-	27.7	7	4.6	29	-	-	52	59	13	19	15	13	0	0	0	0	1	0	0	0	-	-	6.16	-	-
LOWTOWN	9 9	271	17.6	10.2	13.9	-	25.0	7	6.0	29	13.8	-	87	70	18	19	15	12	0	0	0	0	0	1	0	0	-	0	5.91	-	-
PARKMORE FOREST ...	9 9	235	17.4	9.6	13.5	-	24.8	7	7.4	15	14.5	-	105	73	23	24	16	13	0	0	0	0	0	3	0	0	-	0	-	-	-
WOODBURN NORTH	9 9	217	17.6	10.4	14.0	-	24.5	7	7.5	29	-	-	62	59	17	17	15	12	0	0	0	0	0	3	0	0	-	-	-	-	-
BELFAST																																
ANDERSONSTOWN	9 9	64	19.2	11.2	15.2	-	25.8	7	7.0	28	-	-	62	-	18	24	15	10	0	0	0	0	0	0	0	0	-	0	-	-	-
MALONE	9 9	35	19.7	11.0	15.3	-	27.0	7	7.5	28	15.6	-	44	-	7	24	16	10	-	-	-	-	-	-	0	0	-	-	6.31	-	-
MILLTOWN	9 9	37	20.4	11.4	15.9	-	28.2	7	7.7	28	-	-	48	-	10	19	16	11	0	0	0	-	1	1	0	0	-	0	-	-	-
NEWTOWNABBEY	9 9	32	19.2	12.6	15.9	-	25.5	7	10.5	27.29	17.0	-	39	45	9	17	14	11	0	0	0	0	0	0	0	0	0	0	6.32	-	S
ROSEBANK	9 9	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROSETTA	9 9	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STORMONT CASTLE ...	9 9	56	19.3	11.7	15.5	-	26.5	7	8.4	29	16.4	14.5	25	31	7	17	13	9	0	0	0	0	0	0	0	0	-	-	5.85	-	-
DOWN																																
BANGOR SEACOURT ...	9 9	15	18.7	12.3	15.5	-	25.0	7	9.9	15.16	16.5	14.6	20	-	5	17	10	6	0	0	0	0	1	2	0	0	0	0	6.23	-	-
BALLYWALTER PARK ...	- -	11	-	-	-	-	-	-	-	-	-	-	37	51	12	19	13	8	-	-	-	-	-	-	0	-	-	-	6.27	-	-
BALLYWATTICOCK	9 9	6	19.4	11.4	15.4	-	25.6	7	7.7	15	-	-	22	33	9	17	9	7	0	0	0	0	1	0	0	0	-	0	6.55	-	-
CREIGHTONS GREEN ...	9 9	119	18.5	-	-	-	26.0	7	-	-	-	-	25	30	7	17	10	9	-	-	-	-	-	-	-	-	-	-	-	-	-
DOWNPATRICK	9 9	26	19.8	11.5	15.7	-	27.0	7	8.0	29	-	-	21	-	5	17	12	7	-	-	-	-	-	-	0	0	-	-	-	-	-
HELENS BAY	9 9	43	19.7	11.8	15.7	-	26.4	7	8.1	15	-	-	42	58	19	1	10	7	0	0	0	0	0	1	0	0	-	0	6.29	-	-
HILLSBOROUGH	9 9	116	18.7	11.2	14.9	+0.9	26.4	7	8.3	29	14.9	12.4	46	58	10	24	14	11	0	0	0	0	0	0	0	0	-	0	6.28	143	-
MURLOUGH	9 9	9	19.3	10.4	14.9	-	23.7	22	6.0	28	14.7	12.7	22	-	6	27	9	8	0	0	0	0	0	1	0	0	-	0	6.17	-	-
ARMAGH																																
ARMAGH	9 9	62	20.4	11.6	16.0	+1.1	28.5	7	6.5	29	17.8	15.9	22	29	4	17	13	8	0	0	0	0	1	0	0	0	-	0	5.64	137	-
LOUGHGALL	9 9	25	20.1	11.1	15.6	-	27.7	7	5.0	29	-	-	27	39	5	17	14	10	0	0	0	0	0	0	0	1	-	0	6.14	-	-
LURGAN	9 9	55	20.2	11.7	15.9	-	28.3	7	6.7	29	16.3	13.9	29	41	7	27	14	10	0	-	0	0	0	-	0	0	-	-	6.35	-	-
TANDRAGEE	9 9	43	21.1	11.1	16.1	-	29.3	7	5.4	29	-	-	28	-	10	27	11	6	-	-	-	-	-	-	0	-	-	-	-	-	-
TYRONE																																
ALTAVEEDAN	9 9	175	19.0	10.8	14.9	-	25.4	7	6.4	29	-	-	60	-	11	17	18	14	-	-	-	-	-	-	0	0	-	-	-	-	-
CARRIGANS	21-9	113	19.8	11.1	15.5	-	27.0	6.7	7.0	29	-	-	83	92	25	7	19	14	0	0	0	0	3	0	0	0	0	0	5.54	-	-
COOKSTOWN	9 9	77	19.8	11.1	15.5	-	27.0	7	7.7	29	16.2	-	41	49	7	24	17	12	0	0	0	0	0	2	0	0	-	-	5.37	-	-
LOUGH BRADAN	9 9	169	18.7	9.9	14.3	-	25.3	7	7.4	16	-	-	84	75	17	17	17	14	-	0	-	-	-	-	0	0	-	-	5.49	-	S
POMEROY FOREST	9 9	174	18.9	10.3	14.6	-	25.6	7	6.7	29	16.9	-	50	54	12	24	20	9	0	0	0	0	0	0	0	0	-	-	-	-	-
STRABANE CONVENT ...	9 9	44	20.2	11.7	15.9	-	28.0	7	8.3	29	-	-	64	82	14	1	16	15	0	0	0	0	2	0	0	0	-	3	5.20	-	-
TIEVENNY	9 9	41	20.0	11.1	15.5	-	27.1	7	6.9	29	-	-	37	-	7	24	14	11	-	-	-	-	-	-	0	0	-	-	-	-	-
FERMANAGH																																
CASTLE ARCHDALE FOREST	9 9	66	19.4	10.8	15.1	+1.2	26.2	6	7.3	29	15.8	14.4	58	58	10	17	15	14	0	0	0	0	0	1	0	0	-	0	4.88	113	-
CORGARY	9 9	156	18.6	11.0	14.8	-	25.2	5.10	9.0	14.28	-	-	72	-	9	17	17	17	0	-	0	0	0	2	0	0	0	0	-	-	-
KNOCKARAVAN	9 9	53	19.6	10.9	15.3	-	28.2	6	7.2	29	-	-	63	-	14	1	16	13	0	0	0	0	0	1	0	0	0	0	-	-	-
LISNASKEA	9 9	49	20.1	11.1	15.6	-	26.5	6.12	7.7	31	-	-	52	62	16	19	15	12	0	-	0	0	0	0	0	0	-	-	5.72	-	-
LOUGH NAVAR FOREST ...	9 9	148	19.5	9.5	14.5	-	26.5	6	5.9	29	-	-	87	68	14	17	18	17	0	0	0	0	0	2	0	0	0	-	-	-	-
PUBBLE FOREST	9 9	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JULY 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: DEPRESSION OF WET BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: VAPOUR PRESSURE (MB)	MEAN TEMPERATURE AND HUMIDITY: RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	CLOUD AMOUNT OKTAS: NUMBER OF OBSERVATIONS 0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: NUMBER OF OBSERVATIONS 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 34 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
0 SCOTLAND N SHETLAND																																									
FAIR ISLE	61	9	1014.4	-	11.0	0.7	11.9	91	6.3	2	1	3	18	4	3	0	2	1	0	1	3	1	4	9	10	0	0	20	11	0	7	2	3	4	2	3	1	9
		15	1014.7	-	11.9	1.1	12.0	86	6.1	2	2	3	15	8	1	0	1	0	0	1	0	4	3	12	10	0	4	21	6	0	6	1	4	6	2	1	2	9
		21	1014.9	-	10.5	0.6	11.7	92	6.4	0	3	4	16	5	3	0	2	2	0	0	1	3	3	9	11	0	4	16	11	0	10	0	4	4	3	1	0	9
LERWICK	83	3	1014.0	-	9.6	0.5	11.3	94	7.0	0	2	1	12	12	4	0	5	1	0	0	2	4	9	6	4	0	0	8	22	1	10	3	2	0	4	1	3	7
		9	1014.3	+ 2.6	11.3	1.2	11.7	86	6.6	1	1	3	15	9	2	0	1	1	1	0	1	5	3	9	10	0	0	12	19	0	5	7	1	2	2	5	0	9
		15	1014.6	-	12.3	1.7	11.9	82	6.4	1	2	3	13	11	1	0	1	0	0	1	6	2	10	11	0	1	14	16	0	7	5	2	1	5	2	1	4	5
		21	1014.8	-	10.4	0.7	11.6	92	6.7	0	3	2	12	13	1	0	1	0	0	1	4	5	4	12	4	0	0	15	14	2	10	4	1	1	3	2	3	5
ORKNEY																																									
KIRKWALL	26	3	1014.2	-	10.3	0.5	11.7	93	6.9	0	2	2	13	11	3	0	1	2	0	0	3	2	6	11	6	0	0	8	21	2	5	1	4	4	2	1	8	4
		9	1014.6	+ 2.5	12.7	1.3	12.5	85	6.5	2	1	3	13	12	0	0	0	0	0	1	1	3	5	10	11	0	0	14	17	0	6	2	4	4	3	2	3	8
		15	1014.9	-	13.8	1.9	12.4	79	6.4	1	2	4	12	12	0	0	0	0	0	1	1	2	5	7	16	0	0	17	14	0	9	1	4	5	5	1	2	6
		21	1015.1	-	11.1	0.7	12.0	91	6.7	0	3	2	11	14	1	0	0	1	0	1	2	3	6	9	9	0	0	9	21	1	8	0	4	6	1	1	5	5
WESTERN ISLES																																									
BENBECULA	7	3	1014.7	-	11.8	0.7	12.7	91	6.1	1	3	4	14	9	0	0	0	0	1	0	0	1	7	11	11	0	0	16	15	0	3	7	5	4	2	0	7	3
		9	1015.2	+ 2.5	13.8	1.2	13.5	86	6.7	0	2	3	17	9	0	0	0	0	0	0	3	7	13	8	0	0	2	18	11	0	1	8	0	2	5	3	5	7
		15	1015.2	-	15.2	1.7	14.3	82	6.3	0	3	3	15	10	0	0	0	0	0	1	1	2	9	11	7	0	1	20	10	0	3	5	1	2	9	2	5	4
		21	1015.3	-	12.9	0.9	13.4	90	6.4	0	4	3	12	11	1	0	0	1	1	0	1	3	3	8	14	0	0	17	14	0	6	4	4	4	4	3	2	4
STORNOWAY	5	3	1014.8	-	11.2	0.5	12.6	94	6.7	0	2	2	14	11	2	0	0	1	1	0	0	4	9	12	4	0	0	12	19	0	2	4	3	4	4	3	4	7
		9	1015.2	+ 2.7	12.7	0.9	13.3	90	6.9	0	2	2	11	16	0	0	0	1	1	0	0	2	8	8	7	5	0	2	17	12	0	5	6	2	2	3	9	4	1	3	4
		15	1015.3	-	14.2	1.6	13.3	82	5.5	0	8	3	12	8	0	0	0	0	0	0	0	2	9	13	7	0	1	24	6	0	3	9	2	2	6	4	1	4
		21	1015.4	-	12.5	0.9	13.1	90	6.5	0	3	3	14	10	1	0	0	0	1	0	0	3	4	14	9	0	0	16	15	0	5	9	1	3	2	6	1	4
HIGHLAND																																									
CAPE WRATH	113	3	1014.5	-	11.5	0.9	12.1	89	7.1	0	1	3	7	14	6	0	5	1	1	0	0	2	4	11	7	0	1	6	23	1	5	3	4	4	3	5	3	3
		9	1015.0	-	11.9	0.9	12.5	89	7.1	0	0	6	3	16	6	0	3	1	2	0	0	3	2	12	8	0	0	6	25	0	5	1	6	5	1	7	3	3
		15	1015.3	-	12.8	1.0	13.1	88	6.6	0	0	8	9	12	2	0	2	0	0	0	0	3	3	16	7	0	0	6	25	0	5	3	5	6	0	6	3	3
		21	1015.3	-	11.8	0.7	12.9	92	7.2	0	0	4	9	14	4	0	4	0	0	0	0	1	6	12	8	0	0	9	19	3	5	2	6	5	1	3	3	3
DALCROSS	12	9	1015.5	-	14.0	1.7	13.1	81	6.4	1	2	2	19	7	0	0	0	0	0	1	1	4	8	9	8	0	0	6	24	1	7	5	1	0	1	6	8	2
		15	1015.1	-	17.1	3.2	13.4	68	5.3	1	5	6	17	2	0	0	0	0	0	0	1	1	4	13	12	0	0	6	21	0	2	13	2	1	1	3	8	1
WICK	37	3	1014.4	-	10.0	0.5	11.5	94	6.5	0	3	3	14	9	2	0	1	0	1	3	0	5	6	10	5	0	0	8	22	1	7	1	2	3	6	2	0	5	7	4
		9	1014.9	+ 2.5	12.2	1.1	12.4	87	6.5	1	2	2	16	10	0	0	0	0	0	2	0	7	4	11	7	0	0	9	22	0	9	2	2	3	6	3	0	3	4
		15	1015.0	-	13.8	1.8	12.6	80	6.1	0	5	2	18	6	0	0	0	0	0	2	3	3	6	17	0	0	0	18	13	0	6	3	3	5	7	0	0	7
		21	1015.3	-	11.3	0.8	12.1	90	6.5	0	2	4	18	5	2	0	0	1	i	0	0	7	5	6	11	0	0	9	22	0	8	3	2	6	1	2	3	6
1 SCOTLAND E GRAMPIAN																																									
DYCE	59	3	1014.6	-	10.8	0.8	11.7	90	6.4	1	2	4	11	12	1	0	1	0	1	0	2	4	4	8	11	0	0	4	23	4	4	0	3	1	3	2	6	8
		9	1014.9	+ 2.0	14.0	2.1	12.4	77	6.5	0	3	2	17	9	0	0	0	0	0	1	5	2	11	12	0	0	0	10	20	1	7	0	1	2	6	2	4	8
		15	1014.8	-	16.5	3.3	12.6	67	6.1	0	4	2	20	5	0	0	0	0	0	1	1	1	10	18	0	0	0	12	18	1	4	1	2	8	3	0	1	11
		21	1015.3	-	12.9	1.5	12.3	82	6.0	0	4	4	16	7	0	0	0	0	1	0	2	0	4	11	13	0	0	0	4	25	2	4	0	4	1	8	0	3	9
FRASERBURGH	22	3	1014.8	-	11.6	0.8	12.4	90	6.5	0	3	3	12	12	1	0	0	0	1	0	0	0	14	16	0	0	0	5	8	20	0	3	0	2	8	1	1	3	13
		9	1015.3	+ 2.5	13.1	1.1	13.2	87	6.3	0	3	4	11	12	1	0	0	0	0	0	1	13	16	0	0	0	5	10	16	0	1	1	5	3	1	1	7	12
		15	1015.5	-	14.4	1.7	13.4	83	6.0	0	3	6	11	11	0	0	0	0	0	0	1	9	21	0	0	0	1	10	20	0	1	1	5	4	1	1	2	16
		21	1015.6	-	12.6	0.9	13.0	89	6.6	0	2	4	10	14	1	0	0	1	0	0	0	0	12	18	0	0	3	7	21	0	5	1	3	6	5	0	1	10
KINLOSS	6	3	1014.8	-	11.7	1.0	12.2	88	6.3	0	3	2	19	6	1	0	0	0	1	0	1	6	3	8	12	0	0	8	21	2	3	2	2	1	4	8	6	3
		9	1015.3	+ 2.6	14.0	1.8	13.0	80	6.3	2	3	1	15	10	0	0	0	0	0	1	0	8	4	6	12	0	0	10	21	0	5	8	1	1	1	2	12	1
		15	1015.0	-	16.8	3.1	13.4	70	5.6	0	6	3	20	2	0	0	0	0	0	0	2	2	2	9	18	0	0	11	20	0	11	5	2	1	1	2	6	3
		21	1015.4	-	13.7	1.5	13.1	83	5.9	0	4	5	17	5	0	0	0	0	0	0	2	6	2	6	15	0	0	8	23	0	5	2	8	1	2	6	2	5
LOSSIEMOUTH	6	3	1014.7	-	11.5	1.1	11.8	86	6.8	0	1	2	18	9	1	0	0	0	1	0	1	8	3	5	13	0	0	9	17	5	3	2	1	2	2	5	9	2
		9	1015.1	-	14.0	1.9	12.7	79	6.5	2	2	1	12	14	0	0	0	0	0	1	0	5	5	7	13	0	0	9	21	1	5	3	1	3	3	2	11	2
		15	1014.9	-	15.8	3.0	12.5	70	5.6	0	6	2	21	2	0	0	0	0	0	0	3	1	5	22	0	0	0	11	20	0	6	0	9	2	1	1	5	7
		21	1015.2	-	13.7	1.6	13.0	82	6.2	0	5	3	15	8	0	0	0	0	0	1	0	6	3	6	15	0	0	8	22	1	5	5	3	3	1	4	2	7
TAYSIDE																																									
USAN	35	9	1015.8	-	13.9	1.9	12.5	79	5.9	2	3	2	17	6	1	0	0	1	0	0	1	3	3	6	17	0	1	5	22	3	2	7	3	1	5	2	4	4
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1016.0	+	13.2	1.5	12.6	83	5.2	0	7	6	13	5	0	0	0	0	0	0	0	5	0	5	21	0	0	4	19	8	5	5	0	2	6	2	1	2
FIFE																																									
LEUCHARS	12	3	1015.1	-	11.3	1.0	11.9	88	5.7	1	5	5	12	7	1	0	1	0	1	0	1	5	7	7	9	0	0	5	22	4	2	4	2	0	2	9	9	1
		9	1015.5	+ 2.4	15.0	2.5	12.5	73	6.2	0	2	5	18	5	1	0	0	1	0	0	1	2	7	5	15	0	0	13	17	1	1	1	6	2	4	6	8	2
		15	1015.2	-	17.1	3.7	12.5	65	5.4	1	5	5	16	4	0	0	0	0	0	0	0	3	7	7	14	0	0	15	16	0	1	1	0	12	4	2	4	8	0
		21	1015.5	-	13.6	1.5	13.0	82	6.0	0	2	5	21	3	0	0	0	0	0	0	0	6	6	7	12	0	0	5	26	0	3	7	4	3	3	6	2	3
LOTHIAN																																									
TURNHOUSE	44	3	1015.4	-	11.7	0.8	12.4	90	6.4	1	2	1	20	7	0	0	0	0	0	0	2	5	5	16	3	0	0	3	19	9	1	2	4	1	0	4	9	1
		9	1015.9	+ 2.3	14.9	2.3	12.8	75	5.7	1	4	4	17	5	0	0	0	0	0	1	0	5	6	10	9	0	0	9	20	2	2	9	3	1	1	2	10	1
		15	1015.4	-	17.8	3.9	12.8	63	5.8	0	4	4	20	3	0	0	0	0	0	0	1	1	6	7	17	0	1	14	16	0	0	10	5	1	0	3	8	1
		21	1015.8	-	14.3	1.8	13.1	80	6.1	0	2	7	17	5	0	0	0	0	0	1	1	1	8	10	10	0	1	3	26	1	0	7	4	2	2	7	7	1
6 SCOTLAND W STRATHCLYDE																																									
ABBOTSINCH	9	3	1015.3	-	12.4	1.0	12.8	89	5.8	0	5	5	14	7	0	0	0	0	0	0	3	9	6	9	4	0	0	2	24	5	0	6	6	0	0	6	8	0
		9	1015.7	+ 2.0	15.5	2.4	13.2	75	5.5	0	5	7	13	6	0	0	0	0	0	0	2	6	5	11	7	0	0	6	23	2	1	4	3	5	2	4	5	5
		15	1015.0	-	19.6	4.9	12.9	58	5.0	0	6	10	13	2	0	0	0	0	0	0	1	5	12	13	0	0	0	13	17	1	0	4	5	1	3	4	10	3
		21	1015.5	-	15.4	2.4	13.2	76	4.9	0	8	8	12	3	0	0	0	0	0	0	0	3	8	10	10	0	0	4	26	1	0	5	5	0	3	5	10	2
GLASGOW WEATHER CENTRE (X)	17	3	1015.6	-	-	-	-	-	6.1	1	1	6	15	8	0	0	0	0	0	0	0	7	7	14	3	0	0	1	28	2	0	7	5	2	5	7	3	0
		9	1016.0	-	15.2	2.5	12.9	74	5.5	0	6	6	14	5	0	0	0	0	0	0	0	8	7	9	7	0	0	2	28	1	1	6	4	3	4	7	4	1
		15	1015.2	-	19.2	4.8	12.7	58	5.3	1	4	6	17	3	0	0	0	0	0	0	0	1	5	11	14	0	0	4	27	0	2	4	5	2	6	7	4	1
		21	1015.8	-	16.0	2.6	13.4	74	4.8	0	7	9	12	3	0	0	0	0	0	0	1	10	12	8	0	0	1	30	0	0	8	2	1	7	6	6	1
MACHRIHANISH	14	3	1015.2	-	12.5	0.8	13.2	91	5.9	1	3	4	16	6	1	0	0	0	3	0	1	1	9	14	3	0	1	14	13	3	1	1	2	8	2	2	4	8
		9	1015.6	-	14.7	1.6	13.9	83	5.8	1	5	4	11	9	1	0	0	1	0	0	2	1	12	9	6	0	0	10	13	0	2	0	4	7	1	2	9	6
		15	1015.5	-	15.8	2.0	14.3	80	5.5	0	6	7	10	8	0	0	0	0	0	0	1	3	11	10	6	0	0	1	15	15	0	2	1	0	2	6	0	11	9
		21	1015.7	-	13.6	0.9	14.0	90	5.6	1	4	5	15	4	2	0	0	1	1	0	1	2	11	12	3	0	1	12	15	3	1	1	2	4	4	0	9	7
PRESTWICK	21	3	1015.5	-	11.9	0.7	12.8	91	5.1	0	7	6	11	7	0	0	0	0	0	0	1	3	9	15	3	0	0	7	22	2	2	5	4	6	4	1	4	3
		9	1015.9	+ 2.1	15.5	2.6	13.0	73	5.3	0	6	7	12	6	0	0	0	0	0	0	0	7	1	17	6	0	0	15	15	1	0	1	6	3	2	5	2	5	8
		15	1015.4	-	18.5	4.1	13.4	63	5.3	0	5	9	14	3	0	0	0	0	0	0	0	3	4	15	9	0	0	1	19	11	0	0	3	2	0	2	5	12	7
		21	1015.8	-	15.1	1.9	13.9	81	4.7	0	9	6	13	3	0	0	0	0	0	0	0	3	6	12	10	0	0	12	14	5	0	3	2	1	4	1	6	9
RHUVAAL	19	3	1015.4	-	13.1	1.0	13.4	89	5.8	0	6	3	14	8	0	0	0	0	0	0	0	4	5	14	8	0	0	13	16	2	1	2	0	0	12	1	6	7
		9	1015.8	-	14.3	1.5	13.7	84	6.1	1	2	6	11	11	0	0	0	0	0	0	0	5	6	11	9	0	0	11	14	7	3	0	1	2	6	0	7	5
		15	1015.8	-	15.8	2.0	14.2	80	6.1	0	4	4	11	12	0	0	0	0	0	0	0	3	6	10	12	0	1	13	14	3	1	0	0	0	7	0	13	7
		21	1015.9	-	14.2	1.2	14.2	87	6.1	0	3	6	15	7	0	0	0	0	0	0	1	3	6	8	13	0	1	9	15	6	1	0	0	0	6	2	11	5

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JULY 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: DEPRESSION OF WET BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: VAPOUR PRESSURE (MB)	MEAN TEMPERATURE AND HUMIDITY: RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	CLOUD AMOUNT OKTAS: NUMBER OF OBSERVATIONS: 0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: NUMBER OF OBSERVATIONS: 0 - 39M	40 - 199M	200 - 399M	400 - 999M	1000 - 1999M	2000 - 3999M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE: 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT): 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
6 SCOTLAND W-CONTD. STRATHCLYDE -CONTD.																																										
SLOY	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	15.1	2.1	13.4	78	5.9	3	3	3	10	12	0	0	0	0	0	0	0	0	0	0	0	10	21	0	0	0	1	26	4	1	3	1	5	6	3	4	4
		15	-	-	18.9	4.1	13.7	63	5.4	1	2	9	13	6	0	0	0	0	0	0	0	0	0	0	4	27	0	0	0	0	1	29	1	2	0	0	7	8	4	3	6	7
		21	-	-	15.4	2.0	13.9	79	5.0	3	6	6	6	10	0	0	0	0	0	0	0	0	0	0	1	6	24	0	0	0	0	3	24	4	0	2	1	2	4	2	9	7
TIREE	10	3	1015.1	-	12.0	0.4	13.3	95	5.7	3	2	5	11	10	0	0	0	0	0	0	2	0	7	7	8	7	0	0	1	17	13	0	7	4	1	2	4	3	7	3
		9	1015.6	+ 2.3	14.1	1.2	14.0	87	6.2	1	2	4	17	7	0	0	0	0	0	0	1	0	5	7	11	7	0	0	4	18	9	0	8	1	1	2	0	2	3	6
		15	1015.5	-	15.4	1.5	14.9	85	5.6	1	5	4	13	8	0	0	0	0	0	0	0	0	8	3	8	12	0	0	2	21	8	0	10	0	0	0	9	4	2	6	5
		21	1015.6	-	13.4	0.7	14.2	92	5.7	0	7	2	16	6	0	0	0	0	0	1	3	6	5	8	8	0	0	1	22	8	0	9	2	0	4	3	3	5	5	
DUMFRIES & GALLOWAY																																										
ESKDALEMUIR	237	3	1016.0	-	9.9	0.6	11.5	93	5.9	3	1	6	13	8	0	0	2	0	1	0	2	6	10	8	2	0	0	0	4	18	9	7	1	0	1	3	5	3	2	
		9	1016.1	+ 2.3	13.7	2.2	12.2	78	5.8	3	1	5	12	10	0	0	0	0	0	1	1	3	9	8	9	0	0	0	7	23	1	4	4	2	2	5	8	2	7	1
		15	1015.3	-	16.9	3.8	12.8	67	5.7	0	3	9	13	6	0	0	0	0	0	0	1	1	3	14	12	0	0	1	11	19	0	6	3	0	5	3	5	8	1	
		21	1016.2	-	12.8	1.4	12.6	85	5.5	0	5	8	10	8	0	0	0	0	1	0	1	4	5	12	8	0	0	1	4	20	6	5	3	0	0	5	4	6	2	
2 ENGLAND E & NE NORTHUMBERLAND																																										
BOULMER	27	3	1015.3	-	11.2	0.7	12.2	91	6.1	0	2	7	13	8	1	0	1	0	1	1	2	5	4	8	9	0	0	0	5	25	1	8	0	0	2	2	4	12	2	
		9	1015.9	-	13.8	1.6	13.0	83	6.5	2	0	3	19	6	1	0	0	0	1	1	1	4	2	11	10	0	0	0	10	21	0	13	2	0	2	2	4	4	4	
		15	1015.8	-	15.3	2.3	13.3	77	5.6	1	3	8	12	7	0	0	0	0	1	0	2	6	3	7	12	0	0	0	11	20	0	12	1	6	5	1	1	4	1	
		21	1015.9	-	12.7	1.1	13.0	88	5.8	1	2	10	11	7	0	0	0	0	1	0	1	7	5	12	5	0	0	0	1	29	1	7	0	0	1	4	6	8	4	
SEAHOUSES	12	3	1015.1	-	-	-	-	-	6.2	1	1	6	13	8	2	2	0	0	1	0	2	3	7	16	0	0	0	2	3	19	7	8	0	0	0	4	5	4	3	
		9	1015.5	-	-	-	-	-	6.5	2	0	4	16	7	2	1	0	0	0	1	1	2	3	2	20	1	0	0	2	7	20	2	14	1	0	0	5	3	5	1	
		15	1015.6	-	-	-	-	-	5.4	2	4	7	12	6	0	0	0	0	0	0	1	8	3	16	3	0	0	0	10	19	2	12	2	3	2	3	3	3	1	
		21	1015.5	-	-	-	-	-	5.6	0	5	8	12	6	0	0	0	0	1	0	1	5	7	17	0	0	0	0	4	26	1	8	0	1	1	0	6	4	2	
TYNE & WEAR																																										
NEWCASTLE WEATHER CENTRE	72 (X)	3	1015.8	-	12.4	1.3	12.3	85	5.0	1	7	7	6	9	1	0	1	0	0	0	3	8	6	7	6	0	0	1	26	4	6	1	2	0	2	8	6	2	
		9	1016.3	-	14.9	2.5	12.5	74	6.0	2	2	5	14	8	0	0	0	0	0	0	2	5	7	9	8	0	0	0	4	24	3	9	2	1	0	3	3	6	4	
		15	1015.9	-	17.4	4.2	12.0	61	5.5	1	6	6	10	8	0	0	0	0	0	0	0	2	11	10	8	0	0	0	9	22	0	4	5	7	2	1	3	6	3	
		21	1016.4	-	14.6	2.4	12.4	75	5.3	1	5	9	6	10	0	0	0	0	1	0	0	7	14	5	4	0	0	0	2	27	2	3	5	3	2	4	2	9	1	
TYNEMOUTH	40	3	1016.1	-	12.3	0.9	12.9	89	6.0	1	2	7	9	11	1	0	1	0	0	0	2	3	13	12	0	0	0	1	7	21	2	8	1	1	0	7	3	7	2	
		9	1016.5	+ 2.2	14.0	1.4	13.5	84	6.7	0	1	3	15	10	2	0	2	0	0	1	4	2	10	12	0	0	0	3	14	12	2	14	1	1	0	5	1	7	0	
		15	1016.5	-	15.1	2.1	13.4	79	6.0	2	1	7	10	9	2	0	2	0	0	0	2	2	9	16	0	0	0	3	13	15	0	10	4	4	2	2	6	1	0	
		21	1016.6	-	13.8	1.3	13.4	85	5.5	1	2	11	8	8	1	0	2	0	1	0	1	3	17	7	0	0	0	0	9	19	3	12	0	0	2	6	1	7	0	
NORTH YORKSHIRE																																										
LEEMING	33	3	1016.2	-	12.0	1.0	12.5	88	5.8	2	4	5	9	11	0	0	1	0	0	2	4	4	2	12	6	0	0	0	2	27	2	8	0	0	1	5	4	8	3	
		9	1016.5	+ 1.9	15.4	2.4	13.2	75	6.2	2	0	5	17	7	0	0	0	0	0	0	1	8	6	6	10	0	0	0	13	18	0	12	2	1	1	4	2	6	3	
		15	1016.1	-	18.1	3.7	13.5	65	5.9	1	2	7	12	9	0	0	0	0	0	0	0	4	9	10	8	0	0	0	17	14	0	10	5	2	1	3	3	7	0	
		21	1016.6	-	14.6	1.8	13.5	80	5.2	2	6	5	10	8	0	0	0	0	0	0	1	7	5	10	8	0	0	0	3	28	0	9	2	1	3	3	3	8	2	
WHITBY C.G.	66	3	1015.9	-	12.4	1.0	12.7	88	5.9	1	4	5	7	13	1	0	1	0	0	0	1	7	3	10	9	0	0	0	9	19	3	6	2	0	1	5	6	5	3	
		9	1016.4	-	14.3	1.6	13.6	83	6.4	1	2	5	8	14	1	0	1	1	0	0	3	6	2	14	4	0	0	3	10	15	3	7	2	1	0	0	8	2	8	
		15	1016.4	-	15.5	1.9	14.1	80	6.6	1	2	3	9	15	1	0	1	0	1	0	1	5	7	5	11	0	0	2	9	15	5	6	3	2	2	1	5	2	5	
		21	1016.5	-	13.8	1.4	13.4	84	6.4	0	2	6	8	15	0	0	0	0	0	0	3	4	5	11	8	0	1	9	16	5	6	1	0	1	5	5	4	4	
HUMBERSIDE																																										
SPURN POINT	20	3	1016.0	-	13.2	1.0	13.5	89	5.1	2	4	9	5	9	2	0	1	0	1	0	0	5	14	10	0	0	1	13	16	1	10	1	1	0	4	4	8	2	
		9	1016.7	-	14.9	1.9	13.6	80	6.0	0	3	6	14	7	1	0	0	1	0	0	2	7	11	9	1	0	1	15	12	3	10	3	2	0	1	4	5	3	
		15	1016.7	-	16.8	2.9	13.7	72	5.6	2	2	8	10	9	0	0	0	0	0	0	1	3	14	13	0	0	0	1	16	14	2	9	5	5	1	0	5	6	0	
		21	1016.7	-	14.2	1.5	13.6	84	6.0	0	5	4	12	9	1	1	0	0	0	0	2	5	11	12	0	0	0	0	15	14	2	10	2	3	1	4	3	5	1	
LINCOLNSHIRE																																										
BINBROOK	112	3	1016.1	-	11.3	0.6	12.5	93	5.9	1	4	4	13	9	0	0	0	3	1	0	1	3	6	9	6	2	0	0	0	8	22	1	11	1	0	0	2	9	5	2
		9	1016.6	-	14.9	2.0	13.4	79	6.1	0	4	4	14	9	0	0	0	0	0	0	0	1	5	11	11	3	0	0	0	19	12	0	8	5	1	0	1	5	7	3
		15	1016.4	-	17.1	3.3	13.2	68	6.1	1	2	6	15	7	0	0	0	0	0	0	0	3	8	15	5	0	0	2	20	9	0	5	9	2	3	0	4	8	3	
		21	1016.8	-	13.2	1.2	13.2	86	6.1	0	4	4	14	9	0	0	0	0	0	1	3	5	8	12	2	0	0	1	13	17	0	10	3	3	0	4	5	6	0	
WADDINGTON	70	3	1016.0	-	12.1	0.8	12.8	90	5.5	1	4	8	9	9	0	0	0	0	1	2	0	8	10	9	1	0	0	0	3	27	1	10	2	0	1	0	11	4	2	
		9	1016.5	+ 1.1	15.7	2.4	13.4	75	5.6	1	6	3	14	7	0	0	0	0	0	0	0	5	9	10	7	0	0	0	15	16	0	7	5	1	1	2	3	10	2	
		15	1016.2	-	18.6	4.1	13.5	63	5.9	0	5	4	15	7	0	0	0	0	0	0	0	1	4	15	11	0	0	0	18	13	0	9	5	1	0	0	5	9	2	
		21	1016.6	-	14.1	1.5	13.6	84	5.3	2	5	5	10	9	0	0	0	0	0	0	0	3	15	10	3	0	0	0	4	27	0	8	6	3	3	1	5	5	0	
3 EAST ANGLIA NORFOLK																																										
COLTISHALL	17	3	1015.5	-	12.8	0.9	13.3	89	5.5	2	5	4	8	12	0	0	0	1	0	0	0	2	11	11	6	0	0	0	0	6	24	1	9	1	0	0	1	6	8	5
		9	1016.1	-	16.3	2.5	13.9	75	6.3	1	3	2	16	9	0	0	0	0	0	0	0	7	6	12	6	0	0	0	16	15	0	10	4	2	0	0	4	7	4	
		15	1016.0	-	18.3	3.9	13.4	64	6.1	1	3	3	17	7	0	0	0	0	0	0	0	3	8	11	9	0	0	0	17	14	0	10	6	2	1	1	5	7	3	
		21	1016.3	-	14.4	1.6	13.7	83	5.7	1	6	2	12	10	0	0	0	0	0	2	0	2	7	6	9	5	0	0	0	5	28	0	10	5	0	1	1	6	7	1
MARHAM	24	3	1015.8	-	12.3	0.5	13.6	94	6.0	0	6	3	11	11	0	0	0	0	0	1	0	2	11	7	10	0	0	0	0	5	25	1	10	2	1	1	2	6	6	5
		9	1016.4	+ 0.8	16.1	2.0	14.7	80	6.0	1	3	5	15	7	0	0	0	0	0	0	0	5	8	7	11	0	0	0	0	17	14	0	9	5	3	0	0	5	5	4
		15	1016.1	-	19.0	3.9	14.2	65	5.9	0	5	4	15	7	0	0	0	0	0	0	0	2	3	11	15	0	0	0	24	7	0	8	8	1	2	2	4	8	2	
		21	1016.6	-	14.6	1.4	14.1	84	5.7	0	8	1	11	11	0	0	0	0	0	0	0	8	6	11	6	0	0	0	7	24	0	8	6	2	2	2	4	7	0	
CAMBRIDGESHIRE																																										
WITTERING	76	3	1016.4	-	12.3	0.8	13.0	90	6.1	0	4	5	13	9	0	0	0	0	1	0	2	5	7	15	1	0	0	0	8	23	0	11	3	0	1	0	5	9	2	
		9	1016.9	+ 1.2	15.7	2.4	13.5	75	5.4	1	5	5	12	8	0	0	0	0	0	0	1	4	9	9	8	0	0	0	20	11	0	8	7	0	1	1	2	9	3	
		15	1016.5	-	18.8	4.1	13.7	63	5.6	0	6	4	14	7	0	0	0	0	0	0	0	1	3	17	10	0	0	0	23	8	0	7	9	0	0	1	4	7	3	
		21	1016.9	-	14.7	1.8	13.7	81	5.4	2	7	2	12	8	0	0	0	0	0	0	0	3	7	15	6	0	0	0	8	23	0	4	10	2	0	2	2	10	1	
WYTON	43	3	1016.2	-	12.4	0.7	13.3	91	6.3	2	1	5	12	11	0	0	0	1	0	1	3	6	11	9	0	0	0	0	4	27	0	11	2	0	1	0	9	6	2	
		9	1016.7	-	15.8	2.0	14.3	79	5.9	1	4	4	11	11	0	0	0	0	0	0	0	7	10	9	5	0	0	0	13	18	0	11	3	2	0	1	7	6	2	
		15	1016.3	-	19.1	3.9	14.4	65	5.6	0	5	8	10	8	0	0	0	0	0	0	0	3	3	14	11	0	0	0	17	14	0	12	4	1	0	1	6	6	1	
		21	1016.8	-	14.9	1.6	14.2	83	5.4	0	6	6	12	7	0	0	0	0	0	0	0	8	5	13	5	0	0	0	7	24	0	9	6	1	0	2	7	3	3	
SUFFOLK																																										
ALDEBURGH	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1016.9	-	-	-	-	-	5.6	4	1	6	6	14	0	0	0	0	0	1	0	7	23	0	0	0	2	11	15	3	10	7	0	0	1	4	5	1		
MONINGTON	51	3	1015.9	-	12.0	0.9	12.7	89	6.2	0	4	5	13	8	1	0	0	1	1	0	0	4	10	5	10	0	0	0	0	4	27	0	7	1	1	0	3	8	4	7
		9	1016.3	-	16.5	2.9	13.3	71	5.8	1	3	7	10	10	0	0	0	0	0	0	1	3	8	12	7	0	0	0	16	15	0	12	2	1	0	2	5	6	3	
		15	1015.9	-	19.7	5.2	12.5	55	5.5	0	6	4	17	4	0	0	0	0	0	0	0	2	3	16	10	0	0	0	19	12	0	10	6	1	0	0	6	8	0	
		21	1016.5	-	14.8	2.2	13.0	77	5.7	0	6	3	15	7	0	0	0	0	0	0	0	6	5	13	7	0	0	0	9	21	1	14	0	2	1	4	4	4	1	
WATTISHAM	91	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1016.2	-	16.6	2.3	14.6	77	5.5	1	5	6	11	8	0	0	0	0	0	0	0	2	1	13	12	3	0	0	20	11	0	10	4	2	0	3	7	4	1	
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BEDFORDSHIRE																																										
CARDINGTON	30	3	1016.7	-	11.8	0.3	13.6	97	6.0	2	4	2	11	12	0	0	0	0	0	0	0	3	5	19	4	0	0	0	4	27	0	1	10	3	0	0	0	16	1	
		9	1017.2	+ 1.1	16.2	1.9	14.9	80	5.9	0	4	4	15	8	0	0	0	0	0	0	0	2	3	6	12	10	1	0	0	7	24	0	1	11	5	3	0	0	10	4	
		15	1016.6	-	19.9	4.0	15.1	65	5.7	0	3	6	17	5	0	0	0	0	0	0	0	0	3	10	18	0	0	0	15	16	0	1	12	3	1	0	0	8	6	
		21	1017.1	-	14.7	1.1	14.9	88	5.4	1	7	3	11	9	0	0	0	0	0	0	0	0	5	17	9	0	0	0	7	24	0	3	9	5	1	0	2	8	3	

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JULY 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT								VISIBILITY									WIND SPEED AND DIRECTION									
									OKTAS																	BEAUFORT FORCE									
																										8 OR MORE	6-7	4-5	1-3	CALM					
																										SPEED (KT)									
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
			NUMBER OF OBSERVATIONS																																	
3 EAST ANGLIA -CONTD.																																				
ESSEX																																				
SHOEBURYNESS	5	9	1016.4	0.0	17.0	2.5	14.7	75	5.4	0	6	6	14	5	0	0	0	0	0	0	1	6	7	11	6	0	0	13	18	0	6	9	2	0	1	4	7	2
		15	1016.1	-	19.1	3.4	15.3	69	4.9	1	7	5	14	4	0	0	0	0	0	0	1	2	11	9	8	0	0	17	14	0	5	2	11	3	0	7	4	2
		21	1016.5	-	15.6	1.6	14.7	83	4.8	1	10	3	11	6	0	0	0	0	0	0	1	3	9	12	7	0	0	7	24	0	6	7	3	1	3	5	6	0
STANSTED	102	3	1016.1	-	12.3	0.7	13.1	91	5.9	1	4	2	14	10	0	0	0	0	1	1	2	7	15	5	0	0	0	2	29	0	9	5	2	0	0	6	7	2
		9	1016.6	+ 0.5	15.9	2.4	13.7	75	5.3	3	4	5	12	7	0	0	0	0	0	0	1	4	3	20	3	0	0	16	14	1	8	5	3	0	0	3	8	3
		15	1016.0	-	19.6	4.5	13.7	61	5.1	0	7	5	16	3	0	0	0	0	0	0	0	1	2	19	3	0	0	13	18	0	6	8	3	0	0	2	10	2
		21	1016.7	-	15.1	1.9	13.9	80	5.2	1	7	2	15	6	0	0	0	0	0	0	0	4	10	14	3	0	0	5	26	0	8	9	0	2	2	3	5	2
4 MIDLAND COUNTIES																																				
WEST YORKSHIRE																																				
HUDDERSFIELD	235	3	1016.3	-	11.0	1.1	11.3	86	6.7	3	0	1	7	20	0	0	1	0	1	3	2	7	11	6	0	0	1	7	22	1	2	6	4	0	4	4	8	2
OAKES		9	1016.7	-	14.7	1.9	13.4	80	6.0	1	2	6	12	10	0	0	0	0	0	1	2	12	4	12	0	0	1	10	20	0	3	5	3	3	5	6	1	1
		15	1016.5	-	17.2	3.0	14.0	72	6.7	0	1	2	18	10	0	0	0	0	0	0	1	6	11	11	2	0	2	14	15	0	2	7	5	0	1	3	7	1
		21	1016.6	-	13.7	1.4	13.3	84	5.2	4	3	5	10	9	0	0	0	0	0	0	3	1	12	13	2	1	0	9	20	1	5	3	4	1	1	5	5	6
WILSDEN	267	3	1016.5	-	11.0	0.8	11.9	90	5.9	2	2	7	6	13	1	0	0	1	0	2	2	8	17	1	0	0	0	8	17	6	1	5	3	0	0	6	9	1
		9	1016.7	-	13.8	2.0	12.4	79	5.7	2	2	7	8	11	1	0	0	1	0	0	2	8	12	8	0	0	0	1	11	15	4	1	7	2	1	1	3	9	1
		15	1016.4	-	16.1	3.0	13.0	71	6.2	0	4	3	9	14	1	0	0	1	0	0	0	7	20	3	0	0	0	0	17	13	1	1	8	3	0	1	4	12	3
		21	1017.0	-	13.2	1.4	12.8	84	5.5	1	6	3	9	12	0	0	0	0	0	0	2	7	19	3	0	0	0	7	24	0	3	7	2	2	0	3	13	1
SOUTH YORKSHIRE																																				
FINNINGLEY	15	3	1016.0	-	12.0	0.9	12.7	90	5.4	2	3	7	12	7	0	0	0	0	0	0	2	8	10	8	3	0	0	0	31	0	7	3	1	2	3	5	4	6
		9	1016.5	+ 1.4	16.3	2.8	13.4	72	5.5	1	5	5	13	7	0	0	0	0	0	0	0	4	14	13	4	0	0	0	22	0	11	2	0	1	3	2	7	5
		15	1016.1	-	19.0	4.3	13.6	61	5.9	0	3	7	14	7	0	0	0	0	0	0	0	5	17	9	0	0	0	13	18	0	8	7	1	0	1	4	8	2
		21	1016.5	-	15.0	1.8	13.8	80	5.3	2	3	9	11	6	0	0	0	0	0	0	0	3	12	8	8	0	0	4	26	1	3	5	4	2	2	4	8	2
NOTTINGHAMSHIRE																																				
WATNALL	119	3	1016.6	-	11.9	0.7	12.8	91	6.0	1	4	2	15	9	0	0	0	0	0	1	2	12	14	2	0	0	0	3	27	1	6	5	0	0	0	8	7	4
		9	1016.9	+ 1.6	15.5	2.5	13.0	74	5.6	1	6	3	13	8	0	0	0	0	0	0	2	5	11	11	2	0	0	0	22	0	7	5	1	1	2	4	8	3
		15	1016.5	-	18.7	4.1	13.5	63	6.1	0	4	2	19	6	0	0	0	0	0	0	0	5	4	21	1	0	0	0	15	16	0	2	10	3	0	2	5	7	2
		21	1017.0	-	14.7	1.8	13.5	80	5.7	1	4	4	12	10	0	0	0	0	0	0	0	11	12	7	1	0	0	0	4	27	0	4	8	1	0	2	6	7	3
SALOP																																				
SHAWBURY	76	3	1016.5	-	12.0	0.7	13.0	92	5.6	2	4	5	9	11	0	0	0	0	0	2	0	7	9	9	0	0	0	1	30	0	4	1	5	1	3	6	11	0
		9	1017.0	+ 1.4	15.9	2.2	14.1	78	5.6	2	2	8	12	7	0	0	0	0	0	0	0	11	6	11	3	0	0	0	22	0	3	4	5	2	4	9	3	3
		15	1016.4	-	19.0	3.5	15.0	69	6.0	0	3	7	12	9	0	0	0	0	0	0	0	7	6	10	8	0	0	0	21	0	4	3	8	0	2	4	7	3
		21	1016.8	-	15.3	1.6	14.6	83	5.7	0	5	6	11	9	0	0	0	0	0	1	7	12	10	1	0	0	0	3	28	0	5	3	7	1	2	2	8	3
WEST MIDLANDS																																				
EDGBASTON	165	9	1017.2	+ 1.2	14.7	2.4	12.5	75	5.7	4	1	5	13	8	0	0	0	0	0	0	1	9	10	11	0	0	0	3	28	0	2	7	6	0	4	3	5	4
		15	1016.5	-	18.7	4.7	12.4	58	5.9	0	5	3	17	6	0	0	0	0	0	0	0	2	11	15	3	0	0	0	23	0	6	8	3	0	2	3	6	2
		21	1017.0	-	16.2	3.0	13.0	70	5.5	1	6	4	12	8	0	0	0	0	0	0	2	7	14	6	2	0	0	2	28	1	6	8	3	0	2	3	6	2
ELMDON	100	3	1016.8	-	12.0	1.0	12.5	89	5.4	2	5	4	12	8	0	0	0	0	0	0	1	11	12	7	0	0	0	4	23	4	4	7	0	1	1	6	6	2
		9	1017.2	+ 1.3	15.5	2.5	13.0	73	5.5	3	3	5	12	8	0	0	0	0	0	0	1	5	16	8	1	0	0	0	21	0	4	9	1	1	1	5	7	3
		15	1016.5	-	19.1	4.7	12.8	58	5.5	0	6	5	15	5	0	0	0	0	0	0	0	1	8	18	4	0	0	0	17	14	0	2	10	1	1	1	4	5
		21	1017.0	-	15.5	2.3	13.5	75	5.3	0	9	3	13	6	0	0	0	0	0	0	0	6	14	11	0	0	0	0	6	25	0	3	9	3	1	2	5	6	4
HEREFORD & WORCESTER																																				
PERSHORE																																				
GLOUCESTER					REPORTS TERMINATED																															
INNSWORTH	24	3	1016.8	-	13.0	0.8	13.6	90	5.6	3	3	5	10	10	0	0	0	0	0	0	1	10	8	8	4	0	0	1	25	5	5	7	0	1	6	3	4	0
		9	1017.4	-	16.0	2.1	14.4	78	5.9	2	4	1	17	7	0	0	0	0	0	0	1	9	7	7	7	0	0	0	6	25	0	9	4	2	0	5	3	4	1
		15	1016.7	-	19.8	3.9	15.2	65	5.4	0	7	5	16	3	0	0	0	0	0	0	0	3	10	10	8	0	0	0	11	20	0	4	10	1	1	4	6	4	1
		21	1017.1	-	16.6	2.1	15.0	78	5.2	1	6	5	13	6	0	0	0	0	0	0	0	6	12	10	3	0	0	0	3	25	3	4	8	2	0	3	6	5	0
OXFORDSHIRE																																				
BENSON	74	3	1016.7	-	12.5	0.9	13.0	89	5.8	1	4	5	11	10	0	0	0	0	0	0	2	9	8	9	3	0	0	2	23	6	11	2	0	1	4	3	3	1
		9	1017.1	-	15.9	2.5	13.5	75	5.6	1	4	6	14	6	0	0	0	0	0	0	1	5	8	8	9	0	0	0	8	23	0	12	3	2	0	1	4	8	1
		15	1016.4	-	20.3	4.6	14.3	60	5.6	0	5	7	13	6	0	0	0	0	0	0	0	1	3	15	12	0	0	0	15	15	1	8	6	1	0	0	3	11	1
		21	1017.1	-	15.7	2.0	14.2	79	4.3	1	12	4	10	4	0	0	0	0	0	0	0	2	12	9	8	0	0	0	4	24	3	9	5	1	0	3	5	5	0
BRIZE NORTON	92	3	1016.8	-	12.2	1.0	12.7	89	5.2	1	9	2	9	10	0	0	0	0	0	0	2	6	8	13	2	0	0	0	4	23	4	4	7	3	0	0	7	6	0
		9	1017.3	-	15.6	2.6	12.9	73	5.5	2	6	1	13	9	0	0	0	0	0	0	0	7	8	8	8	0	0	0	16	15	0	2	11	2	1	1	5	6	3
		15	1016.6	-	19.8	4.9	13.1	57	5.5	0	6	5	18	2	0	0	0	0	0	0	0	0	7	13	11	0	0	0	21	10	0	3	11	2	0	1	6	6	2
		21	1017.2	-	15.9	2.5	13.5	74	4.8	3	7	3	12	6	0	0	0	0	0	0	0	4	10	14	3	0	0	0	5	26	0	3	11	3	0	2	7	4	1
5 ENGLAND SE & CENT. S.																																				
GREATER LONDON																																				
HEATHROW	26	3	1016.5	-	13.7	1.2	13.7	87	5.0	2	9	2	7	11	0	0	0	0	0	0	0	9	12	10	0	0	0	3	27	1	9	5	0	0	0	6	8	2
		9	1017.1	+ 0.7	16.7	2.9	13.6	71	5.4	1	5	4	16	5	0	0	0	0	0	0	0	4	11	12	4	0	0	0	10	21	0	11	5	1	0	0	3	8	3
		15	1016.3	-	21.1	5.4	13.6	54	5.3	1	4	10	12	4	0	0	0	0	0	0	0	0	6	20	5	0	0	0	16	15	0	5	9	2	0	1	6	7	1
		21	1016.9	-	17.4	3.1	14.0	71	4.8	0	8	9	10	4	0	0	0	0	0	0	0	2	15	13	1	0	0	0	6	25	0	9	5	2	1	2	6	5	1
KEW	10	3	1016.8	-	13.5	1.7	12.8	82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1017.2	+ 0.8	16.5	3.4	12.9	68	5.2	2	5	6	13	5	0	0	0	0	0	0	0	4	10	13	4	0	0	2	28	1	5	8	4	0	0	3	6	4
		15	1016.5	-	20.4	6.0	12.5	52	5.2	0	6	7	13	5	0	0	0	0	0	0	0	0	7	18	6	0	0	0	9	22	0	5	7	5	0	0	4	2	1
		21	1017.1	-	16.6	3.4	13.0	69	4.8	1	8	7	10	5	0	0	0	0	0	0	0	2	13	13	3	0	0	0	3	27	1	3	10	2	1	1	7	5	1
LONDON	24	3	1016.3	-	14.4	1.9	13.2	80	5.4	2	5	5	12	7	0	0	0	0	0	0	0	8	12	11	0	0	0	6	25	0	12	4	0	0	0	7	7	1
WEATHER CENTRE (X)		9	1016.9	-	16.7	3.2	13.1	69	5.3	3	3	7	11	7	0	0	0	0	0	0	1	3	13	11	3	0	0	0	11	19	1	12	5	0	0	0	3	8	2
		15	1016.1	-	20.9	5.7	12.9	52	5.4	2	3	8	13	5	0	0	0	0	0	0	0	1	6	17	7	0	0	0	10	13	0	8	6	2	1	1	6	7	0
		21	1016.8	-	17.6	3.4	13.5	67	4.8	1	8	4	15	3	0	0	0	0	0	0	0	4	9	16	2	0	0	0	11	20	0	6	8	2	0	2	7	3	3
WILTSHIRE																																				
BOSCOMBE DOWN	128	3	1016.7	-	12.0	0.8	12.7	90	5.0	4	2	7	12	6	0	0	0	0	1	0	1	9	7	12	1	0	0	3	25	3	7	4	1	0	3	3	8	2
		9	1017.1	+ 0.2	16.0	2.6	13.4	74	5.2	2	6	4	15	4	0	0	0	0	0	0	0	6	7	7	11	0	0	0	9	22	0	8	6	3	0	1	4	7	2
		15	1016.4	-	19.6	4.5	13.7	60	5.6	0	3	10	15	3	0	0	0	0	0	0	0	3	10	8	13	0	0	0	13	18	0	6	7	3	0	2	3	10	1
		21	1017.1	-	15.5	2.3	13.5	76	4.9	1	8	5	13	4	0	0	0	0	0	0	0	3	12	11	5	0	0	0	3	28	0	6	8	2	0	3	3	8	1
LYNEHAM	149	3	1017.0	-	12.3	0.9	12.8	89	5.2	3	8	1	7	12	0	0	0	0	1	1	2	5	8	13	1	0	0	0	6	24	1	4	11	0	0	0	8	6	1
		9	1017.4	+ 0.8	14.9	2.1	13.2	78	5.8	1	6	2	11	11	0	0	0	0	1	0	0	1	9	6	8	7	0	0	0	17	14	0	3	11	3	0	0	6	5	3
		15	1016.6	-	19.2	4.2	13.9	62	5.5	0	6	4	17	4	0	0	0	0	0	0	0	1	9	12	9	0	0	0	18	13	0	3	7	4	2	1	5	7	2
		21	1017.3	-	15.5	2.4	13.4	75	4.5	1	11	3	10	6	0	0	0	0	0	0	0	2	10	15	4	0	0	0	11	20	0	3	13	1	0	1	6	7	0
UPAVON	183	9	1017.3	-	15.5	1.8	14.4	81	5.6	2	4	3	15	7	0	0	0	0	0	0	1	8	4	16	2	0	0	0	9	22	0	6	9	2	0	2	4	7	1
		15	1016.6	-	19.7	3.6	15.6	68	5.6	0	6	5	17	3	0	0	0	0	0	0	0	1	10	11	9	0	0	0	16	15	0	3	12	1	0	2	2	9	1
		21	1017.3	-	15.1	1.3	14.8	86	4.6	1	9	5	11	5	0	0	0	0	0	0	0	4	16	7	4	0	0	5	25	1	4	11	1	0	2	2	10	0

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JULY 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: DEPRESSION OF WET BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: VAPOUR PRESSURE (MB)	MEAN TEMPERATURE AND HUMIDITY: RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	CLOUD AMOUNT OKTAS: NUMBER OF OBSERVATIONS 0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: NUMBER OF OBSERVATIONS 0 - 39M	40 - 199M	200 - 399M	400 - 999M	1000 - 1999M	2000 - 3999M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
5 ENGLAND SE & CENT. S. -CONTD.																																										
KENT																																										
DUNGENESS	7	3	1015.9	-	-	-	-	-	4.9	3	6	6	6	9	1	0	0	0	1	1	0	3	8	18	0	0	1	16	14	0	9	6	0	0	0	2	13	1
		9	1016.4	-	16.3	1.9	14.9	80	6.2	2	0	6	13	9	1	0	0	0	1	0	0	6	9	15	0	0	1	22	8	0	7	9	1	0	0	5	8	1
		15	1016.3	-	-	-	-	-	4.9	4	6	3	11	7	0	0	0	0	1	0	0	3	10	15	2	0	0	27	4	0	1	8	8	0	1	6	7	0
		21	1016.6	-	-	-	-	-	5.4	2	4	7	10	8	0	0	0	0	0	0	1	16	14	0	0	0	0	22	8	1	5	9	2	0	0	7	5	2
MANSTON	45	3	1015.8	-	13.6	1.0	13.9	89	5.4	2	5	4	9	11	0	0	0	0	0	1	1	5	10	13	1	0	0	14	17	0	9	6	1	0	1	10	3	1
		9	1016.3	-	16.2	2.0	14.6	79	6.0	1	3	6	9	12	0	0	0	0	0	0	2	5	11	10	3	0	0	15	16	0	12	5	0	1	0	5	5	3
		15	1016.1	-	18.3	3.3	14.4	69	4.9	2	6	5	14	4	0	0	0	0	0	1	1	2	9	12	6	0	0	22	9	0	7	10	1	1	0	7	4	1
		21	1016.5	-	14.7	1.4	14.2	84	5.3	2	6	2	14	7	0	0	0	0	1	0	0	7	8	12	3	0	1	15	15	0	10	5	1	1	4	7	2	1
HAMPSHIRE																																										
SOUTHAMPTON WEATHER CENTRE (X)	9	3	1016.7	-	14.1	1.4	13.8	85	4.9	3	6	4	13	5	0	0	0	0	0	0	0	5	12	13	1	0	0	2	29	0	6	8	1	0	1	1	12	2
		9	1017.3	-	17.1	3.2	13.5	69	5.2	3	4	5	13	6	0	0	0	0	0	0	1	2	11	15	2	0	0	5	26	0	7	9	2	0	1	2	9	2
		15	1016.8	-	20.7	5.0	13.9	57	5.5	0	4	6	18	3	0	0	0	0	0	0	1	12	16	2	0	0	0	10	21	0	5	6	2	2	3	5	7	1
		21	1017.2	-	17.5	2.9	14.5	72	4.7	1	8	6	12	4	0	0	0	0	0	0	4	14	13	0	0	0	0	3	27	1	4	8	1	3	0	2	11	1
WEST SUSSEX																																										
GATWICK	60	3	1016.5	-	12.7	0.6	13.7	93	5.1	2	6	6	9	8	0	0	0	0	0	0	1	17	9	3	1	0	0	3	25	3	8	4	1	0	0	8	4	3
		9	1016.9	+ 0.3	16.7	2.7	14.0	73	5.2	0	7	6	13	5	0	0	0	0	0	1	0	7	7	11	5	0	0	12	19	0	7	6	4	0	0	3	7	4
		15	1016.4	-	20.3	4.7	14.1	59	5.2	2	5	6	14	4	0	0	0	0	0	0	0	2	8	17	4	0	0	0	13	18	0	4	7	5	0	1	4	10	0
		21	1017.0	-	15.7	1.8	14.5	81	4.7	1	8	8	7	7	0	0	0	0	0	0	0	6	14	10	1	0	0	5	24	2	1	11	2	0	1	10	4	0
EAST SUSSEX																																										
HERSTMONCEUX	28	3	1016.6	-	12.6	0.5	13.7	93	4.7	2	9	4	7	9	0	0	0	1	1	1	1	7	13	7	0	0	0	3	22	6	10	4	1	0	0	5	5	0
		9	1017.0	-	16.6	2.1	15.0	79	4.8	1	4	15	6	5	0	0	0	0	0	0	1	3	10	7	0	0	0	7	24	0	11	6	0	1	1	2	7	3
		15	1016.9	-	18.9	3.1	15.7	72	5.3	0	7	5	14	5	0	0	0	0	0	0	0	0	8	17	6	0	0	1	10	20	0	5	9	1	1	2	8	4	1
		21	1017.3	-	14.7	1.1	14.8	88	4.8	4	5	5	9	8	0	0	0	0	0	0	1	4	11	13	2	0	0	3	24	4	10	4	1	0	2	5	4	1
7A ENGLAND NW & I.O.M.																																										
CUMBRIA																																										
CARLISLE	28	3	1015.7	-	11.9	0.7	12.9	92	5.7	1	3	6	16	5	0	0	0	0	0	0	1	4	9	16	1	0	0	2	26	3	0	2	11	1	0	8	6	0
		9	1016.1	+ 1.7	15.5	2.1	13.8	78	5.5	1	4	5	14	7	0	0	0	0	0	0	0	2	6	17	6	0	0	0	6	25	0	1	2	9	2	2	6	7	2
		15	1015.4	-	19.2	3.9	14.5	66	5.4	0	4	11	10	6	0	0	0	0	0	0	0	0	4	14	13	0	0	0	9	22	0	1	2	7	1	2	2	15	1
		21	1015.9	-	15.1	1.8	14.1	81	5.2	0	6	7	17	1	0	0	0	0	0	0	1	0	6	16	8	0	0	0	2	28	1	0	1	10	3	0	8	7	1
LANCASHIRE																																										
SQUIRES GATE	11	3	1016.1	-	12.9	0.8	13.5	90	5.0	2	6	6	11	6	0	0	0	0	0	0	1	6	8	14	2	0	0	0	9	22	0	1	3	11	1	2	2	7	4
		9	1016.7	+ 1.6	16.5	2.4	14.4	76	5.6	3	3	3	17	5	0	0	0	0	1	0	1	0	8	16	5	0	0	0	10	21	0	1	2	9	1	3	5	5	5
		15	1016.3	-	18.6	3.0	15.5	72	5.2	0	7	8	9	7	0	0	0	0	0	0	2	3	3	15	8	0	0	1	17	13	0	0	0	7	0	2	2	12	8
		21	1016.6	-	15.6	1.6	14.8	83	5.0	1	7	5	16	2	0	0	0	0	0	0	0	2	8	18	3	0	0	1	8	22	0	1	4	8	0	1	6	7	4
MERSEYSIDE																																										
SPEKE	24	3	1016.4	-	13.3	1.2	13.2	86	5.0	3	5	6	12	5	0	0	0	0	0	1	0	9	6	14	1	0	0	4	25	2	0	5	5	1	5	1	6	6
		9	1016.9	+ 1.5	16.4	2.5	13.9	74	5.5	1	5	5	17	3	0	0	0	0	0	1	3	7	4	12	4	0	0	0	8	22	1	0	2	6	3	6	1	4	8
		15	1016.3	-	19.4	3.9	14.7	65	5.4	0	7	5	14	5	0	0	0	0	0	1	1	3	10	7	10	0	0	0	13	18	0	1	0	5	4	1	3	5	12
		21	1016.7	-	15.7	1.9	14.4	80	5.4	1	5	4	19	2	0	0	0	0	0	0	1	7	8	13	3	0	0	0	7	24	0	1	2	8	0	2	3	5	10
GREATER MANCHESTER																																										
MANCHESTER WEATHER CENTRE (X)	42	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1017.1	-	16.0	3.1	12.6	70	5.7	0	5	5	15	6	0	0	0	0	0	0	1	7	10	10	3	0	0	0	3	27	1	2	6	4	0	6	4	7	1
		15	1016.7	-	18.6	4.5	12.6	60	6.0	0	4	5	14	8	0	0	0	0	0	0	0	6	10	13	2	0	0	0	8	23	0	1	0	8	1	1	2	6	11	1
		21	1017.1	-	16.4	2.9	13.3	71	4.9	2	5	9	11	4	0	0	0	0	0	0	0	7	12	11	1	0	0	0	3	27	1	0	10	2	0	0	8	6	4
RINGWAY	84	3	1016.4	-	13.0	1.2	13.0	86	5.3	1	6	7	10	7	0	0	0	0	0	1	1	11	5	14	0	0	0	0	3	26	2	1	7	3	0	9	1	6	2
		9	1016.9	+ 1.7	15.9	2.7	13.1	73	5.5	1	6	4	14	6	0	0	0	0	0	1	2	7	10	11	0	0	0	0	11	20	0	4	7	2	0	5	4	4	5
		15	1016.4	-	18.8	4.3	13.3	62	5.5	0	5	7	11	8	0	0	0	0	0	1	2	11	13	4	0	0	0	0	18	13	0	1	3	7	0	4	4	10	2
		21	1016.8	-	16.1	2.4	13.9	76	4.8	2	6	6	15	2	0	0	0	0	0	1	5	17	8	0	0	0	0	0	7	24	0	0	0	6	6	1	1	7	3
ISLE OF MAN																																										
POINT OF AYRE	9	3	1016.2	-	13.0	0.6	14.0	93	5.0	1	5	12	4	9	0	0	0	0	1	0	0	0	5	3	22	0	1	19	7	4	0	4	3	1	2	2	10	5
		9	1016.8	+ 2.3	14.9	1.6	14.1	83	5.6	2	3	6	8	12	0	0	0	0	0	0	0	2	6	10	13	0	1	18	12	0	2	3	6	1	5	2	6	6
		15	1016.5	-	17.4	2.6	14.8	75	5.2	2	4	9	9	7	0	0	0	0	0	0	1	1	6	13	10	0	2	13	16	0	1	5	1	4	1	4	10	5
		21	1016.5	-	14.8	1.2	14.6	87	5.4	0	4	10	13	4	0	0	0	0	0	0	1	4	16	10	0	1	14	14	2	0	1	4	0	3	3	11	7
RONALDSWAY	21	3	1015.9	-	12.7	1.0	13.0	88	4.9	2	8	3	12	3	3	0	1	1	1	0	0	3	5	10	10	0	1	13	15	2	7	5	3	0	2	1	9	2
		9	1016.4	+ 1.6	14.7	1.8	13.5	81	6.1	1	2	7	10	9	2	0	0	2	0	0	0	5	7	6	6	0	2	15	14	0	2	3	8	1	3	5	6	3
		15	1016.3	-	16.8	2.9	13.6	72	5.1	2	5	7	10	6	1	0	0	0	1	0	1	2	0	10	8	9	0	1	15	15	0	2	0	10	0	5	4	4	6
		21	1016.4	-	14.6	1.6	13.7	82	5.4	0	8	5	11	7	0	0	0	0	0	0	1	4	7	9	10	0	0	15	10	6	3	5	0	0	3	2	7	5
7B WALES N																																										
GWYNEDD																																										
BARDSEY ISLAND	19	3	1016.8	-	13.8	0.5	14.9	94	5.2	2	3	11	7	7	1	0	1	0	0	1	0	3	24	2	0	0	3	10	15	3	6	2	3	1	4	2	5	5
		9	1017.3	-	14.7	0.9	15.2	91	6.0	1	1	10	8	9	2	0	1	2	0	0	0	5	13	8	2	0	4	13	12	2	6	1	2	1	4	3	8	4
		15	1017.2	-	15.5	0.8	16.1	91	4.8	1	5	10	9	5	1	0	1	0	1	0	0	2	17	7	3	0	3	8	20	0	7	0	1	0	6	6	6	5
		21	1017.1	-	14.5	0.6	15.4	93	5.6	0	2	10	13	5	1	0	1	0	0	0	0	2	19	7	2	0	2	8	17	4	10	1	0	0	3	5	5	3
VALLEY	11	3	1016.5	-	13.6	1.4	13.2	85	5.4	4	4	2	10	10	1	0	0	0	1	1	2	6	11	9	1	0	1	13	16	1	4	8	2	0	5	4	4	3
		9	1017.0	+ 1.6	16.0	2.6	13.4	74	5.5	1	6	3	13	8	0	0	0	0	0	1	0	3	8	13	3	0	4	14	13	0	2	6	3	0	5	6	3	6
		15	1016.8	-	18.4	3.7	13.9	66	4.8	2	7	5	11	6	0	0	0	0	1	0	1	7	6	8	8	0	3	19	9	0	2	9	0	0	3	9	4	4
		21	1017.0	-	15.0	1.7	13.9	82	5.4	1	7	3	12	8	0	0	0	0	1	0	0	9	8	8	5	0	2	12	17	0	3	10	0	0	4	5	5	4
8A WALES S																																										
DYFED																																										
ABERPORTH	134	3	1017.1	-	13.5	1.0	13.7	89	5.5	2	5	5	9	8	2	0	2	0	0	0	1	7	4	12	5	0	1	9	21	0	2	2	5	3	5	3	5	6
		9	1017.5	+ 1.4	15.3	1.7	14.2	82	5.7	3	2	4	16	6	0	0	0	0	2	0	1	6	8	13	2	0	1	12	18	0	4	5	2	3	5	1	6	5
		15	1017.4	-	16.5	2.2	14.7	78	5.0	1	8	5	10	7	0	0	0	0	1	1	1	4	6	12	6	0	0	13	18	0	5	5	0	1	2	3	5	10
		21	1017.5	-	14.8	1.4	14.3	85	5.4	0	6	8	12	4	1	0	1	0	0	0	1	5	11	9	4	0	0	11	19	1	2	2	4	2	2	5	8	5
BRAWDY	116	3	1017.2	-	12.9	0.8	13.5	90	4.7	6	1	7	12	5	0	0	1	1	0	1	0	0	10	5	11	2	0	0	8	23	0	5	6	4	3	1	4	4	4
		9	1017.6	-	15.3	1.8	14.2	82	5.8	1	4	4	14	8	0	0	1	0	1	0	0	7	9	9	4	0	0	17	14	0	6	3	6	2	4	4	4	2
		15	1017.6	-	17.0	2.6	14.4	74	5.5	1	3	9	11	7	0	0	0	2	0	1	0	3	5	5	8	8	0	0	22	9	0	12	2	0	1	0	7	6	3
		21	1017.7	-	13.9	0.9	14.3	90	5.2	0	9	3	13	6	0	0	1	0	1	0	1	10	7	8	3	0	0	9	21	1	7	6	0	0	1	4	8	4
BRYNAMMAN	-	9	-	-	15.9	2.5	13.5	75	5.4	1	5	6	10	8	1	1	0	0	0	1	1	3	17	8	0	0	0	1	27	3	1	7	6	0	5	2	2	7	4
		15	-	-	19.0	4.1	13.8	64	5.5	0	5	6	13	7	0	0	0	0	2	1	1	5	10	13	0	0	0	3	26	2	3	6	0	3	0	6	6	5
		21	-	-	15.3	2.1	13.6	78	5.1	2	6	4	15	3	1	1	0	0	0	1	0	6	12	11	0	0	0	1	17	13	2	4	1	1	1	0	6	3
MILFORD HAVEN C.B.	39	3	1017.1	-	14.0	0.9	14.5	90	4.0	11	2	5	4	9	0	0	0	0	0	0	0	10	10	11	0	0	0	1	4	24	2	7	6	3	0	1	3	7	2
		9	1017.6	+ 1.0	16.0	1.7	15.0	82	4.9	4	3	10	9	5	0	0	0	0	0	0	1	9	10	11	0	0	0	11	19	1	7	2	4	4	0	3	4	2	4
		15	1017.5	-	18.3	2.7	15.7	75	4.8	2	7	7	9	6	0	0	0	0	0	0	0	14	7	10	0	0	0	14	15	2	4	1	1	0	0	10	7	6
		21	1017.4	-	15.6	1.3	15.3	86	4.4	6	4	7	9	5	0	0	0	0	0	0	1	8	16	6	0	0	0	4	26	1	11	2	1	0	0	4	9	3
WEST GLAMORGAN																																										
HUMBLES HEAD	37	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1017.7	-	16.2	2.2	14.3	78	5.4	3	3	6	11	7	1	0	1	0	0	0	14	3	7	6	0	3	12	16	0	4	2	3	6	2	3	9	2	
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1017.5	-	16.5	2.2	14.6	78	5.4	1	7	5	6	11	1	0	0	1	0	0	1	7	7	12	3	0	2	12	15	2	9	3	1	1	2	2	10	1

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JULY 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT								VISIBILITY									WIND SPEED AND DIRECTION															
									OKTAS																	BEAUFORT FORCE															
																										8 OR MORE	6-7	4-5	1-3	CALM											
																										SPEED (KT)															
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 190M	200 - 990M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																																	
8A WALES S -CONTD. MID GLAMORGAN																																								
CILFYNYDD	195	3	1017.3	-	12.5	1.1	12.7	87	4.6	7	2	7	3	12	0	0	0	0	0	0	0	15	16	0	0	0	0	1	2	16	12	2	9	0	0	0	1	5	2
		9	1017.5	-	15.6	2.9	12.4	71	4.8	6	3	4	10	7	1	0	0	1	0	0	0	5	21	3	0	0	0	0	5	21	5	1	10	2	0	0	6	4	3
		15	1016.9	-	19.0	4.3	13.5	62	5.8	1	2	6	13	9	0	0	0	0	0	0	0	6	20	5	0	0	0	0	10	21	2	2	8	5	1	0	3	6	2
		21	1017.3	-	15.6	2.7	12.9	73	4.9	3	5	8	6	9	0	0	0	0	0	0	0	6	24	1	0	0	0	0	1	22	8	2	9	1	0	0	2	8	1
SOUTH GLAMORGAN																																								
RHOOSE	69	3	1016.7	-	13.1	1.0	13.4	88	4.9	1	11	2	6	10	1	0	0	1	0	0	0	5	12	12	1	0	0	0	6	25	0	0	11	4	1	1	0	10	4
		9	1017.4	+ 0.7	16.1	2.5	13.6	74	5.1	1	6	7	12	4	1	0	0	0	1	0	0	5	13	8	3	0	0	0	14	17	0	1	5	9	1	1	2	9	3
		15	1016.8	-	19.3	4.0	14.5	65	5.4	0	5	6	15	5	0	0	0	0	0	0	0	7	10	7	0	0	0	0	19	12	0	1	3	6	1	1	1	12	3
		21	1017.1	-	15.4	1.8	14.4	81	4.7	0	10	6	8	6	1	0	1	0	0	0	1	7	9	10	3	0	0	0	8	23	0	1	7	4	0	1	0	15	3
8B ENGLAND SW AVON																																								
FILTON	61	3	1016.9	-	13.3	1.2	13.3	86	5.3	3	4	4	13	7	0	0	0	0	0	0	0	1	7	10	12	9	0	0	0	4	26	1	1	9	5	1	1	1	8	4
		9	1017.5	+ 1.0	16.2	2.5	13.8	75	5.3	2	5	5	9	10	0	0	0	0	0	0	0	1	7	7	11	5	0	0	0	6	25	0	1	12	2	0	1	2	12	1
		15	1016.8	-	19.8	4.3	14.4	62	5.5	1	5	7	14	4	0	0	0	0	0	0	0	3	8	12	8	0	0	0	18	13	0	3	9	3	0	0	2	10	4
		21	1017.2	-	16.5	2.4	14.4	76	4.9	1	7	6	12	5	0	0	0	0	0	0	1	2	11	14	3	0	0	0	8	23	0	1	8	7	0	0	2	11	2
SOMERSET																																								
EXTON	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	14.4	1.7	13.4	82	5.6	2	4	8	5	10	2	0	1	0	1	1	2	10	4	7	5	0	0	3	28	0	4	6	7	0	4	1	7	2
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	13.2	1.0	13.5	89	4.9	3	6	3	11	7	1	0	0	1	0	0	1	9	10	6	4	0	0	1	28	2	11	2	2	0	2	0	11	1
YEOVILTON	23	3	1016.8	-	13.1	1.1	13.3	87	5.5	2	2	8	9	10	0	0	1	0	0	0	4	9	13	4	0	0	0	3	16	12	1	6	1	0	1	3	8	1
		9	1017.4	-	16.6	2.8	13.7	72	5.4	1	5	5	14	6	0	0	0	0	0	0	1	9	10	11	0	0	0	0	12	18	1	4	5	5	0	3	7	6
		15	1016.8	-	20.2	4.7	14.0	59	5.6	0	3	8	15	5	0	0	0	0	0	0	1	9	6	15	0	0	0	2	14	15	0	3	5	8	0	3	3	6
		21	1017.2	-	16.5	2.5	14.2	75	4.4	1	10	8	5	7	0	0	0	0	0	0	1	6	13	11	0	0	0	0	6	19	6	5	4	4	0	2	0	9	1
DORSET																																								
HURN	11	3	1016.7	-	12.7	0.7	13.6	92	4.5	5	5	6	6	9	0	0	0	0	1	1	0	10	10	9	0	0	0	0	3	24	4	8	4	1	0	0	6	6	2
		9	1017.3	-	16.9	2.7	14.2	74	5.0	2	5	7	12	5	0	0	0	0	0	1	1	6	14	5	0	0	0	0	13	18	0	7	8	2	0	1	3	7	3
		15	1016.9	-	20.0	4.3	14.5	62	5.4	1	4	7	13	6	0	0	0	0	0	0	0	5	10	11	5	0	0	0	14	17	0	5	5	3	2	3	8	3	2
		21	1017.2	-	16.2	1.9	14.9	80	5.1	1	5	8	13	4	0	0	0	0	0	0	0	6	12	9	4	0	0	0	2	26	3	4	5	3	1	0	5	9	1
PORTLAND BILL.C.G.	54	3	1017.1	-	14.0	0.7	14.7	92	4.4	5	8	3	3	11	1	1	0	0	0	1	4	17	8	0	0	2	18	10	1	3	6	7	0	0	0	0	11	3
		9	1017.9	-	15.7	1.5	15.1	85	5.0	3	5	7	8	7	1	0	1	0	0	1	2	5	11	10	1	0	1	15	15	0	4	5	8	0	0	0	1	9	4
		15	1017.7	-	17.5	1.9	16.2	81	4.8	3	5	6	12	5	0	0	0	0	0	0	1	7	10	11	3	0	1	13	17	0	1	2	10	2	0	4	9	3
		21	1017.8	-	15.3	1.2	15.2	87	5.3	2	3	9	8	9	0	0	0	0	0	1	2	7	13	8	0	0	1	10	19	1	4	4	7	0	0	2	6	7
DEVON																																								
EXETER	38	3	1016.9	-	13.3	0.8	14.1	91	4.5	7	4	3	11	6	0	0	0	1	1	0	0	0	6	11	10	2	0	0	3	23	5	4	7	3	0	3	1	7	1
		9	1017.5	+ 0.4	16.7	2.2	14.8	78	5.2	1	7	4	11	8	0	0	0	0	0	0	0	7	5	10	9	0	0	0	15	15	1	8	5	0	2	2	2	8	1
		15	1017.1	-	20.1	3.8	15.6	67	5.7	0	4	6	17	4	0	0	0	0	0	0	0	2	8	10	11	0	0	0	18	13	0	4	7	0	2	5	1	9	1
		21	1017.6	-	16.2	1.7	15.2	82	4.7	0	9	8	8	6	0	0	0	0	0	0	0	6	11	6	8	0	0	0	3	23	5	5	0	0	3	4	1	8	5
HARTLAND POINT	93	3	1017.2	-	14.3	1.1	14.3	88	4.8	4	4	8	6	7	2	0	2	0	0	0	0	0	13	6	10	0	0	2	14	14	1	3	2	8	1	2	2	8	4
		9	1017.7	-	15.3	1.6	14.6	83	5.3	2	3	8	12	5	1	0	1	0	0	0	0	4	13	6	7	0	2	15	13	1	3	9	3	0	1	2	6	5
		15	1017.8	-	16.5	2.1	14.8	79	5.3	0	5	8	11	6	1	0	1	0	1	0	1	3	12	4	10	0	2	11	16	2	9	5	2	1	0	3	8	4
		21	1017.6	-	15.6	1.4	15.1	85	5.3	2	2	12	6	7	2	0	1	0	1	0	1	3	10	7	8	0	1	14	14	2	4	5	5	0	0	3	10	2
MOUNT BATTEN	28	3	1017.1	-	14.5	1.0	14.8	89	5.0	2	7	5	9	8	0	0	0	0	0	0	0	9	12	10	0	0	0	4	27	0	3	3	12	0	0	1	8	4
		9	1017.7	+ 0.3	17.1	2.5	14.7	76	5.3	0	7	6	13	5	0	0	0	0	1	0	0	4	10	12	4	0	0	15	16	0	2	2	11	1	1	5	3	6
		15	1017.5	-	18.7	3.2	15.2	71	5.8	1	3	5	19	3	0	0	0	0	0	0	0	5	6	12	8	0	2	14	15	0	2	1	8	1	2	11	2	4
		21	1017.8	-	16.2	1.6	15.4	83	4.9	0	10	3	11	7	0	0	0	0	0	0	3	8	6	11	3	0	0	8	22	1	4	1	7	0	0	3	11	4
PRAWLE POINT	-	3	-	-	-	-	-	-	5.6	4	2	4	9	10	2	2	0	0	0	1	5	12	11	0	0	5	19	5	2	2	3	11	0	0	0	10	3
		9	-	-	-	-	-	-	5.4	2	3	8	9	8	1	1	0	0	0	0	1	10	8	11	0	0	4	22	4	1	1	2	14	0	0	0	11	2
		15	-	-	-	-	-	-	5.4	1	3	9	11	7	0	0	0	0	0	0	3	1	8	8	11	0	0	6	18	6	1	0	0	13	0	2	1	12	2
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CORNWALL																																								
GWENNAP HEAD	70	3	1017.5	-	14.5	1.0	14.7	89	5.0	5	3	5	8	9	1	0	0	1	0	0	1	6	7	14	2	0	3	16	11	1	4	4	10	0	0	3	4	5
		9	1018.1	-	16.0	1.8	14.8	81	5.0	1	7	6	11	5	1	0	1	0	0	0	1	12	4	10	3	0	4	18	8	1	4	3	8	3	0	1	3	4	4
		15	1018.4	-	16.9	2.2	15.0	78	4.6	1	9	7	7	6	1	0	0	0	0	2	8	6	12	2	0	2	17	10	2	4	0	1	6	0	4	4	4	10
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST MAWGAN	107	3	1017.4	-	14.0	0.9	14.5	90	5.3	2	4	5	12	8	0	0	1	0	0	0	1	8	13	5	10	1	0	0	7	24	0	6	4	6	1	3	1	6	4
		9	1017.9	+ 0.7	16.4	2.1	14.7	79	5.1	1	6	7	12	5	0	0	0	0	0	1	1	8	5	8	8	0	0	16	15	0	7	2	4	2	3	2	7	4
		15	1017.9	-	18.0	2.8	15.2	74	5.2	1	4	10	10	6	0	0	0	0	1	0	1	6	5	11	7	0	0	17	14	0	8	0	3	0	1	3	6	4
		21	1018.0	-	15.6	1.5	15.1	85	5.0	0	8	7	9	7	0	0	0	1	1	1	3	6	5	11	3	0	0	9	21	1	10	3	2	0	2	5	5	3
SCILLY	61	3	1018.4	-	14.5	0.5	15.7	94	5.2	1	9	5	5	10	1	0	0	1	0	0	1	2	6	11	11	1	0	2	7	17	5	7	2	4	0	1	3	2	4
		9	1019.0	+ 1.4	16.3	1.0	16.5	89	5.7	0	4	8	8	9	2	0	1	0	1	1	2	8	6	11	1	0	0	13	14	4	3	5	7	0	1	3	2	4
		15	1019.3	-	18.1	1.8	17.1	82	5.0	1	6	8	8	8	0	0	0	0	1	1	4	6	7	13	0	0	0	13	16	2	4	4	5	0	3	4	2	7
		21	1019.1	-	15.1	0.7	15.9	93	4.9	0	8	9	6	6	2	0	0	1	1	2	3	7	5	12	0	0	0	10	13	8	6	4	2	0	0	1	5	7
CHANNEL ISLANDS																																								
GUERNSEY AIRPORT	105	3	1017.1	-	13.5	0.7	14.3	92	4.4	4	6	7	8	4	2	1	1	1	0	0	1	8	7	8	4	0	0	13	17	1	2	11	3	1	1	4	5	3
		9	1017.6	-	15.5	1.5	14.9	84	4.6	3	8	4	8	8	0	0	0	3	0	1	1	6	7	7	6	0	0	18	12	1	5	6	4	2	0	3	6	4
		15	1017.7	-	17.4	2.4	15.2	77	3.7	4	11	4	8	4	0	0	0	0	0	0	1	5	9	6	0	0	0	21	10	0	6	9	3	0	0	5	8	0
		21	1017.9	-	14.5	1.1	14.6	88	5.1	0	8	5	14	4	0	0	0	1	0	0	1	10	7	7	5	0	0	10	21	0	4	4	5	1	0	2	10	5
JERSEY AIRPORT	83	9	1017.7	-	16.6	2.0	15.2	80	4.6	5	6	3	10	7	0	0	3	0	0	1	1	9	2	10	5	0	1	19	10	1	2	6	6	2	1	0	2	8	3
		15	1017.8	-	18.2	2.8	15.4	74	4.1	2	9	8	9	3	0	0	1	0	0	1	0	13	1	13	3	0	0	23	8	0	7	7	4	0	0	1	12	0
NORTHERN IRELAND LONDONDERRY																																								
MONEYDIG	35	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																																								
ALDERGROVE	73	3	1016.0	-	12.8	1.1	13.0	88	5.3	1	6	6	9	8	1	0	0	1	0	1	1	7	7	8	6	0	0	9	21	1	5	3	2	4	5	1	5	5
		9	1016.2	+ 1.6	15.6	2.1	13.9	78	5.5	1	3	9	12	6	0	0	0	0	0	0	1	7	8	11	5	0	0	10	21	0	4	5	2	3	6	1	4	6
		15	1015.9	-	18.6	3.8	14.1	67	5.6	0	5	6	13	7	0	0	0	0	0	0	2	7	8	9	12	0	0	13	18	0	2	4	2	5	3	3	6	6
		21	1016.3	-	15.4	2.0	13.9	80	5.4	0	5	6	17	3	0	0	0	0	0	0	1	4	7	14	5	0	0	10	21	0	4	1	4	5	5	1	7	4
TYRONE																																								
CARRIGANS	112	9	1016.4	-	15.6	1.6	14.8	83	5.4	1	5	6	12	7	0	0	0	0	0	2	0	0	10	5	8	6	9	0	0	4	20	7	3	0	0	4	4	3	4	8
		15	1016.0	-	18.7	3.1	15.5	72	5.7	0	4	8	13	6	0	0	0	0	0	0	0	0	6	6	9	0	0	8	22	1	4	5	0	4	5	4	7	4
		21	1016.6	-	14.8	1.3	14.5	86	5.8	1	3	4	15	8	0	0	0	0	0	0	0	9	13	5	4	0	0	3	20	8	0	1	0	1	4	4	7	9

TABLE 5 NUMBER OF DAYS WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS

JULY 1977

STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
LERWICK (PSYCHROMETER)	0	0	1	24	5	1	0	0	0	0	0	0	1	26	4	0
LERWICK (SCREEN)	0	0	0	25	5	1	0	0	0	0	0	0	1	26	4	0
STORNOWAY	0	0	0	16	13	2	0	0	0	0	0	0	0	13	18	0
CRAIBSTONE	0	0	0	8	16	7	0	0	0	0	0	0	1	18	12	0
ROTHESAY	0	0	0	0	23	1	7	0	0	0	0	0	0	10	20	1
ABBOTSINCH	0	0	0	0	19	4	8	0	0	0	0	0	0	9	20	2
ESKDALEMUIR (PSYCHROMETER)	0	0	0	4	20	5	2	0	0	0	0	0	2	18	11	0
ESKDALEMUIR (SCREEN)	0	0	0	3	20	4	4	0	0	0	0	0	2	18	11	0
DOUGLAS	0	0	0	6	17	8	0	0	0	0	0	0	0	2	28	1
BOULMER	0	0	0	7	22	2	0	0	0	0	0	0	0	15	15	1
HULL	0	0	0	1	17	11	2	0	0	0	0	0	0	6	24	1
GORLESTON	0	0	0	0	23	7	1	0	0	0	0	0	0	6	23	2

STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
CAMBRIDGE BOTANIC GARDENS	0	0	0	0	15	9	7	0	0	0	0	0	0	8	22	1
EDGBASTON	0	0	0	0	20	6	5	0	0	0	0	0	0	3	26	2
KEW (PSYCHROMETER)	0	0	0	0	13	11	7	0	0	0	0	0	0	5	22	4
KEW (NORTH-WALL SCREEN)	0	0	0	0	11	13	7	0	0	0	0	0	0	3	23	5
HASTINGS	0	0	0	0	16	12	3	0	0	0	0	0	0	1	28	2
SOUTHAMPTON	0	0	0	0	11	15	5	0	0	0	0	0	0	3	24	4
STONYHURST	0	0	0	2	19	6	4	0	0	0	0	0	0	10	20	1
VALLEY	0	0	0	0	22	6	3	0	0	0	0	0	0	2	28	1
RHOOSE	0	0	0	0	18	9	4	0	0	0	0	0	0	7	22	2
FALMOUTH	0	0	0	1	21	8	1	0	0	0	0	0	0	5	26	0
ALDERGROVE	0	0	0	1	20	7	3	0	0	0	0	0	0	6	24	1
ARMAGH	0	0	0	0	19	7	5	0	0	0	0	0	0	4	26	1

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

JULY 1977

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED							MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT	HOURS OF NO RECORD		HOURLY WIND				GUST			
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS						VEER FROM N	SPEED-KT	DAY	HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY	TIME
0 SCOTLAND N																				
SHETLAND	LERWICK	93	10	10		0	2	7	291	393	51	2	9.7	360	23	13	14	350	34	13	1124
ORKNEY	KIRKWALL AIRPORT	41	15	10		0	0	0	280	381	83	0	9.3	260	20	31	23	260	30	31	2048
WESTERN ISLES	BENBECULA	16	10	10		0	6	26	420	270	28	0	12.0	270	29	23	22	160	43	2	1230
	STORNOWAY	12	10	10		0	3	11	428	285	20	0	11.6	200	24	2	10	210	35	3	1018
HIGHLAND	DALCROSS	19	10	10		0	0	0	155	424	165	0	7.3	170	20	2	09	160	33	2	0924
	DOUNREAY	34	12	9		0	0	0	151	372	208	13	6.8	280	21	1	01	340	30	25	0536
	DUIRINISH	38	20	17		0	1	1	189	402	152	0	7.7		26	24	00		38	23	2348
	FORT AUGUSTUS	58	16	16		0	0	0	117	339	288	0	5.6	240	16	24	13	200	29	2	1348
	WICK	45	10	10		0	0	0	248	438	58	0	9.2	340	20	26	12	340	29	26	1548
1 SCOTLAND E																				
GRAMPIAN	ABERDEEN DYCE AIRPORT	68	10	10		0	0	0	196	407	141	0	7.8	320	20	25	09	260	34	24	0318
	FRASERBURGH	29	13	11		0	8	64	284	347	49	0	11.3	270	27	24	07	270	36	24	0524
	KINLOSS	18	13	13		0	0	0	216	424	104	0	8.2	240	19	24	05	250	31	24	0942
	LOSSIEMOUTH	17	10	10		0	0	0	233	372	139	0	8.1	280	21	16	12	280	30	16	1300
TAYSIDE	BELL ROCK	39	40	38		0	10	50	333	288	73	0	11.3	240	32	23	23	240	42	23	2254
	MYLNEFIELD	40	10			0	0	0	47	361	336	0	4.9	250	15	24	11	250	28	19	1324
	TUMMEL BRIDGE	161	16	16		0	0	0	38	428	278	0	5.3	270	17	24	14	270	32	24	1500
FIFE	LEUCHARS	25	13	13		0	1	6	203	412	123	0	8.2	250	25	24	10	250	35	24	1042
LOTHIAN	EDINBURGH TURNHOUSE AIRPORT	43	13	10		0	1	5	221	406	112	0	8.5	270	24	24	11	270	41	24	0836
	ROYAL OBSERVATORY, BLACKFORD HILL	159	10	10		0	4	31	266	393	54	0	10.4	240	28	23	11	250	45	23	2000
	FORTH ROAD BRIDGE	72		72		0	4	33	292	290	123	6	9.9	250	29	24	11		46	23	2054
6 SCOTLAND W																				
STRATHCLYDE	ABBOTSINCH AIRPORT	16	10	10		0	0	0	138	484	122	0	7.5	250	20	23	22	250	31	23	2136
	ARDROSSAN	24	20			0	6	16	413	265	50	0	11.8	300	27	26	20	240	43	23	1906
	DUNSTAFFNAGE	13	10	10		0	1	3	256	358	127	0	8.7	230	25	23	21	220	38	23	2054
	GREENOCK PORT	51	49			0	1	2	223	373	146	0	8.2	250	24	23	22	260	38	23	2306
	INCHTERF	55	15	12		0	0	0	165	450	125	4	7.5	230	21	23	21	220	40	23	1942
	LOWTHER HILL	754	27		2 9 10 16 23 24	31	15	132	298	247	34	2	14.9	200	41	2	14	260	61	24	0400
	MACHRIHANISH	22	12	12		0	5	21	344	302	77	0	10.5	160	25	17	11	280	37	24	0218
	PAISLEY	57	25	9		0	0	0	67	453	195	29	6.1	270	20	23	22	270	47	23	2236
	PRESTWICK AIRPORT	21	10	10		0	2	8	316	314	106	0	9.5	320	25	25	12	260	40	23	1924
	TIREE	24	16	12	23	1	5	36	465	224	18	0	12.7	250	34	23	19	240	47	23	1900
DUMFRIES AND GALLOWAY	ESKDALEMUIR	259	10	10		0	2	7	171	398	168	0	7.5	260	31	23	22	260	51	23	2212
	WEST FREUGH	25	10	10		0	0	0	214	394	97	39	8.3	180	21	2	11	180	33	2	1300
2 ENGLAND E & NE																				
NORTHUMBERLAND	BLYTH	19	10	10		0	2	12	267	330	104	31	9.3	260	27	24	09	260	45	24	0936
	BOULMER	33	10	10		0	1	1	167	450	126	0	7.6	270	22	24	10	270	37	24	0948
TYNE AND WEAR	SOUTH SHIELDS	22	17	13		0	2	10	278	280	176	0	8.5	280	23	24	10	280	37	24	1142
CLEVELAND	SOUTH GARE	22	14	15		0	9	60	360	240	84	0	11.7	280	30	24	10	280	44	24	1042
DURHAM	DURHAM	119	16	10		0	0	0	47	310	369	18	4.0	270	17	24	10	270	38	24	1118
NORTH YORKSHIRE	LEEMING	42	10	10		0	1	3	224	427	90	0	8.7	270	22	24	10	260	38	24	1206
	LINTON-ON-OUSE	23	9	10		0	1	5	185	405	149	0	7.7	260	23	24	12	250	39	24	1354
	SILPHO MOOR	207	15	9		0	0	0	45	338	361	0	4.7	340	14	24	08	340	41	24	0824
LINCOLNSHIRE	BINBROOK	118	10	10		0	2	8	372	336	28	0	10.8	270	25	24	14	280	38	24	1454
	CONINGSBY	16	10	10		0	1	1	240	410	93	0	8.8	260	23	18	15	220	33	23	2024
	CRANWELL	68	13	13		0	2	5	317	400	19	3	10.3	260	23	18	15	300	38	20	1412
	SCAMPTON	68	10	10		0	1	1	217	476	48	2	8.6	240	22	23	21	240	33	23	2118
	WADDINGTON	80	10	10		0	0	0	214	477	53	0	8.4	260	20	18	15	230	33	23	1542
3 EAST ANGLIA																				
NORFOLK	COLTISHALL	27	10	10		0	0	0	251	391	102	0	8.5	240	21	23	22	240	37	23	2248
	GORLESTON	16	13	13		0	2	12	413	232	24	63	12.1	010	24	9	03		38	14	

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED								HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT			HOURLY WIND				GUST			
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS				HOURS OF NO RECORD	MEAN HOURLY WIND SPEED (KT)	YEER FROM N	SPEED-KT	DAY	HOUR BEGINNING	YEER FROM N	SPEED-KT	DAY	TIME
3 EAST ANGLIA - CONTINUED																				
	MARHAM	29	10	10		0	0	0	285	380	79	0	9.0	240	19	23	22	010	33	31	1230
CAMBRIDGESHIRE	WITTERING	83	10	10		0	1	2	335	357	50	0	9.9	270	24	18	15	250	35	23	1918
	WYTON	45	10	10		0	0	0	278	421	45	0	9.1	270	19	18	16	240	33	23	2318
SUFFOLK	HONINGTON	60	13	13		0	0	0	283	404	57	0	9.1	250	20	18	14	230	33	24	0218
	WATTISHAM	105	17	10		0	1	1	415	304	17	7	11.0	240	23	18	15	250	34	18	1700
BEDFORDSHIRE	BEDFORD	94	13	9		0	1	1	296	414	33	0	9.6	270	22	18	13	270	34	18	1706
	CARDINGTON	70	41	41		0	3	17	329	351	47	0	10.6	270	26	1	11	270	36	1	1130
HERTFORDSHIRE	GARSTON	94	15	10		0	0	0	37	583	124	0	5.9	270	16	18	16	220	29	17	1642
	ROTHAMSTED	141	13	10																	
ESSEX	SHOEBURYNESS	17	14	12		0	0	0	250	458	22	14	9.1	060	19	8	14	220	30	17	1836
	STANSTED	108	10	10		0	0	0	264	440	40	0	8.8	290	19	18	18	280	32	20	1242
4 MIDLAND COUNTIES																					
SOUTH YORKSHIRE	FINNINGLEY	19	10	10		0	0	0	148	458	138	0	7.3	270	20	24	15	260	32	24	0012
	SHEFFIELD UNIVERSITY	146	29	15		0	0	0	190	430	119	5	7.8	270	20	18	07	270	37	18	0806
NOTTINGHAMSHIRE	WATNALL	133	16	10		0	0	0	185	484	75	0	8.1	220	18	23	20	220	34	23	2000
STAFFORDSHIRE	KEELE	215	15	10		0	0	0	23	357	364	0	4.0	240	14	23	16	270	33	1	0930
SALOP	SHAWBURY	84	12	10		0	0	0	159	450	135	0	7.6	250	21	1	09	210	33	23	1654
WEST MIDLANDS	BIRMINGHAM EDGBASTON	196	36	22		0	0	0	93	492	159	0	6.6	270	18	18	14	280	31	24	1324
	ELMDON AIRPORT	104	10	10		0	1	1	192	452	99	0	8.3	270	22	24	10	260	35	24	1042
HEREFORD & WORCS	PERSHORE	47	10	10																	
OXFORDSHIRE	BENSON	60	10	10		0	0	0	198	409	137	0	7.6	250	18	18	14	240	29	18	1236
	BRIZE NORTON	91	13	10		0	0	0	286	380	78	0	8.9	040	18	9	10	250	30	23	2300
	OXFORD					0	1	1	255	380	59	49	9.4	250	22	1	12	240	35	19	1236
5 ENGLAND SE & CENTRAL S																					
GREATER LONDON	HEATHROW AIRPORT	34	10	10		0	0	0	192	487	65	0	8.1	270	17	18	16	270	28	18	1542
	KEW	28	23	15		0	0	0	136	481	127	0	7.1	220	15	17	20	220	33	17	2000
	LONDON WEATHER CENTRE	93	70	38		0	0	0	290	437	17	0	9.9	260	20	18	17	260	36	18	1700
	POST OFFICE TOWER			174		0	11	99	590	55	0	0	16.6	290	29	18	17	290	39	18	1654
WILTSHIRE	BOSCOMBE DOWN	130	17	17		0	1	1	218	471	54	0	8.7	270	22	18	15	280	32	18	1512
	LARKHILL	145	13	10		0	0	0	218	468	58	0	8.6	260	20	18	15	270	35	18	1442
	LYNEHAM	159	14	11		0	1	2	299	387	56	0	9.5	260	22	18	14	250	33	18	1500
	PORTON	120	10	10		0	0	0	263	389	92	0	8.6	270	21	18	15	250	32	18	1212
KENT	DUNGENESS	16	10	10		0	4	9	553	169	13	0	13.4	230	25	17	23	230	39	17	2248
	ISLE OF GRAIN	15	12	10		0	0	0	233	455	56	0	9.0	220	21	17	20	220	34	17	2018
	DOVER	27	21	18																	
	MANSTON	62	18	18		0	5	9	459	246	30	0	12.0	220	26	17	21	220	39	17	2124
HAMPSHIRE	CALSHOT	15	13	10		0	1	1	316	395	32	0	10.1	250	22	17	17	260	34	17	2324
	FARNBOROUGH	75	10	10		0	0	0	91	533	120	0	6.8	210	17	17	18	260	30	18	1542
	MIDDLE WALLOP	94	10	10		0	0	0	260	399	85	0	8.9	270	21	18	15	250	37	18	1542
WEST SUSSEX	GATWICK AIRPORT	69	10	10		0	0	0	173	473	98	0	8.0	270	19	18	15	270	36	18	1500
	THORNEY ISLAND	16	10	10		0	0	0	229	422	93	0	8.5		20	17	21		33	20	
7A ENGLAND NW & I O M																					
CUMBRIA	CARLISLE	41	13	9		0	0	0	125	438	181	0	6.7	270	17	24	08	230	34	19	1430
	GREAT DUN FELL	857	10	10	2 23 24	28	17	183	383	136	8	6	17.3	250	41	24	07	260	51	23	2118
	MOOR HOUSE	595	13	12		0	5	31	249	353	111	0	9.6	250	29	24	00	250	44	24	0000
	SELLAFIELD	25	12	11		0	1	2	173	410	157	2	7.4	200	22	23	10	240	29	24	0348
LANCASHIRE	FLEETWOOD	34	15	9		0	5	29	222	315	178	0	8.8	320	25	25	18	270	40	18	1154
	SQUIRES GATE AIRPORT	22	12	11		0	5	27	266	426	25	0	10.3	230	24	23	18	230	37	23	1806
MERSEYSIDE	AIGBURTH	38	23	11		0	2	9	207	384	144	0	8.2	210	27	23	15	210	40	23	1518
	SPEKE AIRPORT	30	10	10		0	0	0	194	451	97	2	7.9	230	20	23	17	220	35	23	1654
GREATER MANCHESTER	MANCHESTER RINGWAY AIRPORT	80	10	10		0	0	0	230	383	131	0	8.3	260	21	24	10	260	34	24	1042
	WEATHER CENTRE	82	45	17		0	1	1	146	491	106	0	7.6	250	22	24	10	210	37	23	1912
ISLE OF MAN	POINT OF AYRE	20	10	10		0	4	20	372	308	39	5	11.3	310	26	25	11	260	37	23	1930
	RONALDSWAY	25	10	10		0	6	19	337	340	48	0	10.7	320	29	25	14	320	43	25	1436
7B WALES N																					
GWYNEDD	VALLEY	26	16	12		0	8	48	385	278	33	0	12.3	200	32	23	14	200	44	23	1418
8A WALES SOUTH																					
DYFED	ABERPORTH	144	10	10		0	4	12	281	387	64	0	9.8	240	26	1	02	240	36	1	0242
	BRAWDY	121	10	10		0	0	0	309	406	29	0	9.8	210	20	17	11	340	32	25	0906
	MILFORD HAVEN	47	10	10		0	1	1	187	499	56	1	8.4	210	24	17	12	210	36	17	1200
WEST GLAMORGAN	PORT TALBOT	28	12	11		0	1	5	209	328	202	0	7.4	260	23	18	13	320	35	25	1448
MID GLAMORGAN	CILFYNYDD	210	16	16	DEFECTIVE RECORD																
SOUTH GLAMORGAN	RHOOSE AIRPORT	74	10	10		0	0	0	289	355	100	0	9.0	260	20	1	03	260	34	1	0342
8B ENGLAND SW																					
AVON	AVONMOUTH	28	19	10		0	5	14	322	353	55	0	10.3	240	23	1	05	250	37	1	0006
SOMERSET	YEOVILTON	22	12	10		0	1	3	233	379	129	0	8.4	310	24	25	14	310	37	25	1448
DORSET	HURN AIRPORT	23	13	11		0	0	0	206	432	106	0	8.0	220	18	17	19	220	32	17	1942
	PORTLAND BILL CG	60	13	13		0	3	8	312	345	57	22	10.4	260	23	18	02	230	35	17	1900
DEVON	MOUNT BATTEN	64	13	13		0	2	11	238	421	74	0	9.1	230	31	17	16	230	40	17	1600
CORNWALL	CULDROSE					0	2	8	328	361	47	0	10.3	310	24	25	15	310	37	25	1654
	LIZARD	96	23	18		0	7	30	495	179	11	29	13.7	090	27	11	12	290	38	24	2224
	ST MAWGAN	120	13	13		0	0	0	278	393	73	0	9.2	320	20	25	04	320	31	25	0448
	SCILLY(ST MARYS)	70	20	17		0	3	6	278	337	123	0	9.3	320	22	25	05	110	39	12	0254
CHANNEL ISLANDS																					
	GUERNSEY AIRPORT	111	11	10		0	0	0	387	337	20	0	10.6	060	20	11	11	120	39	11	2206
	JERSEY AIRPORT	94	12	10		0	2	8	443	265	28	0	11.4	300	25	25	13	290	33	25	1318
NORTHERN IRELAND																					
LONDONDERRY	COLERAINE UNIVERSITY	33	10	10		0	1	1	208	380	134	21	8.0	270	22	23	17	270	36	23	1718
ANTRIM	ALDERGROVE	80	10	10		0	0	0	249	419	76	0	8.8	240	20	23	17	260	34	23	1742
	BALLYPATRICK FOREST	166	13	13		0	0	0	288	296	157	3	8.7	250	21	23	17	250	37	23	1742
	BELFAST HARBOUR	21	18	18		0	1	4	277	290	173	0	8.7	340	24	25	10	340	37	25	1106
DOWN	KILKEEL	36	19	14		0	0	0	107	378	257	2	6.0	140	17	17	09	140	28	17	0900
	ORLOCK HEAD	51	16	12		0	8	47	345	264	77	11	11.5	320	29	25	08	220	44	23	1836
TYRONE	CARRIGANS	129	10	10		0	0	0	129	380	226	9	6.4	240	16	23	16	240	32	17	1624
FERMANAGH	CASTLE ARCHDALE FOREST	79	13	13		0	0	0	185	395	164	0	7.4	260	17	23	18	260	31	23	1612

TABLE 3 ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL (TERMINAL H 09 GMT): PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	WEATHER (NUMBER OF DAYS): PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 0H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 0H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	BRIGHT SUNSHINE: PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
1976	MARCH	WHITEHILLOCKS											200	263																
	DECEMBER	GREENOCK																											1.21	192	
1977	JANUARY	COOLKEERAGH								30																				
		MONEYDIG																	9											
		BALLYPATRICK FOREST						4																			1			
		MILLTOWN	5.7	0.1	2.9		10.6	4,5	-5.5	12			93		24	25	16	12	5	4	0	0	0	2	19	26				
		HILLSBOROUGH															20													
		ARMAGH																								28				
		LOUGHGALL																	4											
		POMEROY FOREST					9.7																							
		STRABANE CONVENT															22	18												
		TIEVENNY		-0.6																										
		LISNASKEA		-0.4	2.7																									
		BALLYMONEY													-	-	-	-												
		LOWTOWN													29	25	18	15												
		TANDRAGEE															16	10												
		NEWTOWNABBEY											91	92			15	12							11					
		HELENSBURGH											87	59	16	25	19	17		5				1	18				1.55	
	FEBRUARY	BANAGHER (CAUGH HILL)						6,28																						
		LOUGHERMORE FOREST	5.8																											
		MONEYDIG																						5						
		BALLYPATRICK FOREST																											2.33	
		LISNAFILLAN												195																
		MALONE		1.5																										
		MILLTOWN	7.2																						7	17				
		ARMAGH																								18				
		LOUGHGALL												232																
		TANDRAGEE	7.5				9.5	28																						
		COOKSTOWN	6.3		3.2																									
	MARCH	GLENMORE LODGE																												S
		BANFF															20	12												
		WHITEHILLOCKS															26													
		BELLISTON															20													
		BLACKBURN SEWAGE WORKS	8.4	2.3	5.3		13.0	9	-2.6	29			83		13	31	21	20						0	5				2.94	
		AROS															21													
		KNAPDALE FOREST															20	17												
		CLATTERINGSHAWS		2.1																										
		LETHAMHILL FARM							-2.2																					
		CHOPWELLWOOD											58	135	10	15														
		WIDDYBANK FELL											125		19	15	25	22												
		YORK (HESLINGTON)	(9.6)	(2.9)	(6.3)				-1.5	25,29															4	5				
		GORLESTON											35	95			16	11												
		BOXWORTH																								9				
		CAMBRIDGE NIAB											34	96	5	13,26														
		EAST BERGHOLT											(38)		(11)	20	(17)	(10)												
		LUTON											54	123			18	13												
		ALDENHAM SCHOOL											69	156				12												
		WARSOP		3.2																										
		STONE											44	93	6	31	19	16												
		HAMPTON LOADE											45				17	15												
		PRESTON MONTFORD		(3.6)	(7.0)																				(4)					
		BIRMINGHAM KES											53	97				15												
		LUDDINGTON											36				17	12												
		LETCOMBE REGIS	10.2	3.7	6.9		17.0	2	-3.8	29	7.1		69	150	11	15	19	15	1	0	0	0	0	3	4	10		0		
		SHIRBURN (MODEL FARM)	10.3	3.9	7.1		17.8	2	-3.9	29			56		11	20	17	11	1	0	0	2	1	1	4	11		0		
		ENFIELD									(7.2)	(7.5)																		
		HARROW WEALD									(7.3)	(7.4)																		
		LAMBOURN (WARREN FARM)									(6.5)				(9)	15	(19)	(18)												
		HERNE BAY	10.6	4.3	7.5		18.0	2	-3.0	31	7.4		65		17	20	17	12	1	0	0	1	0	0	1	8		0	4.30	110	
		LONG SUTTON											(95)	(179)			(16)	(14)												
		SPARSHOLT																											3.16	
		SHANKLIN											74	121				13												
		RUSTINGTON											(59)																	
		STONYHURST																							(4)	19				
		ABER		4.8	8.0																									
		BWLCHGWYN	-	-	-		-	-	-	-			-	-	-	-	-	-							-	-				
		DALE FORT		5.8																										
		TRAWSCOED											85	108			18	16												
		LLANGENNY											105		31	15	(20)	(17)												
		PORT TALBOT																											(2.45)	
		SWANSEA											104	137			22	16											-	
		PORTHCAWL	11.1	5.3	8.2				-1.5	29															2					
		USK											101	142	29	15	22	17												
		BATH		(4.6)					-2.0	31	(7.3)						(20)	(15)							2					
		NETTLECOMBE											(93)				(18)	(16)												
		NETTLECOMBE (BIRDS HILL)		(3.7)	(6.5)				-1.6	1			118		18	15									1					
		RODNEY STOKE						2																					(2.75)	
		WINCANTON																												
		BOURNEMOUTH MEYRICK PARK	(10.5)	(4.9)																									(3.45)	180
		PORTLAND BILL CG											69		13	31														
		WINFRITH																						1						
		TEIGNMOUTH											97	151																
		FALMOUTH											90	105	18	31														
		PENZANCE											101	119																
		SCILLY (ST MARYS)											52	75	8	31														
		DERRYNOYD FOREST		2.8										146																
		PARKMORE FOREST						2			4.8																			

Averages for 1941-70 were brought into use on 1-1-1974. Additions or corrections for months prior to this date refer to the averages in use at the time.

(x) Urban rooftop site.

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THE METEOROLOGICAL OFFICE

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MONTHLY WEATHER REPORT

AUGUST 1977

VOLUME 94 NUMBER 8

METEOROLOGICAL OFFICE - 2 MAR 1978 LIBRARY

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

Mostly cool; sunny in north, thundery and very wet in south.

A ridge of high pressure which moved across southern districts at the beginning of the month was followed by frontal systems from the north-west and west. An anticylone then crossed northern areas, while slow-moving fronts affected southern England. Pressure was generally high from the 9th until about mid-month, but an occlusion moved slowly into western districts on the 14th. Fronts associated with continental depressions affected much of England and Wales between the 16th and the 22nd, and a ridge of high pressure over the British Isles on the 23rd was quickly succeeded by frontal systems from the west. A depression which moved up the English Channel on the 27th was followed by a ridge, but fronts from the Atlantic moved across all areas after the 28th.

Weather

Although northern and some western districts had a sunny month, temperatures were not exceptional and it was cool over England and Wales. Most places recorded their highest temperatures at the beginning of the month or during the second week. Rain or showers fell in many areas between the 4th and the 8th, but much of the second week was dry. Coastal fog formed most frequently during the first half of the month. The third week was very wet over the southern half of England and Wales and outbreaks of rain occurred more generally during the last week. Much of the August rainfall was thundery; hail fell in places and sleet was reported in the Grampians, where large patches of snow persisted at high levels.

Wind

Winds were occasionally fresh or strong in exposed places in the west and north during the first week and reached gale force locally on western coasts on the 4th and 5th. Fresh or strong winds occurred more frequently during the second half of the month, particularly from the 24th onwards, when speeds reached gale force at times on coasts and hills in the north. Maximum gusts were mostly recorded on the 24th, the 25th or on the 29th, when the high-level station at Cairngorm (Highland Region) had a gust of 71kt. Winds blew mostly from points between south-west and north-west until the 5th, but then became rather variable, and occasionally light, until around mid-month. Directions were then predominantly between east and north until the 24th, when south to south-westerly winds gradually spread over England and Wales. Northerlies prevailed on the 27th, but most districts had south-westerly winds towards the end of the month.

Temperature

Monthly mean temperatures were a little above average in the Isle of Man, about average in Northern Ireland, and mostly within 0.5 °C of average over Scotland. Over England and Wales mean temperatures were below normal, except in a few places in the west and north, mostly by not more than 1.0 °C, but by between 1.0 and 1.5 °C at one or two places in southern England. The first few days of the month were warm, particularly in eastern districts and in central England, where the temperature rose to 28.3 °C at Warsop (Nottinghamshire) on the 1st. Some eastern and southern counties of England remained warm until the 5th, but it became cooler generally and a slight air frost occurred in parts of Scotland on the night of the 5th/6th. Western areas, especially the north-west, enjoyed some warm days during the second week, but the east coast was cool. There were a few warm days in the second half of the month, but it was mostly cool and the night of the 27th/28th was very cold in Scotland and northern England with an air frost in several places.

Rainfall

Monthly rainfall totals were above average in Orkney and Shetland, in parts of eastern and south-western Scotland, in a few places in Northern Ireland and along the Welsh coast, but the largest area with above-average rainfall was south of a line from the Humber to the Bristol Channel. Totals exceeded 200 per cent of the normal in parts of the south Midlands and East Anglia, and also in counties to the west of London. Some places in the Thames Valley, and on Salisbury Plain, had more than 250 per cent of their normal amount of rain for the month. Rainfall was below average almost everywhere else and, in sharp contrast with the wet areas, was well below normal in some districts. Less than half the average fell in places in north-west Scotland and north-east England, and over the Cheshire Plain. A number of heavy 'daily' rainfalls were recorded during the month and on the 'rainfall day' of the 4th (the 24 hours from 09 GMT) 140.0 mm were measured at Honister Pass (Cumbria). Among the very heavy falls of rain during thunderstorms, which occurred most frequently during the second half of the month, were some within the 'very rare' category: on the 15th 97.8 mm fell in 2½ hours at Moel Cynnedd (Powys) and hailstones of about 3 cm in diameter were reported; 113.0 mm were measured in Ruislip Manor on the night of the 16th/17th and 84.8 mm fell in about 3 hours at Dartford (Kent) on the 27th, severe flooding occurring on both these latter occasions. In Scotland, an accumulation of hail to a depth of about 20 cm was reported at Ochiltree (Strathclyde) on the 22nd, in association with thunderstorms in the area.

Sunshine

Except in the extreme west and in parts of the north, monthly sunshine totals over England and Wales were below normal and were mostly between 75 and 100 per cent of average. Northern Ireland, Scotland and the Isle of Man had above-average sunshine, with totals generally exceeding 120 per cent of the normal. In Northern Ireland, some places in the Lough Neagh area recorded about 150 per cent of their average sunshine and in Shetland, Baltasound, with 191.6 hours (161 per cent of average), had its sunniest August since 1938. The first half of the month was the sunnier generally, but there were occasional sunny days subsequently.

Fog

Patches of fog on coasts occurred most frequently during the first half of the month and hill fog was occasionally reported. Overnight fog patches in inland areas mostly occurred early in the month, in the second week, particularly on the nights of the 9th/10th and 10th/11th, and around mid-month. The fog was persistent at times on coasts, but cleared during the morning in inland areas.

Miscellaneous Phenomena

The Press reported a fall of grass and a little soil from the base of a shower cloud in the Poole (Dorset) area on the evening of the 8th. In Scotland the aurora was observed on one night.

Table 1 District values

District	air temperature °C					mean 30-cm earth temp °C	rain-days	rainfall	sunshine
	Highest Max *	Lowest Min.*	max.	min.	mean				
			difference from average					% of average	
0 Scotland N	25.0	2.0	+0.3	-0.4	-0.1	-0.4	-7	71	130
1 Scotland E	25.4	-1.5	+0.1	-0.4	-0.1	+0.3	-4	84	129
2 England E & NE	26.7	2.9	-0.8	-0.1	-0.4	-0.1	0	87	92
3 East Anglia	27.0	5.1	-1.3	-0.1	-0.7	-0.6	+1	151	82
4 Midland Counties	27.0	3.0	-0.8	-0.3	-0.5	-0.5	+1	124	87
5 England SE & Central S	26.3	4.7	-1.0	-0.2	-0.6	-0.6	+1	161	81
6 Scotland W	25.0	-1.5	+0.6	-0.5	0.0	+0.1	-4	94	132
7 England NW & Wales N	25.2	2.1	+0.3	-0.3	0.0	-0.7	-3	61	103
8 England SW & Wales S	25.4	5.5	-0.1	-0.4	-0.2	+0.1	-2	121	98
N Ireland	23.8	2.0	+0.5	-0.6	0.0	+0.4	-6	92	136
Scotland	25.4	-1.5	+0.3	-0.4	-0.1	0.0	-5	83	130
England & Wales	27.0	2.1	-0.6	-0.2	-0.4	-0.4	0	117	91

*Highest maximum and lowest minimum of District Value Stations.

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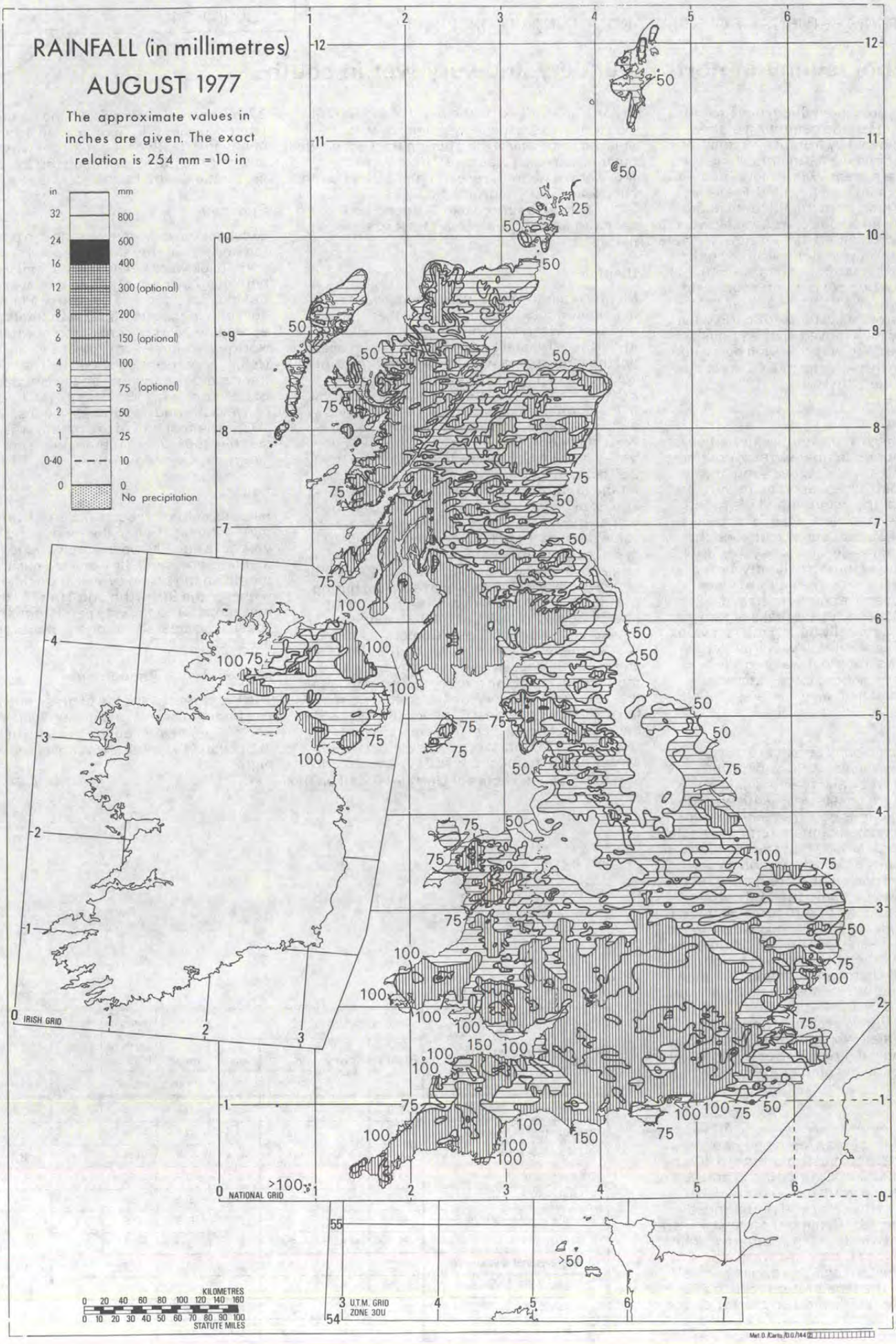
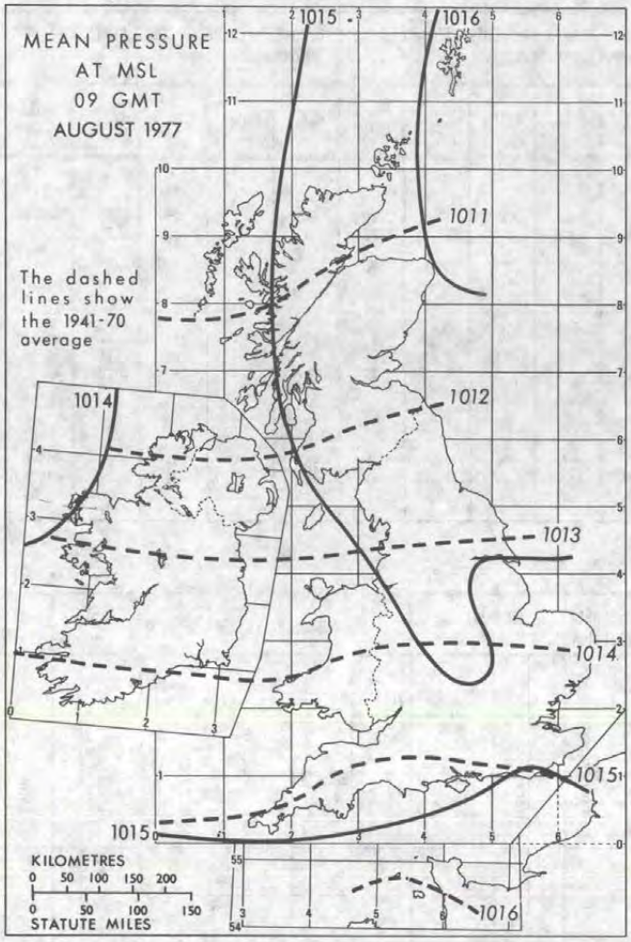
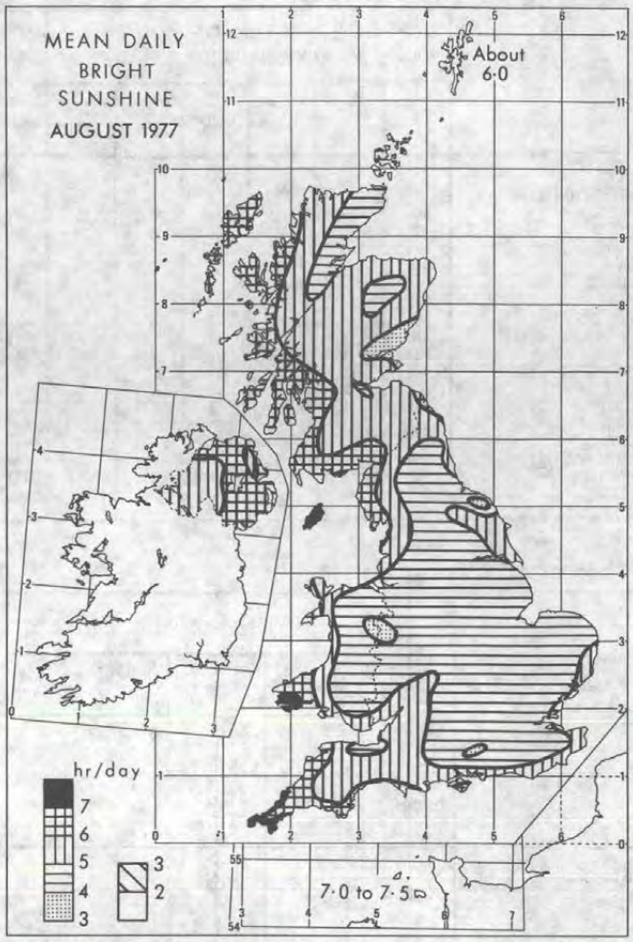
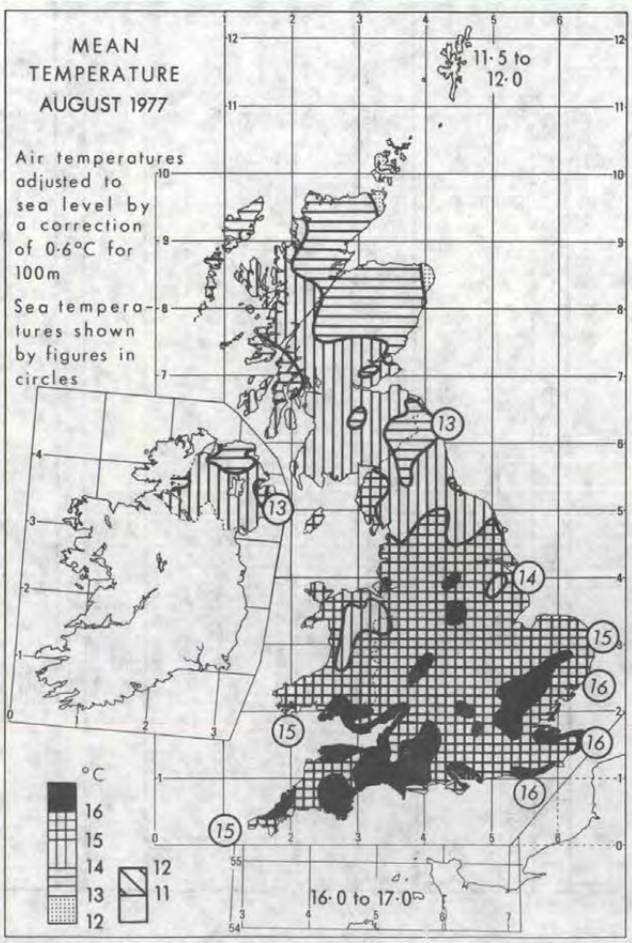
Additional to Monthly Parts, each Annual Volume of the Weather Report includes an explanatory Introduction and a Summary for the Year.


RAINFALL (in millimetres)
AUGUST 1977
The approximate values in inches are given. The exact relation is 254 mm = 10 in
in
mm
32 800
24 600
16 400
12 300 (optional)
8 200
6 150 (optional)
4 100
3 75 (optional)
2 50
1 25
0·40 10
0 0
No precipitation
IRISH GRID
NATIONAL GRID
U.T.M. GRID ZONE 30U
>100
>50
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES


MEAN PRESSURE
AT MSL
09 GMT
AUGUST 1977
The dashed lines show the 1941-70 average
1015
1016
1011
1014
1012
1013
1014
1015
1015
1016
KILOMETRES
0 50 100 150 200
0 50 100 150
STATUTE MILES


MEAN DAILY
BRIGHT
SUNSHINE
AUGUST 1977
About 6·0
hr/day
7
6
5
4
3
3
2
7·0 to 7·5


MEAN
TEMPERATURE
AUGUST 1977
Air temperatures adjusted to sea level by a correction of 0·6°C for 100m
Sea temperatures shown by figures in circles
11·5 to 12·0
13
13
14
15
16
15
16
16
15
°C
16
15
14
13
12
12
11
16·0 to 17·0

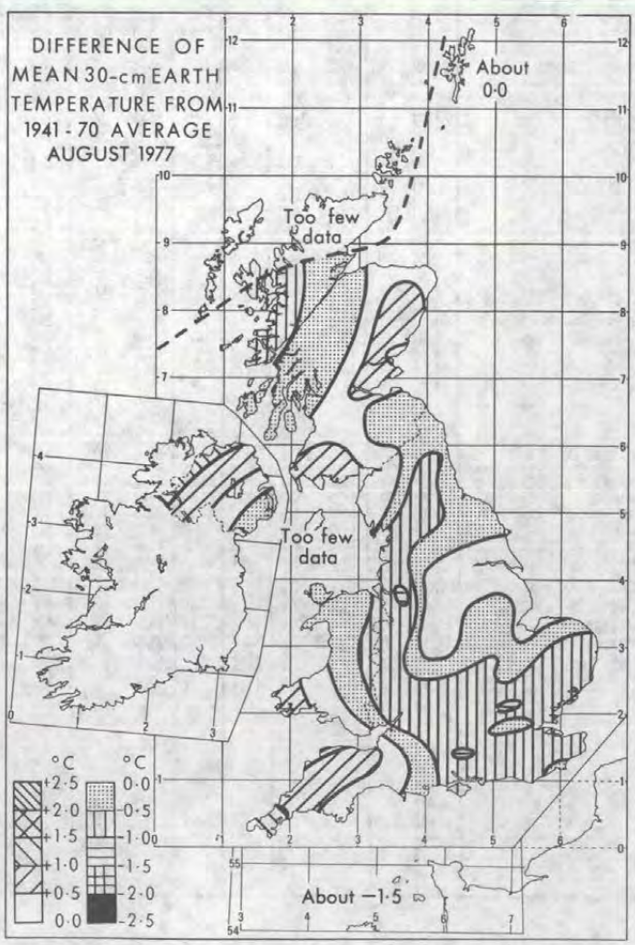

DIFFERENCE OF
MEAN 30-cm EARTH
TEMPERATURE FROM
1941 - 70 AVERAGE
AUGUST 1977
About 0·0
Too few data
Too few data
°C
+2·5
+2·0
+1·5
+1·0
+0·5
0·0
°C
0·0
0·5
1·0
1·5
2·0
2·5
About −1·5

TABLE 2 SOLAR RADIATION AND ILLUMINATION

AUGUST 1977

STATION	GLOBAL RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						DIFFUSE RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						GLOBAL ILLUMINATION ON A HORIZONTAL SURFACE (KILOLUX-HOURS)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK																		
ABERDEEN UNIVERSITY																		
ESKDALEMUIR	746	7	76	30	394.3	31	292	1	72	30	194.1	31	940	7	109	30	514.0	31
ABERPORTH	708	9	53	17	425.4	29	329	4	51	17	225.5	29						
CARDINGTON																		
SILSOE	646	4	30	17	317.7	31	334	9	30	17	199.5	31						
ROTHAMSTED																		
GARSTON	632	4	64	17	311.5	31												
WALLINGFORD	645	4	54	18	297.3	31												
LONDON WEATHER CENTRE	630	4	75	24	316.1	31	318	3	75	24	186.2	31	807	4	114	24	411.2	31
KEW	652	4	77	18	306.5	31	351	3	77	18	189.3	31	791	4	101	18	367.5	31
EASTHAMPSTEAD	742	4	59	18	327.7	29	356	1	59	18	203.5	29	937	4	90	18	421.2	29
EAST MALLING	645	2	70	18	326.4	31												
RUSTINGTON	741	4	66	24	391.4	31												
EVERTON	687	1	60	24	386.8	31												
WAREHAM	689	8	66	24	392.0	31												
JERSEY AIRPORT	760	4	116	24	460.7	31	337	2	115	24	223.3	31	962	4	193	24	595.6	31
ALDERGROVE	686	5	56	24	411.1	31	337	9	55	24	217.1	31	910	5	79	24	555.8	31

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

AUGUST 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIP-ITATION 0.2 MM OR MORE	PRECIP-ITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	BRIGHT SUNSHINE: PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
0 SCOTLAND N																														
SHETLAND																														
BALTASOUND	9 9	24	14.8	8.0	11.4	-0.7	19.6	13	3.6	28	11.7	-	94	130	46	4	11	10	0	0	0	0	0	0	0	-	-	2	6.18	161	-
FAIR ISLE	9 9	57	13.6	9.5	11.5	-	17.8	13	4.4	24	11.5	10.8	59	-	19	4	13	9	0	0	0	1	0	3	0	2	-	4	5.88	-	-
LERWICK	21-9	82																												
PSYCHROMETER			14.0	9.1	11.5	-	18.9	13	5.0	28	-	-	69	-	26	4	10	6	0	0	0	0	0	1	0	0	0	1	5.83	156	-
SCREEN			14.2	9.1	11.7	-0.2	18.9	13	4.3	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORKNEY																														
KIRKWALL AIRPORT	21-9	26	15.3	9.2	12.3	-0.4	19.1	13	4.3	7	-	-	76	102	22	25	14	10	0	0	0	1	0	1	0	0	0	1	4.86	119	-
WEYLAND	9 9	24	15.2	9.2	12.2	-	19.5	13	5.0	7	13.7	-	59	-	19	4	13	11	0	0	0	0	0	1	0	0	-	0	-	-	-
WESTERN ISLES																														
BENBECULA	21-9	6	16.7	10.5	13.6	+0.2	22.1	13	5.5	7	-	-	57	-	14	24	15	11	0	0	0	0	0	0	0	1	0	0	6.22	126	-
STORNOWAY	21-9	3	16.1	9.8	12.9	0.0	21.5	12	4.7	6	-	-	57	-	15	24	14	11	0	0	0	0	0	0	0	0	0	2	6.13	141	-
HIGHLAND																														
ACHANY	9 9	107	17.2	8.0	12.6	-	21.8	11	0.9	7	12.5	-	49	-	(20)	24	14	5	0	0	0	0	0	2	0	4	-	0	4.94	-	-
ACHNASHELLACH	9 9	67	-	-	-	-	-	-	-	-	-	-	102	65	23	1	14	11	-	-	-	-	-	-	-	-	-	-	-	-	-
BALMACARA	9 9	4	18.1	10.2	14.1	-	23.9	13	5.3	6	-	-	80	62	19	4	11	9	0	0	0	0	0	0	0	-	-	2	-	-	-
CAPE WRATH	21-9	112	14.3	10.3	12.3	0.0	21.4	11	7.2	26	-	-	41	42	14	28	10	7	0	0	0	0	0	2	0	0	0	2	5.81	-	-
CASSLEY	9 9	99	16.9	9.2	13.1	-	21.5	12,13	4.0	7	-	-	80	-	16	25	14	12	-	-	-	-	-	-	0	1	-	-	-	-	-
CORPACH	9 9	8	19.2	9.3	14.3	-	25.7	12	3.0	6	-	-	89	-	18	4	13	11	0	-	0	0	0	0	0	0	-	0	-	-	-
CRAIGOARROCH	9 9	38	18.9	8.2	13.5	-	25.2	11	1.0	6	-	-	82	-	27	25	13	8	0	0	0	0	2	0	0	1	-	0	-	-	-
DALCROSS	9 9	11	17.5	9.8	13.7	-	21.0	16	3.4	28	-	-	57	-	14	25	13	9	-	0	-	-	-	0	0	1	-	0	-	-	-
DALWHINNIE	9 9	351	16.4	6.6	11.5	-	21.6	11	-0.2	6	-	-	44	44	12	4	14	8	0	0	0	0	1	3	1	-	-	0	5.14	-	-
DIABAIG	9 9	46	18.5	10.7	14.6	-	24.8	13	6.5	27	-	-	62	-	17	4	12	8	0	-	0	0	0	-	0	-	-	3	-	-	S
DOUNREAY	9 9	21	17.0	9.3	13.1	-	23.0	13	2.5	7	-	-	52	65	15	25	12	7	0	0	0	0	0	0	0	0	-	1	5.02	-	-
FORT AUGUSTUS	9 9	21	18.4	9.6	14.0	+0.1	25.6	11	2.4	6	-	-	65	-	31	25	15	7	0	0	0	0	1	0	0	-	-	0	4.96	135	-
FORTROSE	9 9	5	16.3	11.2	13.7	-0.3	19.0	11,14,21	6.5	30	-	-	49	62	19	25	10	8	-	0	-	-	-	0	0	-	-	-	4.91	121	-
GLENMORE LODGE	9 9	341	16.8	6.7	11.7	-	22.8	12	-0.8	6	-	-	95	88	27	25	17	13	0	0	0	0	0	2	7	2	0	5.07	-	S
GRANTOWN-ON-SPEY	9 9	229	17.4	7.1	12.3	-	24.2	11	-1.3	28	-	-	50	-	17	25	15	9	0	0	0	0	1	0	1	11	-	0	5.21	-	-
HEASTE	9 9	109	17.1	9.4	13.3	-	22.8	12	4.7	6	-	-	138	-	40	28	15	11	0	0	0	0	0	0	0	0	-	2	-	-	-
INVERNESS	9 9	4	17.4	10.4	13.9	-	21.6	12	6.0	6	-	-	56	66	23	25	13	9	0	0	0	0	0	1	0	0	-	0	5.00	-	-
INVERPOLLY	9 9	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ISLE OF RHUM	9 9	5	17.9	9.2	13.5	-	23.2	12	4.2	6	15.2	14.0	159	76	34	28	12	10	0	0	0	0	0	0	0	1	-	2	-	-	-
KEISS	9 9	30	15.2	9.3	12.3	-	22.5	1	3.7	6	13.8	12.9	60	-	23	4	13	10	0	0	0	0	0	4	0	0	-	0	4.44	-	-
KNOCKANROCK	9 9	244	16.1	9.1	12.6	-	23.0	11	4.7	27	-	-	80	53	14	4	14	10	0	0	0	0	0	0	0	-	-	0	-	-	-
LAGGANLIA	9 9	250	17.5	6.0	11.7	-	24.2	12	-2.2	6	-	-	63	-	17	25	19	10	0	0	0	0	1	0	3	5	-	0	-	-	-
LAIRG	9 9	107	17.3	7.9	12.6	-	21.9	11,13	1.1	7	12.8	11.3	52	-	25	24	12	9	0	0	0	1	0	0	0	2	-	0	-	-	-
LENTRAN	9 9	146	16.7	8.1	12.4	-	22.5	10	3.0	28	-	-	85	-	34	25	14	12	0	0	0	0	3	0	0	2	-	1	-	-	-
NAIRN	9 9	6	17.8	9.2	13.5	-0.2	(23.0)	11	3.2	6	-	-	47	59	16	25	14	8	0	0	0	0	1	0	0	2	-	0	5.70	138	-
ONICH	9 9	15	19.1	9.0	14.1	+0.4	25.0	12	2.0)	6	-	-	84	51	18	4	12	11	-	0	-	-	-	6	0	0	-	-	5.35	142	S
POOLEWE	9 9	6	18.4	10.4	14.4	-	25.3	13	5.2	7	-	-	53	-	17	4	14	8	0	0	0	0	0	0	0	0	-	1	6.78	-	S
PRABOST	9 9	67	17.7	9.6	13.7	-	23.5	13	5.5	6	-	-	62	47	10	1	14	12	0	0	0	0	0	0	0	0	-	5	6.42	-	-
RUBH RE	21-9	16	16.3	11.4	13.9	-	24.4	13	8.0	28	-	-	55	-	13	1	16	12	0	0	0	0	0	0	0	0	0	2	-	-	-
STRATHCONON	9 9	107	17.9	7.9	12.9	-	24.0	11	0.9	6	-	-	106	-	42	24	18	8	0	0	0	1	2	-	0	3	-	0	-	-	-
TARBATNESS	21-9	18	16.0	11.4	13.7	+0.3	21.5	1	5.6	6	-	-	35	-	12	4	11	8	0	0	0	0	0	0	0	-	-	0	-	-	-
TOMATIN	9 9	311	16.6	7.0	11.8	-	22.6	11	0.4	6	-	-	55	-	14	4	16	12	0	-	0	1	0	0	0	-	-	0	-	-	-
TORRISDALE	9 9	27	16.7	9.3	13.0	-	23.5	11	2.0	7	-	-	47	-	14	25	16	8	0	0	0	0	0	0	0	0	-	1	5.68	-	-
WICK	21-9	36	14.9	9.8	12.3	-0.3	21.9	1	3.1	7	-	-	83	110	19	4	13	12	0	0	0	0	1	3	0	2	0	0	4.61	105	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

AUGUST 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
1 SCOTLAND E																																
GRAMPIAN																																
ABERDEEN																																
DYCE AIRPORT	21-9	58	17.2	9.2	13.2	-0.1	24.3	1	1.4	28	-	-	101	120	20	24	13	10	0	0	0	0	1	0	0	3	0	0	5.49	124	-
MANNOFIELD	9 9	16	16.2	9.6	12.9	-0.4	23.4	1	2.2	28	-	-	82	99	17	30	17	11	0	0	0	0	0	0	0	0	-	0	-	-	-
BALMORAL	9 9	283	16.8	6.5	11.7	-0.6	23.0	1	-1.5	28	-	-	103	125	29	22	16	12	0	0	1	0	1	-	2	7	-	0	-	-	-
BANCHORY	8 8	77	17.4	8.8	13.1	-	22.6	1	0.2	28	-	-	102	-	17	24	14	12	0	0	0	0	2	0	0	1	0	0	5.52	-	-
BANFF	9 9	24	16.8	10.6	13.7	-	22.7	1	4.9	28	-	-	61	72	29	4	13	7	0	0	0	0	0	0	0	-	-	2	5.39	-	-
BRAEMAR	9 9	339	17.1	6.7	11.9	-0.4	22.9	12	-0.9	6	-	-	73	88	16	24	14	12	-	0	-	0	0	2	11	-	-	-	4.90	123	-
CRAIBSTONE	9 9	91	16.3	9.1	12.7	-0.4	24.0	1	3.2	28	14.3	13.1	110	128	23	24	14	12	0	0	0	0	1	0	0	0	-	0	4.90	-	-
CULTERTY	9 9	3	16.5	8.9	12.7	-	23.8	1	0.7	28	-	-	73	102	16	30	13	11	0	-	0	0	1	0	0	1	-	0	5.65	124	-
ELGIN	9 9	15	18.0	9.8	13.9	-	22.9	13	4.5	28	-	-	51	54	17	25	17	10	-	-	-	0	0	0	0	0	-	0	5.27	-	-
FOREHILL	9 9	40	15.8	9.7	12.7	-	23.0	1	5.0	28	-	-	109	-	38	25	12	11	0	0	0	1	2	0	0	0	-	0	-	-	-
FORRES	9 9	5	18.4	10.1	14.3	+0.6	24.3	12	5.6	6	15.9	15.0	55	-	21	25	11	7	0	0	0	0	3	0	0	0	-	0	5.18	120	-
FRASERBURGH	21-9	19	15.3	10.3	12.8	-	21.1	1	6.0	28	-	-	59	84	18	24	10	8	0	0	0	0	1	1	0	0	0	1	5.92	-	-
FYVIE CASTLE	9 9	55	17.1	8.6	12.9	-	23.0	1	0.5	28	-	-	85	97	27	2	18	13	0	-	0	0	2	-	-	1	-	1	-	-	-
GARTLY	9 9	146	17.2	8.5	12.9	-	23.0	1	1.0	9	-	-	100	-	26	4	19	14	-	-	-	-	-	0	2	-	-	-	-	-	-
GLENLIVET	21-9	215	17.7	7.2	12.5	-	23.3	11	-0.3	6	-	-	86	79	30	25	16	12	0	0	0	0	1	1	2	2	0	0	4.90	-	S
INVERURIE	9 9	54	17.3	8.7	13.0	-	23.8	1	-0.1	28	-	-	85	-	18	24	14	12	0	0	0	0	1	0	1	2	-	0	5.14	-	-
KEITH	9 9	106	17.4	8.2	12.8	-	22.5	1	0.2	28	-	-	57	-	16	4	15	11	0	-	0	0	0	-	0	1	-	0	5.57	-	-
KINLOSS	21-9	5	18.1	9.8	13.9	0.0	24.0	12	4.5	6	13.7	-	60	69	27	25	12	9	0	0	0	1	2	0	0	1	0	1	5.33	-	-
LOSSIEMOUTH	21-9	6	17.4	9.5	13.5	-	22.8	1	2.9	6	-	-	55	62	20	25	15	8	0	0	0	0	2	0	0	3	1	0	-	-	-
TAYSIDE																																
ARBROATH	9 9	28	16.7	10.7	13.7	-	24.0	1	4.9	28	-	-	60	87	17	30	13	10	0	0	0	0	0	0	0	0	-	0	6.54	132	-
ARDTALNAIG	9 9	130	18.5	9.0	13.7	-	24.2	1	3.0	28	-	-	78	80	29	4	15	11	0	0	0	0	2	0	0	1	-	0	5.68	-	-
DRUMMOND CASTLE	9 9	113	17.9	8.9	13.4	-	22.4	1	3.2	28	15.3	-	87	-	20	24	16	14	0	0	0	0	1	-	0	2	-	0	5.79	-	-
DUNDEE	9 9	45	18.3	9.9	14.1	-0.2	25.4	1	4.2	28	15.6	-	51	62	20	24	8	7	0	0	0	0	0	2	0	1	-	0	6.32	142	-
FASKALLY	9 9	94	18.6	8.2	13.4	-	23.0	1,2	0.2	28	14.9	14.0	60	70	18	4	14	9	0	0	0	0	0	0	0	3	-	0	-	-	-
KINDROGAN	9 9	259	17.1	6.1	11.6	-	22.2	1	-3.1	28	-	-	83	-	20	4	15	11	0	0	0	0	0	0	1	11	-	0	-	-	-
KINROSS	9 9	116	17.8	7.9	12.9	-	23.0	1	0.5	28	14.8	-	88	-	17	30	15	12	-	0	-	-	-	0	0	0	-	0	5.76	-	-
MONTROSE	9 9	57	16.5	9.7	13.1	-	25.1	1	3.1	28	-	-	77	97	17	30	14	10	0	0	0	0	0	2	0	0	-	0	-	-	-
MYLNEFIELD	9 9	30	18.0	10.0	14.0	-	25.3	1	4.0	28	15.1	13.2	63	81	19	24	13	9	0	0	0	0	1	0	0	1	-	0	6.52	-	-
PERTH	9 9	23	18.9	9.5	14.2	-0.1	23.7	1	2.4	28	-	-	67	83	16	24	13	10	-	0	-	-	-	0	0	0	-	0	6.05	140	-
STRATHALLAN	9 9	41	18.8	9.5	14.1	-	23.5	1	2.0	28	-	-	62	-	15	24	15	10	0	0	0	0	1	0	0	1	-	0	-	-	-
USAN	21-9	30	16.0	10.3	13.1	-	25.3	1	5.1	28	-	-	78	-	19	30	15	11	0	0	0	0	2	0	0	0	0	0	6.58	-	-
WHITEHILLOCKS	9 9	258	16.8	7.3	12.1	-	25.2	1	-0.4	28	-	-	128	116	29	24	17	13	0	0	1	0	1	0	1	6	-	0	-	-	-
FIFE																																
BELLISTON	9 9	82	17.3	10.6	13.9	-	22.5	1	5.1	28	15.2	-	69	77	17	30	14	12	0	0	0	0	0	1	0	0	-	0	-	-	-
CUPAR	9 9	36	18.4	9.4	13.9	-	24.2	1	1.4	28	15.9	-	67	-	18	24	15	12	0	0	0	0	2	0	0	1	-	0	5.82	-	S
GLENROTHES	9 9	117	17.1	9.3	13.2	-	22.7	1	3.2	28	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	-	-	-	5.11	-	-
LEUCHARS	21-9	10	17.5	9.8	13.5	-0.6	25.0	1	2.4	28	-	-	59	79	17	30	12	8	0	0	0	0	1	0	0	1	0	1	6.32	129	-
PITREAVIE	21-9	40	17.6	10.6	14.2	-	22.5	1	5.1	28	-	-	74	96	17	24	14	11	0	0	0	0	2	0	0	-	-	0	-	-	-
ST ANDREWS	9 9	18	17.3	10.8	14.1	-	25.0	1	4.3	28	15.7	14.1	67	86	20	30	14	8	0	0	0	0	0	0	0	1	-	0	6.08	-	-
LOTHIAN																																
BLACKBURN SEWAGE WORKS	9 9	131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BUSH HOUSE	9 9	184	16.8	9.1	12.9	-	21.2	10	2.6	28	14.6	13.7	117	115	27	26	15	11	0	0	0	0	0	2	0	3	-	0	4.90	-	-
DUNBAR	9 9	23	17.2	10.9	14.1	0.0	24.5	1	5.0	29	-	-	63	85	19	30	12	11	0	0	0	0	0	0	0	0	-	0	5.78	110	-
EDINBURGH																																
EAST CRAIGS	9 9	61	17.7	10.0	13.9	-	22.5	1	3.2	28	15.3	-	87	-	26	30	14	12	0	0	0	0	1	1	0	5	-	0	5.27	-	-
ROYAL BOTANIC GARDEN	9 9	26	18.0	10.9	14.5	+0.1	22.6	1	3.9	28	15.7	-	83	107	27	30	16	12	0	0	0	0	0	0	0	3	-	0	5.64	119	-
ROYAL OBSERVATORY BLACKFORD HILL	9 9	134	17.7	10.5	14.1	-0.1	23.0	1	6.7	28	-	-	89	104	31	30	13	12	0	0	0	0	0	0	0	0	-	1	5.39	116	-
TURNHOUSE AIRPORT	21-9	35	17.9	10.3	14.1	0.0	22.9	1	2.4	28	-	-	87	106	22	30	17	13	0	0	0	0	1	0	0	5	0	0	5.31	120	-
HADDINGTON	9 9	49	18.2	9.8	14.0	-	24.6	1	1.7	28	-	-	57	72	16	30	13	7	0	0	0	0	1	0	0	0	-	0	-	-	S
LIVINGSTON	9 9	125	18.1	8.8	13.5	-	25.0	10	1.0	9	-	-	108	-	29	26	15	12	0	0	0	0	1	0	0	4	-	0	-	-	-
NUNRAW ABBEY	9 9	195	16.8	9.6	13.2	-	21.9	1	3.9	28	-	-	108	-	21	26	17	12	0	0	0	0	1	1	0	-	-	0	-	-	-
PATHHEAD	9 9	131	17.7	9.4	13.5	-	22.6	11	3.6	8	14.5	-	66	-	21	30	14	12	0	0	0	0	2	0	0	0	-	0	-	-	-
PENICUIK	9 9	189	17.5	8.9	13.2	-0.3	21.8	10	1.7	8	14.4	-	94	90	24	30	13	10	0	0	0	0	1	1	0	0	-	0	4.95	112	S
BORDERS																																
BLYTH BRIDGE	9 9	253	17.2	8.4	12.8	-	22.0	11	1.0	28	-	-	87	94	19	30	13	11	0	0	0	0	1	0	0	4	-	0	5.50	-	-
BLYTHE	9 9	262	17.7	8.7	13.2	-	24.0	1	3.4	6	-	-	59	58	16	24	15	10	-	0	-	-	-	0	0	9	-	-	5.78	-	-
BONCHESTER BRIDGE	9 9	146	-	-	-	-	-	-	-	-	-	-	67	-	24	26	9	9	0	0	0	0	1	0	0	-	-	-	-	-	-
BOWHILL (SELKIRK)	9 9	168	18.1	8.2	13.1	-	23.8	11	1.0	28	-	-	126	131	49	23	14	9	0	0	0	0	2	0	0	-	-	0	-	-	-
FLOORS CASTLE	9 9	59	18.1	9.0	13.5	-	23.9	1	1.7	28	-	-	47	54	9	30	12	8	0	0	0	0	1	2	0	-	-	0	-	-	-
GALASHIELS	9 9	198	17.4	8.7	13.1	-	22.8	1	1.0	9	-	-	58	-	21	24	12	9	0	0	0	0	1	0	0	2	-	0	5.25	-	-
GLENTRESS	9 9	165	18.5	8.5	13.5	-	25.0	11	0.0	9,28	-	-	60	68	16	30	11	10	-	0	-	-	-	0	0	-	-	-	-	-	-
GREYCROOK	9 9	76	18.5	8.3	13.4	-	24.6	10	-0.3	9	15.6	-	50	-	12	30	15	8	0	0	0	0	0	-	1	4	-	0	-	-	-
KELSO	9 9	34	18.8	9.3	14.1	-	25.8	1	2.0	28	-	-	48	-	19	26	9	7	0	0	0	0	0	0	0	2	-	0	-	-	-
LEITHOLM	9 9	64	18.2	8.7	13.5	-	24.6	1	1.0	8	14.6	-	51	-	11	26	16	9	0	0	0	0	1	0	0	1	-	0	5.85	-	-
ST ABBS HEAD	9 9	75	16.2	11.2	13.7	0.0	22.0	1	5.8)	9	-	-	-	-	-	-	-	-	0	0	0	0	0	1	0	0	0	2	-	-	-
STANHOPE FARM	9 9	226	17.5	7.9	12.7	-	22.6	10,11	-0.3	28	-	-	88	88	22	30	14	9	0	0	0	0	0	0	1	4	-	0	-	-	-
WEST LINTON	9 9	244	17.3	8.2	12.7	-0.1	22.2	10	-0.9	28	14.1	13.5	88	89	17	4	15	10	0	0	0	0	0	0	1	1	-	0	-	-	-
WHITCHESTER	9 9	255	16.3	8.3	12.3	-	23.9	1	2.1	28	-	-	85	73	20	24	16	12	0	0	0	1	2	-	0	-	-	1	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	TERMINAL H(GMT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
6 SCOTLAND W																																
STRATHCLYDE																																
ACHAGLACHGACH	9 9	12	18.3	9.1	13.7	-	23.0	12	3.4	6,28	-	-	155	112	49	14	17	15	-	0	-	-	-	3	0	2	-	-	-	-	-
AROS	9 9	37	18.6	8.8	13.7	-	23.0	12	2.5	6	-	-	116	-	(21)	24	15	15	-	0	-	-	-	1	0	4	-	-	-	-	-
AUCHINCRUIVE	9 9	45	18.3	10.1	14.2	0.0	24.5	12	3.6	6	14.7	13.6	138	150	35	22	15	14	0	0	1	0	1	0	0	0	-	0	6.04	127	-
BARRHEAD	9 9	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENMORE(YOUNGER BOTANIC GARDEN) ...	9 9	12	18.4	9.3	13.9	-	22.7	12	3.2	28	16.6	-	142	76	25	24	16	13	0	0	0	0	0	0	0	2	-	0	-	-	-
BRODICK CASTLE	9 9	15	18.4	10.5	14.5	-	23.0	12	4.3	6	16.9	-	153	98	29	14	17	15	0	0	0	0	0	0	0	1	-	2	5.67	-	-
CAMPS RESERVOIR	9 9	295	16.5	7.8	12.1	-	21.9	11	0.7	28	-	-	89	83	24	30	17	10	0	0	0	0	1	0	0	-	-	-	-	-	-
CARNWATH	9 9	208	17.7	7.0	12.3	-	23.5	12	-2.2	28	13.7	-	78	90	16	4	16	14	0	0	0	0	2	0	3	6	1	1	-	-	-
COLONSAY	9 9	35	17.7	10.3	14.0	-	21.8	11	4.5	6	-	-	85	-	18	3	15	14	0	0	0	0	1	0	1	0	-	0	-	-	-
CRAWFORDJOHN	9 9	274	17.6	6.7	12.1	-	22.6	11	-1.0	28	13.4	-	-	-	-	-	-	-	0	0	0	0	-	0	2	5	1	0	5.33	-	-
CUMNOCK	9 9	99	18.3	9.0	13.7	-	24.0	12	4.0	28	15.5	-	121	-	24	22	15	13	0	0	0	1	1	0	0	0	0	0	5.84	-	-
DUNSTAFFNAGE	9 9	3	18.0	10.1	14.1	-	22.2	12	5.6	6,9	-	-	89	-	19	3	13	11	0	0	0	0	1	0	0	0	0	0	-	-	-
EAST KILBRIDE	9 9	178	17.4	9.9	13.7	-	22.5	11	4.0	6	-	-	95	-	18	24	14	12	0	0	0	0	1	-	0	0	0	0	5.96	-	-
FINNART	9 9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GIRVAN	9 9	8	18.5	11.1	14.8	-	23.1	12	5.5	6	-	-	101	134	24	4	16	14	0	0	0	0	0	0	0	0	-	2	6.70	-	-
GLASGOW																															
ABBOTSINCH AIRPORT ...	21-9	5	18.8	10.1	14.5	0.0	23.5	12	3.0	28	-	-	78	-	20	24	17	12	0	0	0	0	1	0	0	3	0	0	6.10	133	-
SPRINGBURN PARK ...	9 9	107	18.0	10.4	14.2	-0.1	22.9	11	4.9	28	-	-	87	84	19	24	15	11	0	0	0	0	1	0	0	-	-	0	6.08	144	-
WEATHER CENTRE (X)	21-9	40	18.7	12.1	15.4	-	23.8	11	7.6	6,28	-	-	71	-	16	24	12	10	0	-	-	-	-	-	-	-	-	0	5.95	-	-
GREENOCK	9 9	61	-	-	-	-	-	-	-	-	-	-	91	77	24	24	15	12	-	-	-	0	-	-	-	-	-	-	6.01	131	-
HELENSBURGH	9 9	89	17.5	9.8	13.7	-0.4	21.4	11	4.5	6	-	-	109	92	21	3	14	12	-	-	-	-	-	1	0	-	-	-	6.10	-	-
HUNTERSTON	9 9	8	17.9	11.4	14.7	-	23.4	12	6.6	6	-	-	114	-	19	24	16	12	0	0	0	0	2	1	0	-	-	0	-	-	-
KILDONAN	9 9	18	17.5	11.0	14.3	-	22.2	12	7.2	6,28	-	-	117	-	24	24	16	14	0	0	0	0	2	0	0	0	0	1	6.68	-	-
KNAPDALE FOREST ...	9 9	12	-	8.7	-	-	-	-	3.1	28	-	-	124	-	20	4	17	14	0	0	0	0	0	0	0	0	-	0	-	-	-
LANARK	9 9	152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEADHILLS	9 9	388	16.6	7.6	12.1	-	21.2	11	1.5	6	-	-	122	90	33	4	16	12	0	0	1	0	2	0	0	5	-	2	-	-	-
MACHRIHANISH	21-9	10	17.7	10.4	14.1	-	22.2	11	4.2	6	-	-	94	100	27	24	16	14	0	0	0	0	0	0	0	1	0	1	6.68	-	-
MILLPORT	9 9	5	17.9	11.4	14.7	-	23.3	12	7.2	28	-	-	100	99	19	24	17	13	0	-	0	0	0	0	0	0	0	0	-	-	-
PAISLEY	9 9	32	19.0	11.4	15.2	+0.3	24.4	11	5.7	6	15.4	14.5	86	89	18	24	15	12	0	0	0	0	3	0	0	0	0	0	5.64	126	-
PRESTWICK	21-9	16	18.4	9.8	14.1	-	24.4	12	3.0	6	-	-	95	102	21	4	15	12	0	0	0	0	3	0	0	0	0	0	6.18	-	-
RHUVAAL	21-9	20	16.7	11.4	14.1	-	21.0	11	6.6	28	-	-	97	92	22	4	16	14	0	0	0	0	0	0	0	0	0	1	-	-	-
ROTHESAY	9 9	43	18.2	11.1	14.7	-	23.0	11	6.0	6	14.3	13.2	143	121	25	14	16	14	0	0	0	0	0	0	0	0	0	0	-	-	-
SLOY	21-9	12	18.5	10.1	14.3	-	23.1	11	4.1	6	-	-	121	-	30	4	15	12	0	0	0	0	1	0	0	0	0	0	-	-	-
STRONACHULLIN	9 9	2	17.6	10.0	13.8	-	22.0	12	4.9	6	-	-	147	-	(40)	14	15	14	0	0	0	0	0	0	0	0	0	0	-	-	-
TIREE	21-9	9	16.5	10.9	13.7	+0.1	20.5	16	6.6	7	-	-	71	81	20	24	14	12	0	0	0	0	0	0	2	0	2	0	1	6.76	127	-
CENTRAL																															
ARROCHYMORE	9 9	30	18.5	9.8	14.1	-	23.3	11	3.2	6	-	-	109	-	23	24	15	11	-	0	-	-	-	0	0	2	-	-	5.70	-	-
CALLANDER	9 9	107	18.7	9.1	13.9	-	23.2	11	3.3	28	-	-	90	68	26	4	12	9	0	0	0	0	0	0	0	0	-	0	-	-	-
EARLS HILL	21-9	335	15.9	8.8	12.3	-	20.8	10	4.1	6	-	-	95	-	27	24	18	12	0	0	0	0	1	0	0	0	0	1	5.60	-	-
FALKIRK	9 9	3	18.7	10.3	14.5	-	23.8	1	4.0	28	-	-	71	-	13	30	13	10	0	0	0	0	0	0	0	0	-	0	4.96	-	-
GRANGEMOUTH	9 9	4	18.6	11.3	14.9	-	22.5	1,9,10	6.0	6,28	-	-	74	-	17	22	13	10	0	0	0	0	0	0	0	0	-	0	-	-	-
PARKHEAD	9 9	107	18.8	9.7	14.3	-	23.0	10,11	4.0	6	15.9	-	68	-	21	24	13	8	-	0	-	-	-	0	0	-	-	-	-	-	-
STIRLING(BATTERFLATS)	9 9	38	19.1	9.4	14.3	-	24.0	1	2.5	28	15.7	14.6	70	-	19	24	12	9	0	0	0	0	1	0	0	2	-	0	5.78	-	-
DUMFRIES & GALLOWAY																															
BARGRENNAN	9 9	110	18.7	8.6	13.7	-	24.2	11	0.5	28	-	-	134	111	25	24	17	13	0	0	0	0	3	1	0	4	-	1	5.91	-	-
CLATTERINGSHAWS ...	9 9	178	17.7	8.8	13.3	-	22.5	11	1.7	28	-	-	144	89	39	24	15	12	0	0	0	0	3	0	0	-	-	0	6.47	137	-
DUMFRIES	9 9	49	18.9	10.2	14.5	+0.2	24.0	11	2.7	28	15.3	14.3	95	96	27	26	11	9	0	0	0	0	1	2	0	0	1	-	-	-	-
DUNDEUGH	9 9	119	18.9	7.6	13.3	-	23.7	11	-0.9	28	13.9	-	123	106	23	24	16	14	0	0	0	0	0	0	1	-	-	0	-	-	-
ESKDALEMUIR	21-9	242																													
PSYCHROMETER			17.2	7.8	12.5	-	22.6	11	-1.8	28	14.1	12.9	115	86	33	4	16	9	0	0	0	0	0	2	0	1	6	1	0	5.93	144	-
SCREEN			17.5	8.1	12.8	-0.1	24.0	11	-1.5	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
GIRDSTINGWOOD	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.06	-	-
GLENLEE	9 9	55	19.1	8.1	13.6	-0.5	24.0	12	0.3	28	-	-	123	97	26	24	15	13	-	0	-	-	-	-	0	9	-	-	-	-	-
GLENLOCHAR BARRAGE ...	9 9	47	18.8	9.6	14.2	-	23.9	1	2.2	28	-	-	114	102	27	24	13	12	0	0	0	0	2	0	0	-	-	0	-	-	-
PALNURE	9 9	15	18.5	10.1	14.3	-	21.6	11,12	3.3	28	-	-	138	120	25	26	16	12	0	0	0	0	1	1	0	0	0	0	-	-	-
PENWHIRN	9 9	166	17.3	8.8	13.1	-	21.0	1	2.5	28	-	-	125	97	39	24	16	13	-	0	-	-	-	0	0	0	-	-	6.55	-	-
THREAVE	9 9	73	19.1	9.9	14.5	-	24.2	1	1.8	28	15.8	-	121	108	37	24	13	11	0	0	0	0	3	0	0	2	-	0	-	-	-
2 ENGLAND E & NE																															
NORTHUMBERLAND																															
BOULMER	21-9	23	17.0	10.1	13.5	-	24.0	1	4.5	28	14.4	13.4	43	-	11	24	9	7	0	0	0	0	2	0	0	0	0	0	5.90	-	-
COCKLE PARK	9 9	99	18.2	9.7	13.9	-	26.2	1	3.8	28	14.1	-	43	-	11	26	11	7	0	0	0	0	1	1	0	2	-	0	5.01	-	-
HAYDON BRIDGE	9 9	79	18.9	9.4	14.1	-	24.2	10	1.1	28	15.8	15.2	45	53	12	26	13	9	0	0	0	0	0	0	0	-	-	0	-	-	-
KIELDER CASTLE	9 9	201	17.4	7.3	12.3	-0.6	22.9	1	-1.4	28	14.8	-	98	64	20	24	16	14	0	0	0	0	2	0	1	0	0	0	-	-	-
LETHAMHILL FARM ...	9 9	76	17.9	8.3	13.1	-	24.0	1	1.6	28	-	-	49	-	14	26	14	9	-	-	-	-	-	0	2	-	-	-	-	-	-
REDESDALE	9 9	238	16.7	8.0	12.3	-	22.8	1	-0.4	28	12.6	-	90	-	20	26	16	13	-	0	-	-	-	0	1	-	-	-	5.44	-	-
SEAHOUSES	21-9	11	16.7	11.0	13.9	-	24.0	1	5.2	28	-	-	43	53	12	26	13	6	0	0	0	0	1	0	0	0	0	0	6.12	-	-
STONEHAUGH	9 9	201	17.5	7.7	12.6	-	23.7	1	-0.5	28	-	-	64	-	13	24	16	12	0	0	0	0	1	2	2	8	0	0	-	-	-
TYNE & WEAR																															
CHOPWELLWOOD	9 9	136	18.3	10.0	14.1	-0.4	24.0	1	4.5	28	-	-	64	78	20	19	16	10	0	0	0	0	0	0	0	0	-	0	-	-	-
NEWCASTLE WEATHER CENTRE (X)	21-9	75	17.9	11.7	14.8	-	24.9	1	6.6	28	-	-	61	-	16	19	17	11	0	0	0	0	1	1	0	-	0	0	5.67	-	-
TYNEMOUTH	21-9	29	16.6	12.2	14.4	-0.2	25.2	1	6.7	28	-	-	47	59	13	19	14	9	0	0	0	0	2	1	0	0	-	0	5.79	124	-
WASHINGTON	9 9	27	18.0	10.7	14.3	-	25.1	1	4.6	28	15.1	14.2	39	-	10	19	14	9	0	0	0	0	0	0	0	-	-	0	5.61	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

AUGUST 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
2 ENGLAND E & NE -CONTINUED																																
DURHAM																																
DURHAM	9 9	102	18.6	10.1	14.3	-0.3	25.5	1	4.5	28	15.1	14.1	38	51	10	19	13	8	-	0	-	-	-	0	0	0	-	-	4.55	98	S
LOW ETHERLEY	9 9	155	18.0	9.4	13.7	-	24.5	1	2.7	28	14.5	-	41	-	10	19	18	11	0	0	0	0	0	1	0	2	-	0	-	-	-
WIDDYBANK FELL	9 9	513	15.0	7.8	11.4	-	21.4	1	1.8	28	11.3	-	95	-	27	24	15	13	-	0	-	-	-	1	0	3	-	-	4.69	-	-
CLEVELAND																																
HARTBURN GRANGE ...	9 9	31	18.4	10.1	14.3	-	25.9	1	2.8	28	-	-	17	27	4	24	11	7	0	0	0	0	1	0	0	1	-	0	4.27	-	-
HARTLEPOOL	9 9	9	18.0	12.2	15.1	-0.1	25.0	1	6.0	28	-	-	27	39	7	26	12	8	0	0	0	0	1	0	0	-	-	0	4.87	-	-
NORTH YORKSHIRE																																
ASKHAM BRYAN	9 9	34	19.4	(10.2)	(14.8)	-	26.7	1	5.8	28	-	-	38	51	9	24	12	10	0	0	0	0	1	0	0	1	-	0	4.72	101	-
CAWOOD	9 9	6	19.9	10.3	15.1	-	27.0	1	4.5	10	16.1	15.5	40	57	7	18	12	9	0	0	0	0	0	1	0	0	-	0	4.49	-	-
HIGH MOWTHORPE	9 9	175	17.5	(10.3)	(13.9)	-	26.0	1	5.9	4	15.0	-	74	90	15	24	16	13	0	0	0	0	1	1	0	0	-	0	(5.19)	-	-
LEEMING	21-9	32	19.0	10.7	14.9	-	27.1	1	5.0	28	15.5	14.5	32	50	7	24	15	10	0	0	0	0	0	1	0	0	0	0	5.03	-	-
MALHAM TARN	9 9	395	(16.6)	(9.2)	(12.9)	(+0.2)	20.0	1,11	4.1	28	(13.8)	-	102	66	26	25	13	13	0	0	0	0	0	1	0	2	-	0	-	-	-
PICKERING	9 9	44	18.7	10.1	14.4	-	27.0	1	3.9	10	-	-	41	55	11	24	14	9	0	0	0	0	1	0	0	2	-	0	-	-	-
SCARBOROUGH	9 9	53	17.4	11.9	14.7	-	24.9	2	8.0	10,11	15.6	14.6	49	73	19	18	13	9	0	0	0	0	2	0	0	0	0	0	5.03	100	-
SILPHO MOOR	9 9	203	16.6	9.9	13.3	-	23.8	2	5.2	10	13.6	-	83	92	18	18	17	15	0	0	0	0	2	0	0	0	-	0	3.82	-	-
SNAITEHOLME	9 9	290	16.2	8.7	12.5	-	21.6	1	0.4	28	13.4	-	108	-	32	4	17	11	0	0	0	0	0	0	0	3	-	0	4.05	-	S
WHITBY	9 9	41	17.1	11.5	14.3	-	23.0	1	5.3	10	-	-	41	-	13	2	12	7	0	0	0	0	2	0	0	0	-	1	4.54	-	-
WHITBY(COASTGUARD) ...	21-9	60	16.5	11.5	14.0	-	22.3	2	5.6	10	-	-	38	-	20	2	14	7	0	0	0	0	1	2	0	0	0	0	-	-	-
YORK(HESLINGTON) ...	9 9	20	19.7	11.0	15.3	-	27.4	1	6.0	10	16.3	15.4	32	45	9	24	13	9	0	0	0	0	0	0	0	0	-	0	4.79	-	-
HUMBERSIDE																																
BRIDLINGTON	9 9	48	17.3	10.8	14.1	-	22.0	1	5.7	11	-	-	59	75	18	24	13	9	0	0	0	0	2	2	0	0	-	0	5.28	-	-
BRIGG	9 9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLEETHORPES	9 9	6	18.1	12.4	15.3	-0.6	24.0	1	8.5	4	-	-	87	140	25	18	16	11	-	0	-	-	-	0	0	-	-	-	4.40	81	-
HULL	9 9	2	19.3	12.1	15.7	-0.4	26.7	1	7.5	28	16.7	15.5	65	90	19	18	15	9	0	0	0	0	2	0	0	0	-	0	5.29	104	-
LINCOLNSHIRE																																
BINBROOK	21-9	108	17.6	10.9	14.3	-	24.9	2	6.3	10	-	-	118	160	32	18	16	13	0	0	0	0	1	0	0	0	0	0	4.69	-	-
CAISTOR	9 9	55	19.0	10.5	14.7	-	26.3	2	5.0	28	-	-	90	-	29	18	16	10	-	-	-	-	-	-	0	-	-	-	-	-	-
CRANWELL	9 9	62	18.9	11.2	15.1	-0.6	25.8	1	6.9	10	16.6	16.2	85	133	21	2	14	12	0	0	0	1	1	0	0	0	0	0	4.62	86	-
KIRTON	9 9	4	19.1	11.1	15.1	-	26.2	1	6.4	6	15.4	14.0	59	-	16	7	12	10	0	0	0	0	1	0	0	0	0	0	4.87	-	-
LINCOLN	9 9	7	19.3	10.4	14.9	-0.8	26.5	1	2.9	28	16.0	15.1	50	-	14	18	14	11	0	0	0	0	1	0	0	0	-	0	4.79	-	-
SKEGNESS	9 9	5	18.0	12.8	15.4	-0.3	24.6	2	8.5	10	-	-	90	136	28	18	14	9	0	0	0	0	2	0	0	0	-	0	4.95	88	-
SUTTON BRIDGE	9 9	4	19.8	11.4	15.6	-	26.8	2	7.2	28,29	-	-	83	129	13	18	15	11	0	-	0	0	2	-	0	0	-	0	-	-	-
WADDINGTON	21-9	68	19.3	11.3	15.3	-0.4	26.6	2	6.7	28	-	-	70	105	14	18	14	11	0	0	0	0	2	0	0	0	0	0	4.98	92	-
3 EAST ANGLIA																																
NORFOLK																																
COLTISHALL	21-9	17	19.4	12.0	15.7	-	26.0	2	4.2	24	-	-	72	114	22	18	17	11	0	0	0	0	1	0	0	0	0	0	-	-	-
CROMER	9 9	54	18.7	12.7	15.7	-0.2	26.2	2	8.9	29	-	-	72	113	28	18	14	10	0	-	0	0	0	0	0	0	-	0	4.77	85	-
GORLESTON	9 9	4	18.8	12.0	15.4	-0.8	21.3	30	8.0	24	16.5	15.2	75	121	27	17	12	7	0	-	0	0	1	0	0	-	-	0	4.72	79	-
MARHAM	21-9	23	19.5	11.5	15.5	-	27.5	2	7.0	29	-	-	73	-	18	18	16	12	0	0	0	0	2	0	0	0	0	0	4.65	-	-
MORLEY ST BOTOLPH ...	9 9	48	20.7	10.5	15.6	-	26.7	2	5.7	24	16.5	-	85	-	23	18	16	12	0	0	0	0	2	0	0	0	0	0	4.86	-	-
SANTON DOWNHAM	9 9	24	20.2	9.4	14.8	-	25.8	2	2.8	11	15.0	13.9	79	116	19	18	15	11	-	0	-	-	-	0	0	3	-	-	4.46	-	-
SCOLE	9 9	27	20.3	11.3	15.8	-	26.1	2	5.6	24	16.9	16.4	108	-	26	8	14	12	0	0	0	0	4	0	0	0	-	0	4.77	-	-
TERRINGTON ST CLEMENT	9 9	3	19.7	10.9	15.3	-0.6	25.6	1	7.3	29	16.3	-	89	144	17	18	16	13	0	0	0	0	1	0	0	0	-	0	4.75	86	-
CAMBRIDGESHIRE																																
BOXWORTH	9 9	53	19.5	11.1	15.3	-	25.8	2	6.7	28	-	-	119	192	25	17	17	14	0	0	0	0	0	2	0	0	-	0	4.79	-	-
CAMBRIDGE																																
BOTANIC GARDEN ...	9 9	12	20.1	10.9	15.5	-0.9	26.1	2	5.6	11	16.7	15.3	127	205	22	21	15	12	0	0	0	0	2	0	0	0	-	0	-	-	-
NATIONAL INSTITUTE OF AGRICULTURAL BOTANY	9 9	26	(20.0)	(10.1)	(15.1)	-	25.5	2,4	5.4	11	-	-	128	206	29	21	16	12	0	0	0	0	1	0	0	0	-	0	4.84	85	-
MARCH	9 9	2	(20.1)	(11.3)	(15.7)	-	26.7	2	7.0	28	-	-	72	121	15	17	14	12	-	0	-	-	-	0	-	-	-	-	-	-	-
MEPAL	9 9	-2	20.0	10.7	15.3	-	26.7	2	5.6	10	15.9	13.6	101	-	18	6	14	12	0	0	0	1	0	0	0	0	-	0	4.45	-	-
WITTERING	9 9	73	19.2	11.5	15.3	-	26.0	1	7.4	10	-	-	110	-	20	17	14	13	0	0	0	1	0	0	0	0	-	0	4.54	-	-
WYTON	21-9	40	19.5	11.6	15.5	-	26.2	2	7.1	11,28	-	-	106	176	17	6	18	13	0	0	0	0	2	1	0	0	0	0	-	-	-
SUFFOLK																																
ALDEBURGH	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BROOMS BARN	9 9	75	19.9	11.3	15.6	-	26.0	2	6.9	28	16.4	15.6	129	202	27	18	18	14	0	0	0	0	4	1	0	0	-	0	5.31	-	-
EAST BERGHOLT	9 9	4	(20.9)	(10.8)	(15.9)	-	26.9	1	4.1	29	-	-	113	201	26	17	(15)	(11)	0	0	0	0	6	2	0	0	-	0	4.85	-	-
HAUGHLEY	9 9	58	19.7	10.8	15.3	-	25.7	2	6.0	29	15.9	-	95	-	16	5	16	11	0	0	0	0	2	0	0	0	-	0	-	-	-
HONINGTON	21-9	50	19.8	11.5	15.7	-	26.4	2	7.7	11	-	-	81	131	22	17	15	11	0	0	0	0	3	0	0	0	0	0	4.65	-	-
LOWESTOFT	9 9	25	18.3	12.7	15.5	-0.6	21.0	5,30	8.3	24	16.4	15.3	64	100	15	17	13	7	0	0	0	2	0	0	0	0	0	2	5.10	86	-
WATTISHAM	21-9	89	19.6	11.1	15.3	-	24.8	1,4	7.0	29	-	-	110	180	25	21	15	11	-	0	-	-	-	0	0	0	-	-	4.72	-	-
BEDFORDSHIRE																																
CARDINGTON	21-9	29	19.9	10.6	15.3	-	26.5	2	4.9	10	16.0	15.1	113	202	23	17	16	12	0	0	0	0	2	0	0	0	0	0	4.31	-	-
LUTON	9 9	159	19.0	11.7	15.3	-	24.6	1	6.9	28,29	16.4	15.2	111	173	27	16	16	14	-	0	-	-	-	2	0	-	-	-	4.36	-	-
SILSOE	9 9	61	19.5	10.6	15.1	-0.8	25.4	1,2	4.9	10	15.8	15.0	115	208	24	17	16	10	0	0	0	0	3	1	0	0	0	-	4.01	71	-
WOBURN	9 9	89	19.3	10.4	14.9	-0.8	25.7	1	4.8	10	15.8	14.0	155	242	32	16	20	15	0	0	0	0	1	0	0	0	-	0	4.05	75	-
HERTFORDSHIRE																																
ALDENHAM SCHOOL ...	9 9	91	19.7	11.4	15.5	-	25.9	1	6.0	29	16.9	-	127	187	57	16	17	10	0	0	0	0	2	0	0	0	0	0	-	-	-
GARSTON	9 9	78	19.3	11.5	15.4	-	24.9	1	5.4	29	-	-	141	210	58	16	15	11	0	0	0	0	0	0	0	0	0	0	4.66	-	-
HODDESDON	9 9	43	20.2	11.7	15.9	-	26.0	1	6.4	29	17.2	-	132	206	39	16	16	12	0	0	0	0	1	-	0	0	-	1	4.15	-	-
ROTHAMSTED	9 9	128	19.1	10.9	15.0	-0.7	25.0	1	6.6	10	15.2	13.9	119	175	29	16	16	14	0	0	0	0	2	0	0	0	-	0	4.28	79	-
ST ALBANS	9 9	83	19.5	11.3	15.4	-0.5	25.1	1	5.6	29	15.6	-	125	202	43	16	16	11	0	0	0	0	1	0	0	0	-	0	4.35	-	-
STANSTEAD ABBOTTS ...	9 9	30	-	-	-	-	-	-	-	-	-	-	118	196	38	16	15	13	-	0	-	-	-	0	-	-	-	-	-	-	-
ESSEX																																
CLACTON-ON-SEA	9 9	16	19.1	12.6	15.9	-1.0	22.3	3	9.7	28	16.5	15.5	92	161	19	8	12	11	0	0	0	0	1	0	0	0	-	0	4.86	77	-
HALSTEAD	9 9	70	19.9	11.6	15.7	-	25.1	4	7.0	29	-	15.4	98	-	22	24	18	13	0	0	0	0	1	0	0	0	-	0	-	-	-
HARLOW	9 9	79	20.2	11.4	15.8	-	26.0	2	6.6	29	-	14.9	131	219	34	16	17	13	0	0	0	0	0	0	0	0	-	0	4.01	-	-
LITTLE PARNDON	9 9	54	20.3	11.4	15.9	-	26.1	2	6.6	10,29	-	-	120	207	36	16	17	13	0	0	0	0	2	1	0	0	-	0	-	-	-
MALDON	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOEBURYNESS	21-9	2	19.5	12.9	16.2	-0.9	24.4	4	8.9	28	-	-	70	115	22	27	15	12	0	0	0	0	3	0	0	0	0	0	5.14	83	-
STANFORD-LE-HOPE	9 9	6	19.6	11.8	15.7	-	24.0	4	7.5	10,29	-	-	77	-	17	16	17	12	0	0	0	0	2	0	0	0	-	0	4.78	-	-
STANSTED	21-9	101	19.3	11.6	15.5	-	25.9	2	6.9	29	-	-	105	167	16	16	16	14	0	0	0	0	2	0	0	0	0	0	-	-	-
WRITTLE	9 9	32	20.1	10.8	15.5	-0.7	26.8	2	3.9	29	16.1	-	122	240	25	16	15	14	0	0	0	0	0	3	0	0	-	0	4.39	77	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

AUGUST 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL M(GHT) OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	ORAGE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
4 MIDLAND COUNTIES																																
WEST YORKSHIRE																																
BRADFORD	9 9	134	18.5	10.9	14.7	-0.2	23.6	1	4.6	28	14.9	14.3	65	73	13	20	12	11	0	0	0	0	2	0	0	0	-	0	4.46	94	S
BRAMHAM	9 9	54	19.6	10.2	14.9	-	25.7	1	5.6	28	-	-	43	57	9	24	13	13	0	0	0	0	0	0	0	0	-	0	-	-	-
HUDDERSFIELD																																
OAKES	21-9	232	19.0	10.5	14.7	0.0	25.6	2	5.5	28	14.0	12.0	69	72	12	18	16	10	0	0	1	0	3	1	0	3	0	3	-	-	-
RAVENSKNOWLE	9 9	99	19.1	11.3	15.2	-0.1	25.1	1	4.7	28	15.9	15.0	53	63	13	18	14	10	0	0	0	0	0	0	0	0	-	0	-	-	-
ILKLEY	9 9	83	19.4	10.3	14.9	-0.2	24.5	1	5.5	28	-	-	63	64	17	25	13	11	0	0	0	0	1	0	0	0	-	0	4.13	89	-
TODMORDEN	9 9	160	18.3	10.5	14.4	-	22.7	11	2.8	28	-	-	61	-	11	24	14	10	0	0	0	0	0	0	0	0	-	0	-	-	-
PONTEFRACT	9 9	78	19.3	11.4	15.3	0.0	25.8	1	7.6	28	-	-	36	51	11	18	12	9	0	0	0	0	1	0	0	0	-	0	-	-	-
WILSDEN	9 9	262	17.8	10.1	13.9	-	22.5	11	4.0	28	-	-	67	-	12	24	14	12	0	0	0	0	0	0	0	1	0	0	-	-	-
SOUTH YORKSHIRE																																
FINNINGLEY	21-9	10	20.0	11.3	15.7	-	27.8	1	6.9	28	-	-	49	73	13	18	13	10	0	0	0	0	2	0	0	0	0	0	4.33	-	-
SHEFFIELD																																
DORE	9 9	206	19.0	(11.2)	(15.1)	-	27.0	1	7.1	28	-	-	70	-	17	18	14	10	0	0	0	0	0	1	0	0	-	0	-	-	-
WESTON PARK	9 9	131	19.4	11.6	15.5	-0.2	26.8	1	6.6	28	15.7	14.7	69	94	21	18	13	9	0	0	0	0	0	-	0	-	-	0	4.44	97	-
DERBYSHIRE																																
ASHOVER	9 9	178	19.0	10.8	14.9	-	25.9	1	5.5	28	-	-	64	-	16	24	14	9	0	0	0	0	0	0	0	0	-	0	4.51	-	-
BUXTON	9 9	307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DERBY	9 9	48	20.0	11.9	15.9	-	26.7	1	6.3	28	-	-	49	71	17	24	14	9	0	0	0	0	1	0	0	0	-	0	4.08	-	-
MORLEY	9 9	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WINGERWORTH	9 9	126	19.1	10.1	14.6	-	25.4	1	3.3	28	16.0	-	57	-	16	24	14	8	0	0	0	0	0	0	0	2	-	0	-	-	-
NOTTINGHAMSHIRE																																
MANSFIELD	9 9	114	19.1	11.5	15.3	-0.2	26.5	1	7.0	28	-	-	63	-	15	18	13	13	0	0	0	0	0	0	0	0	-	0	-	-	-
NEWTHORPE	9 9	58	(19.5)	(11.5)	(15.5)	-	25.8	1	7.0	28	-	-	61	-	26	14	12	8	-	-	-	-	-	-	0	-	-	-	-	-	-
NOTTINGHAM	9 9	59	19.5	12.1	15.8	-0.3	26.5	2	8.5	28	16.1	15.5	66	94	15	24	14	10	0	0	0	0	0	0	0	0	-	0	4.42	94	-
SUTTON BONINGTON	9 9	48	19.6	11.1	15.3	-0.2	25.6	1.2	5.6	4.28	15.6	14.9	73	110	12	18	14	11	0	0	0	0	1	0	0	0	0	0	4.74	96	-
WARSOP	9 9	46	20.3	10.3	15.3	-	28.3	1	3.6	28	-	-	50	76	19	18	11	7	0	0	0	0	1	0	0	0	-	0	4.18	-	-
WATNALL	21-9	117	19.2	11.5	15.3	-0.2	26.3	1	7.1	28	-	-	66	83	18	14	16	10	0	0	0	0	1	0	0	0	0	0	4.35	90	-
STAFFORDSHIRE																																
KEELE	9 9	179	18.6	10.6	14.6	-	23.3	10	5.9	28	14.7	13.5	34	40	9	24	13	9	0	0	0	0	1	1	0	0	0	0	4.22	-	S
OAKEN	9 9	125	19.0	10.1	14.5	-0.6	24.6	1	4.4	28	15.6	-	70	91	15	24	16	11	0	0	0	0	1	0	0	0	-	0	-	-	S
PENKRIDGE	9 9	101	19.1	9.3	14.2	-	24.5	1.2	2.0	28	-	-	55	75	16	24	13	11	0	0	0	0	0	0	0	0	-	0	-	-	-
STONE	9 9	107	18.9	10.3	14.6	-	24.2	2	3.4	28	-	-	38	50	12	24	15	11	0	0	0	0	0	0	0	1	-	0	4.35	-	-
LEICESTERSHIRE																																
CALDECOTT	9 9	52	19.2	10.9	15.1	-	26.0	1	5.9	10	-	-	86	146	17	17	14	10	0	0	0	0	0	1	0	0	-	0	4.47	-	-
NEWTOWN LINFORD	9 9	119	19.0	10.7	14.9	-	26.0	2	6.3	4	-	-	84	118	14	18	13	12	0	0	0	0	1	0	0	0	-	0	4.67	-	-
SALOP																																
HAMPTON LOADE	9 9	64	19.6	9.9	14.7	-	25.7	1	3.0	28	-	-	99	-	24	17	15	11	-	-	-	-	-	-	0	-	-	-	4.64	-	-
NEWPORT	9 9	64	19.5	10.2	14.9	-0.2	24.9	1	2.8	28	-	-	53	74	10	18	16	11	0	0	0	0	1	0	0	0	-	0	4.57	95	-
OSWESTRY	9 9	174	18.5	-	-	-	23.7	1	-	-	-	-	57	70	15	24	15	11	0	0	0	0	0	0	0	0	-	0	4.01	81	-
PRESTON MONTFORD	9 9	67	19.3	10.0	14.7	-	24.6	1	2.9	28	15.5	14.6	95	-	38	21	16	13	0	0	0	0	0	0	0	-	-	0	(4.10)	-	-
SHAWBURY	21-9	72	19.6	10.1	14.9	-0.4	24.7	2	3.0	28	-	-	55	76	11	24	14	11	0	0	0	0	1	0	0	3	0	0	4.18	84	-
SHREWSBURY	9 9	56	19.4	10.7	15.1	-0.6	24.8	1	4.0	28	16.9	16.3	63	94	12	21	16	11	0	0	0	0	1	0	0	0	-	0	3.92	78	-
WEST MIDLANDS																																
BIRMINGHAM																																
EDGBASTON	21-9	163	18.5	12.0	15.3	-0.4	25.2	1	7.6	28	13.8	-	97	125	29	17	18	15	0	0	0	0	0	0	0	0	0	0	4.50	93	-
ELMDON AIRPORT	21-9	96	19.0	10.7	14.9	-0.6	25.6	1	4.0	28	-	-	94	-	30	17	18	13	0	0	0	0	0	0	0	1	0	0	4.49	86	-
KING EDWARD SCHOOL	9 9	137	19.1	11.4	15.3	-	25.4	1	6.6	28	-	-	95	129	27	17	17	15	-	0	-	-	-	3	0	-	-	-	-	-	-
COVENTRY AIRPORT	9 9	81	19.4	10.4	14.9	-	26.3	1	4.6	10	14.8	-	99	-	23	17	19	14	0	0	0	0	0	0	0	-	-	0	4.57	-	-
WARWICKSHIRE																																
LONG LAWFORD	9 9	87	19.3	10.7	15.0	-	26.4	2	4.7	28	16.3	-	104	-	25	24	20	13	0	0	0	0	0	0	0	0	-	0	-	-	-
LUDDINGTON	9 9	56	19.3	11.0	15.1	-	26.0	1	5.5	28	-	-	141	-	53	17	19	15	0	0	0	0	0	0	0	0	-	0	5.08	-	-
MORETON MORRELL	9 9	85	19.2	10.8	15.0	-	26.0	1	5.1	28	-	-	135	193	65	17	17	13	0	0	0	0	0	0	0	0	-	0	4.32	-	-
RUGBY	9 9	117	19.3	11.1	15.2	-0.5	26.2	3	5.9	28	16.4	15.5	108	152	19	17	14	13	0	0	0	0	0	0	0	0	0	0	-	-	-
SHIPSTON-ON-STOUR	9 9	111	19.0	11.0	15.0	-0.7	25.3	1	7.0	10	15.1	-	150	215	36	17	20	16	0	0	0	0	1	1	0	0	-	1	4.40	82	-
STRATFORD-UPON-AVON	9 9	49	19.5	10.6	15.1	-0.8	26.0	1	4.6	28	(16.6)	-	134	189	46	17	17	14	-	0	-	-	-	0	0	0	-	-	(4.50)	(85)	-
WELLESBOURNE	9 9	47	19.5	10.8	15.1	-	26.4	1	4.1	28	15.9	15.2	130	191	53	17	16	12	-	0	-	-	-	0	0	0	0	-	4.68	-	-
NORTHAMPTONSHIRE																																
BUGBROOKE MILLS	9 9	69	19.3	12.0	15.7	-	25.4	1	8.4	23	14.9	-	124	196	35	17	14	13	0	0	0	0	0	0	0	-	-	0	4.24	-	-
MOULTON PARK	9 9	122	18.7	11.2	14.9	-	25.1	1	6.2	28	15.9	14.7	126	-	25	17	17	12	0	0	0	0	0	0	0	0	-	0	4.42	-	S
RAUNDS	9 9	59	19.7	10.8	15.3	-0.7	27.0	1	5.1	10	16.4	14.6	102	179	23	17	15	13	0	0	0	0	1	0	0	0	-	0	3.86	76	S
HEREFORD & WORCESTER																																
ASTWOOD BANK	9 9	139	19.2	11.2	15.2	-	26.0	1.2	6.5	28	-	-	124	-	33	17	18	17	0	0	0	0	2	1	0	0	-	0	-	-	-
HEREFORD	9 9	52	20.2	10.8	15.5	-	25.9	1	5.0	28	16.7	15.9	91	138	32	16	14	9	0	0	1	0	1	0	0	0	-	0	4.85	-	-
LYONSHALL	9 9	155	19.2	10.6	14.9	-0.3	24.2	1	5.5	28	-	-	112	133	45	17	14	11	-	0	-	-	-	0	1	-	-	-	-	-	-
MALVERN	9 9	62	19.6	12.0	15.8	-	24.9	1	8.6	4	16.7	15.2	121	153	36	17	18	16	0	0	0	0	0	3	0	0	-	0	4.65	85	-
PERSHORE																																
COLLEGE OF HORT.	9 9	40	19.7	11.5	15.6	-	26.1	1	6.3	28	-	-	125	173	43	17	18	12	0	0	0	0	1	0	0	0	-	0	5.10	-	-
ROYAL RADAR EST.	21-9	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRESTON WYNNE	9 9	84	19.8	10.2	15.0	-	24.6	1	5.4	28	-	-	100	147	31	17	14	10	0	0	0	0	3	1	0	0	-	0	4.64	-	-
GLOUCESTERSHIRE																																
CHELTENHAM	9 9	65	19.6	10.5	15.1	-1.4	25.8	2	4.9	28	-	-	149	201	31	16	19	15	0	0	0	0	0	0	0	-	-	0	5.06	96	-
INNSWORTH	21-9	21	19.8	11.6	15.7	-	25.5	2	5.0	28	-	-	120	-	33	16	16	12	0	0	0	0	2	0	0	0	0	0	5.12	-	-
OXFORDSHIRE																																
BENSON	21-9	67	19.7	11.6	15.7	-	25.8	1	6.5	28	-	-	178	-	73	16	19	11	0	0	0	0	3	0	0	0	0	0	4.51	-	-
BRIZE NORTON	21-9	81	19.1	11.7	15.4	-	25.5	2	7.4	10	-	-	145	-	32	16	18	13	0	0	0	0	1	0	0	0	0	0	4.38	-	-
LETCOMBE REGIS	9 9	107	19.3	10.8	15.1	-	25.7	1	4.7	28	16.6	-	150	211	58	16	18	14	0	0	0	0	1	1	0	0	0	0	-	-	-
OXFORD	9 9	63	19.7	12.2	15.9	-0.6	25.9	1	7.8	28	16.9	16.0	129	190	38	16	20	12	0	0	0	0	1	0	0	0	0	0	3.98	71	-
SHIRBURN(MODEL FARM)	9 9	108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WALLINGFORD	9 9	48	19.5	11.0	15.3	-	25.4	1	5.7	28	16.0	14.7	164	297	59	16	17	11	0	0	0	0	1	4	0	0	-	0	4.04	-	-
BUCKINGHAMSHIRE																																
AYLESBURY	9 9	96	19.1	11.4	15.3	-0.6	25.6	1.2	6.5	28	-	-	123	213	45	16	18	12	0	0	0	0	1	4	0	0	-	0	4.36	81	-
GRENDON UNDERWOOD	9 9	67	19.2	10.4	14.8	-	25.2	2	3.7	10	15.8	14.7	131	204	32	16	18	14	0	0	0	0	2	1	0	0	-	0	4.30	-	S
MEDMENHAM	9 9	30	19.7	10.6	15.1	-	25.7	1	3.7	28	-	-	175	262	75	16	15	12	-	-	-	-	-	-	0	1	-	-	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

AUGUST 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (LIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	BRIGHT SUNSHINE EXPOSURE
5 ENGLAND SE & CENTRAL S.																																
GREATER LONDON																																
BROMLEY	9 9	65	19.9	12.5	16.2	-0.6	26.0	2	8.0	29	-	-	116	178	31	16	16	13	-	0	-	-	-	0	-	-	-	0	-	-	-	-
ENFIELD	9 9	17	20.2	(13.4)	(16.8)	-	26.7	2	8.6	29	16.5	14.7	112	-	29	16	18	12	0	0	0	0	2	0	0	-	-	0	-	-	-	-
GREENWICH	9 9	7	(20.3)	(12.7)	(16.5)	-	26.2	2	7.7	29	-	-	118	190	50	16	16	12	0	0	0	0	1	0	0	-	-	0	4.33	-	-	-
HAMPSTEAD	9 9	137	18.9	12.1	15.5	-0.8	25.8	1	7.7	28	-	-	161	236	80	16	14	12	0	0	0	0	1	0	0	-	-	0	4.37	77	S	
HAMPTON	9 9	12	19.8	12.9	16.3	-0.8	25.9	2	7.4	29	-	-	155	242	48	16	18	14	0	0	0	0	3	1	0	-	-	0	4.46	76	-	-
HARROW WEALD	9 9	98	(19.5)	(11.4)	(15.5)	-	25.5	1	6.2	29	(17.0)	(16.1)	164	-	67	16	14	12	-	-	-	-	-	0	0	-	-	-	-	-	-	-
HEATHROW AIRPORT	21-9	25	20.3	13.1	16.7	-0.3	26.6	2	8.1	29	-	-	150	231	52	16	15	13	0	0	0	0	3	2	0	0	0	0	4.38	-	-	-
KENSINGTON PALACE	9 9	25	20.0	12.8	16.4	-1.0	25.6	1	7.7	29	17.6	16.5	127	193	70	16	14	11	0	0	0	0	0	0	0	-	-	0	-	-	-	-
KEW	21-9	6																														
PSYCHROMETER			19.7	11.6	15.7	-	24.7	1	4.0	29	15.9	14.7	127	202	48	16	18	13	0	0	0	0	3	1	0	1	0	0	4.46	76	-	-
NORTH WALL SCREEN			19.8	12.7	16.3	-0.8	25.3	1	6.4	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LONDON																																
WEATHER CENTRE (X)	21-9	77	20.0	13.9	16.9	-	25.6	1	9.8	28	-	-	94	-	42	16	12	10	0	0	1	0	2	0	0	-	-	0	4.51	81	-	-
ST JAMES PARK	9 9	4	20.4	13.4	16.9	-0.6	25.9	1	8.1	29	-	-	104	167	43	16	14	10	-	0	-	-	-	0	0	-	-	0	-	-	-	-
SOUTHGATE	9 9	67	(19.7)	12.1	(15.9)	(-0.8)	25.6	2	7.9	29	16.1	-	(127)	(198)	35	16	(18)	(15)	0	0	0	0	2	0	0	-	-	0	4.66	88	-	-
WADDON	9 9	59	20.0	12.4	16.2	-0.5	25.0	1.2	7.5	29	-	-	98	159	23	24	17	14	-	-	-	-	-	-	0	-	-	-	-	-	-	-
WEALDSTONE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.37	-	-	-
WILTSHIRE																																
BOSCOMBE DOWN	21-9	126	19.5	11.1	15.3	-0.6	24.9	1	6.9	28,29	-	-	174	260	62	16	18	13	0	0	0	0	2	0	0	0	0	0	4.82	84	-	-
LACOCK	9 9	49	19.6	10.4	15.0	-	25.0	1	4.7	28	-	-	120	163	29	24	17	13	-	0	-	-	-	0	0	-	-	0	-	-	-	-
LARKHILL	9 9	132	19.7	11.0	15.3	-0.3	25.2	1	6.8	28	-	-	137	193	55	16	13	9	0	0	-	0	2	0	0	0	0	0	-	-	-	-
LYNEHAM	21-9	145	19.2	11.2	15.2	-0.4	25.3	1	6.1	28	-	-	117	156	37	16	15	14	0	0	0	0	2	0	0	0	0	0	4.96	-	-	-
PORTON	9 9	110	19.8	10.5	15.1	-0.5	25.3	1	6.2	29	15.6	-	142	202	51	16	16	12	-	0	-	-	-	0	0	0	0	0	4.67	80	-	-
TROWBRIDGE	9 9	37	20.0	11.2	15.6	-	26.4	1	5.7	23,28	16.7	-	169	-	72	16	16	15	0	0	0	0	2	0	0	0	0	0	-	-	-	-
UPAVON	21-9	179	19.4	11.4	15.4	-	25.5	1.2	7.0	28	-	-	140	191	35	16	18	12	0	0	0	0	2	0	0	0	0	0	-	-	-	-
BERKSHIRE																																
EASTHAMPSTEAD	9 9	77	19.6	10.5	15.1	-	25.6	1	4.0	29	15.7	14.7	127	-	29	17	16	13	0	0	0	0	3	0	0	0	0	0	4.18	-	-	-
HURLEY	9 9	43	(19.5)	(11.4)	(15.5)	-	25.5	1	4.7	29	16.5	-	171	251	74	16	16	13	0	0	0	0	2	1	0	0	-	0	4.25	-	-	-
LAMBOURN(WARREN FARM)	9 9	192	18.3	10.8	14.5	-	24.1	1	5.8	28	15.6	-	(131)	-	44	16	19	15	-	0	-	-	-	0	0	-	-	-	-	-	-	-
READING	9 9	66	19.8	11.8	15.8	-	26.0	1	6.4	29	15.8	14.6	132	-	32	16	16	13	0	0	0	0	2	1	0	0	0	0	4.32	-	-	-
SHINFIELD(N.I.R.D.)	9 9	62	19.7	11.6	15.7	-	25.3	1.2	6.2	29	-	-	115	-	27	16	14	12	0	0	0	0	2	2	0	0	-	0	4.26	-	-	-
SURREY																																
MERRIST WOOD	9 9	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICKLEHAM	9 9	55	19.5	10.7	15.1	-0.8	25.4	2	3.9	29	(16.5)	15.5	138	203	35	24	19	14	0	0	0	0	2	1	0	0	-	0	-	-	-	-
WISLEY	9 9	35	20.3	11.2	15.7	-0.8	26.3	2	4.7	29	16.7	15.8	136	223	38	16	15	12	0	0	0	0	2	2	0	0	-	0	(4.57)	(82)	-	-
KENT																																
DOVER R.M.S.	9 9	123	18.3	12.4	15.3	-	20.9	2	9.0	29	-	-	79	105	29	21	13	9	0	0	0	0	1	2	0	-	-	0	-	-	-	-
DUNGENESS	9 9	3	18.8	13.0	15.9	-	20.2	2	7.5	29	-	-	51	84	15	22	15	8	0	0	0	0	3	2	0	-	-	0	-	-	-	-
EAST MALLING	9 9	32	19.8	11.8	15.8	-0.3	24.3	2	5.5	29	16.8	15.8	86	135	29	27	17	10	0	0	0	0	2	1	0	0	0	0	4.49	75	-	-
ELMSTONE	9 9	5	20.3	10.7	15.5	-	24.2	4	3.5	29	-	-	71	125	26	21	12	8	0	0	0	0	2	0	0	-	-	0	-	-	-	-
FAVERSHAM	9 9	48	19.6	12.0	15.8	-	24.4	2	7.4	11,29	16.4	15.9	99	153	28	21	18	14	0	0	0	0	2	1	0	0	-	0	4.71	-	-	-
FOLKESTONE	9 9	31	19.2	12.0	15.6	-	22.1	16	5.3	29	-	16.4	81	131	32	21	14	7	0	0	0	0	2	1	0	0	-	2	5.85	89	-	-
GILLINGHAM	9 9	4	20.4	(12.9)	(16.7)	-	26.4	1	9.3	29	-	-	72	126	17	24	17	12	-	-	-	-	-	0	0	-	-	0	-	-	-	-
GOUDHURST	9 9	85	19.5	11.3	15.4	-0.3	23.5	2	5.0	29	-	-	77	98	24	24	16	13	0	0	0	0	1	2	0	0	-	0	-	-	-	-
HADLOW COLLEGE	9 9	30	20.1	10.9	15.5	-	24.6	1	3.7	29	16.3	15.4	69	-	19	24	15	14	0	0	0	0	2	0	0	0	-	0	-	-	-	-
HERNE BAY	9 9	31	19.4	12.4	15.9	-	24.5	4	8.0	29	17.0	-	94	-	24	21	14	13	0	0	0	0	1	0	0	0	-	0	5.55	88	-	-
MANSTON	21-9	44	19.5	12.7	16.1	-	23.9	4	7.5	29	-	-	69	128	24	22	12	6	0	0	0	0	1	3	0	0	0	0	5.81	-	-	-
MARGATE	9 9	16	19.1	14.1	16.6	-0.5	23.5	4	10.8	29	17.1	16.0	65	124	22	21	10	7	0	0	0	0	2	0	0	0	-	0	5.66	86	-	-
ULCOMBE	21-9	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYE	9 9	56	19.7	11.4	15.5	-0.8	23.3	2	4.7	29	16.5	15.6	104	149	24	21	16	13	0	0	0	0	4	3	0	0	-	0	4.65	76	-	-
HAMPSHIRE																																
ALICE HOLT LODGE	9 9	115	19.0	11.0	15.0	-0.7	24.9	1.2	4.5	29	-	-	100	135	29	24	19	12	0	0	0	0	3	3	0	0	-	0	3.96	-	S	
EVERTON	9 9	16	19.3	11.6	15.5	-	24.2	2	6.8	29	-	-	99	148	23	16	13	11	0	0	0	0	2	0	0	0	-	0	5.36	-	-	-
HAYLING ISLAND	9 9	4	(19.8)	(12.9)	(16.3)	-	(24.5)	1	8.2	29	-	-	78	122	19	24	14	13	0	0	0	0	0	0	0	-	-	1	5.62	-	-	-
LECKFORD	9 9	117	19.7	10.6	15.1	-0.8	24.6	1	6.0	29	15.0	-	139	181	42	16	17	11	0	0	0	0	1	0	0	-	-	0	4.51	78	-	-
LONG SUTTON	9 9	145	19.0	10.9	14.9	-	25.0	2	5.0	28	16.8	15.2	89	121	31	24	19	11	0	0	0	0	2	2	0	0	0	0	4.10	73	-	-
MARTYR WORTHY	9 9	84	19.8	10.6	15.2	-	25.4	1	5.6	29	-	-	99	133	33	24	16	14	0	0	0	0	0	0	0	0	-	1	3.78	-	-	-
SOUTHAMPTON																																
MAYFLOWER PARK	9 9	3	20.5	12.7	16.6	-0.5	25.5	2	8.6	29	17.4	16.7	103	-	29	16	16	9	0	0	0	0	1	0	0	0	0	0	5.35	88	-	-
WEATHER CENTRE (X)	21-9	19	20.3	13.0	16.7	-	26.4	2	8.8	29	-	-	109	-	33	16	14	9	0	-	0	0	1	0	0	-	0	0	-	-	-	-
SOUTHSEA	9 9	2	19.9	13.4	16.7	-0.6	24.7	1	9.5	28	17.7	17.0	111	168	37	16	14	12	0	0	0	0	2	0	0	0	-	0	5.37	82	-	-
SPARSHOLT	9 9	113	(19.2)	10.8	(15.0)	-	(24.0)	1	6.0	29	-	-	143	-	49	16	16	13	0	0	0	0	2	3	0	0	-	0	4.42	-	-	-
ISLE OF WIGHT																																
RYDE	9 9	4	19.8	13.3	16.5	-0.6	24.6	2	8.9	29	-	-	79	110	19	24	15	10	0	0	0	0	2	0	0	-	-	0	5.31	79	-	-
ST CATHERINES POINT	9 9	16	18.1	13.3	15.7	-0.7	20.9	2	10.1	29	-	-	62	93	13	24	17	11	0	0	0	0	2	0	0	-	-	2	-	-	-	-
SANDOWN	9 9	4	19.6	12.2	15.9	-1.2	24.4	3	6.6	29	-	-	65	99	17	16	13	13	0	-	0	0	0	0	0	-	-	0	6.02	87	-	-
SHANKLIN	9 9	55	18.8	12.3	15.5	-0.6	24.0	2	8.5	29	-	-	70	89	18	24	17	15	0	0	0	0	1	3	0	-	-	0	6.40	89	-	-
VENTNOR	9 9	135	18.9	12.9	15.9	-0.6	22.7	3	9.0	28	17.3	15.9	82	111	18	24	16	14	0	0	0	0	1	0	0	0	-	2	6.44	95	-	-
WEST SUSSEX																																
BOGNOR REGIS	9 9	7	18.7	13.0	15.9	-0.6	22.6	3	8.0	29	-	16.2	117	175	43	24	16	12	0	0	0	0	1	0	0	0	-	2	5.34	80	-	-
GATWICK AIRPORT	21-9	59	19.7	11.3	15.5	-	25.0	2	3.6	29	-	-	131	193	34	27	16	14	0	0	0	0	3	0	0	0	0	0	4.48	-	-	-
HURSTPIERPOINT	9 9	30	20.1	10.7	15.4	-	24.9	1	4.4	29	-	-	121	-	39	27	19	11	-	-	-	-	-	0	0	-	-	-	-	-	-	-
LITTLEHAMPTON	9 9	5	18.9	12.5	15.7	-0.8	23.7	16	6.7	29	-	16.3	117	180	40	24	17	14	0	0	0	0	0	0	0	-	-	0	5.70	86	-	-
NORTH HEATH	9 9	21	20.4	10.6	15.5	-	25.2	3	3.4	29	16.8	15.3	130	-	32	24	18	14	0	0	0	0	1	0	0	0	-	0	4.37	-	-	-
ROGATE	9 9	64	19.6	11.0	15.3	-	24.6	3	4.5	29	17.1	-	(109)	-	31	24	(17)	(12)	0	0	0	0	0	0	0	0	-	0	-	-	-	S
RUSTINGTON	9 9	8	19.1	11.6	15.3	-	23.9	16	5.2	29	-	16.3	105	-	39	24	14	13	-	0	-	-	-	0	0	-	-	-	4.54	-	-	-
WORTHING	9 9	2	19.4	11.8	15.6	-	25.0	16	5.1	29	17.9	-	102	-	35	27	14	7	0	0	0	1	0	0	0	-	-	0	5.44	-	-	-
EAST SUSSEX																																
BEXHILL	9 9	4	18.8	13.2	16.0	-0.5	22.6	16	8.5	29	17.5	16.0	46	70	12	24	15	11	0	0	0	0	1	0	0	-	-	0	5.80	90	-	-
BRIGHTON	9 9	10	18.9	13.1	16.0	-0.9	23.1	16	7.9	29	-	16.9	76	110	31	24	16	11	0	0	0	0	1	0	0	-	-	0	5.77	88	-	-
EASTBOURNE	9 9	7	19.2	13.4	16.3	-0.5	22.3	1	9.1	29	17.3	16.4	73	97	16	7	12	10	0	0	0	0	1	0	0	-	-	0	6.22	89	-	-
EAST HORTHLY	9 9	38	-	-	-	-	-	-	-	-	-	-	84	116	24	24	13	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HASTINGS	9 9	45	18.7	13.2	15.9	-0.8	22.2	16	10.5	28	17.9	16.9	60	93	19	21	13	9	0	0	0	0	3	2	0	0	-	0	5.81	89	-	-
HERSTMONCEUX	21-9	17	19.5	11.3	15.4	-	23.3	1	5.1	29	-	-	80	-	21	27	15	12	0	0	0	0	2	0	0	1	-	0	-	-	-	-
PLUMPTON	9 9	76	19.6	11.7	15.7	-	24.3	3	5.8	29	-	-	98	101	41	24	15	12	0	0	0	0	1	3	0	0	-	0	5.04	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

AUGUST 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
7A ENGLAND NW & I.O.M.																															
CUMBRIA																															
CARLISLE	21-9	26	19.3	10.1	14.7	-	24.8	11	1.4	28	16.3	15.4	68	67	24	26	10	6	0	0	0	0	2	0	0	2	0	0	6.34	-	-
CARTMEL	9 9	34	18.9	9.9	14.4	-	24.1	11	1.8	28	-	-	87	-	35	4	16	12	0	0	0	0	1	0	0	-	-	0	-	-	-
GRIZEDALE	9 9	91	18.8	8.5	13.7	-	23.9	11	1.0	28	14.5	-	115	67	45	24	14	10	0	0	0	0	0	0	0	12	-	0	-	-	-
MOOR HOUSE	9 9	556	14.5	6.7	10.6	-	20.6	1	-2.0	28	11.1	-	104	55	22	4	16	13	1	0	0	0	1	1	1	8	-	1	4.93	-	-
NEWTON RIGG	9 9	171	(18.6)	(9.4)	(14.0)	(-0.1)	24.1	1	2.1	28	15.5	-	61	78	19	24	13	11	0	0	0	0	1	0	0	1	-	0	(5.00)	(108)	S
SELLAFIELD	9 9	13	18.9	(11.9)	(15.4)	-	22.5	22	6.5	28	-	-	81	86	19	4	15	11	-	0	-	-	-	2	0	0	-	-	(6.45)	-	-
LANCASHIRE																															
HAZELRIGG	9 9	94	18.3	11.2	14.7	-	23.3	11	4.2	28	-	-	70	-	36	4	14	11	0	0	0	0	1	0	0	0	-	1	5.95	-	-
HELMSHORE	9 9	260	17.5	10.5	14.0	-	22.1	11	5.5	28	13.8	-	83	55	17	4	13	10	0	0	0	0	2	0	0	0	-	0	4.66	-	S
KIRKHAM	9 9	24	19.1	10.9	15.0	-	24.4	11	2.3	28	-	-	56	54	15	4	12	8	0	0	0	0	0	0	0	1	-	0	5.68	-	-
MORECAMBE	9 9	7	19.7	12.5	16.1	+0.4	24.9	11	5.0	28	-	-	57	57	30	4	14	9	0	0	0	0	0	0	0	-	-	0	6.32	120	-
PRESTON	9 9	33	19.2	11.3	15.3	-	24.1	11	3.5	28	-	-	51	45	14	4	11	7	0	0	0	0	1	0	0	1	-	0	-	-	-
SLAIDBURN	9 9	192	17.5	10.0	13.7	-	23.3	11	3.5	28	-	-	84	56	21	4	16	12	0	0	0	0	0	0	0	0	-	0	5.13	-	-
SQUIRES GATE AIRPORT	21-9	10	19.8	11.2	15.5	0.0	24.3	11	2.6	28	-	-	40	42	14	4	13	9	0	0	0	0	0	0	0	1	0	0	5.90	103	-
STONYHURST	9 9	115	(18.6)	(10.5)	(14.5)	(-0.2)	24.9	11	3.2	28	-	-	89	68	24	25	10	10	-	0	-	-	-	0	0	-	-	-	(5.67)	(121)	-
MERSEYSIDE																															
AIGBURTH	9 9	12	19.8	12.3	16.1	-	25.0	10.11	5.6	28	-	-	39	-	9	14	13	10	0	0	0	0	0	0	0	0	0	0	4.89	-	-
BIDSTON	9 9	60	18.4	12.4	15.4	-	23.1	11	8.9	28	-	-	34	-	9	24	12	7	0	-	0	0	0	0	0	0	-	0	4.94	-	-
ST HELENS	9 9	76	(19.4)	(11.5)	(15.5)	-	24.8	11	5.3	28	16.5	-	51	-	11	4	13	11	-	-	-	-	-	-	0	-	-	-	4.71	-	-
SOUTHPORT	9 3	5	19.2	10.6	14.9	-0.6	24.1	11	3.2	28	15.7	13.8	42	45	10	4	15	8	-	-	-	-	-	-	0	1	-	-	-	-	-
SPEKE AIRPORT	21-9	22	20.0	11.5	15.7	-0.3	25.5	11	4.7	28	-	-	37	-	7	25	14	9	0	0	0	0	0	0	0	0	0	0	4.97	101	-
WEST KIRBY PARK	9 9	8	19.9	11.9	15.9	-0.2	25.4	11	5.3	28	-	-	34	44	9	24	12	10	0	0	0	0	0	-	0	0	-	0	-	-	-
GREATER MANCHESTER																															
BOLTON	9 9	107	17.8	11.0	14.4	-	22.0	11	4.0	28	14.9	14.2	58	-	11	24	12	9	0	0	0	0	0	0	0	0	-	0	4.61	97	-
MANCHESTER																															
RINGWAY AIRPORT	21-9	75	19.2	11.8	15.5	0.0	23.7	11	5.5	28	-	-	45	50	15	25	9	8	0	0	0	0	1	0	0	0	0	0	4.77	97	-
WEATHER CENTRE (X)	21-9	69	19.7	12.9	16.3	-	24.3	11	7.2	28	-	-	60	-	12	14	14	9	0	-	0	0	0	0	0	-	-	0	4.80	-	-
CHESHIRE																															
KNUTSFORD	9 9	65	19.8	10.5	15.1	-	24.4	2.11	4.5	28	16.2	15.5	43	48	13	25	10	8	0	0	0	0	0	0	0	0	-	0	-	-	-
MACCLESFIELD	9 9	152	18.7	11.0	14.9	-0.3	24.0	2	4.6	28	-	-	41	43	9	25	11	9	0	0	0	0	0	0	0	-	-	0	-	-	-
NESS GARDENS	9 9	55	19.4	11.4	15.4	-	24.5	11	6.0	28	16.3	-	35	48	10	25	13	11	0	0	0	0	0	0	0	0	-	0	4.03	-	S
ISLE OF MAN																															
DOUGLAS	9 9	87	17.6	11.9	14.7	+0.4	20.6	1	8.0	6	-	-	89	87	26	24	14	10	0	0	0	0	0	1	0	0	-	1	7.18	122	-
POINT OF AYRE	21-9	9	18.9	12.0	15.5	+0.4	23.2	1	6.8	28	-	-	62	76	17	24	13	10	0	0	0	0	0	0	0	-	-	0	7.15	122	-
RONALDSWAY AIRPORT	21-9	16	18.0	11.2	14.6	+0.1	21.3	16	5.8	6	-	-	66	86	21	29	11	7	0	0	0	0	0	0	0	0	0	0	7.36	128	-
7B WALES N																															
GWYNEDD																															
ABER	9 9	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALA	9 9	163	18.3	8.7	13.5	-	24.1	1	2.0	28	15.8	15.3	51	49	12	4	13	9	0	0	0	0	0	0	0	1	-	0	4.12	-	-
BARDSEY ISLAND	21-9	16	17.7	12.8	15.3	-	20.5	13	10.6	6	-	-	61	80	15	24	12	6	0	0	0	0	0	0	0	0	0	-	-	-	-
BETWS-Y-COED	9 9	15	(19.5)	(8.6)	(14.1)	-	24.7	12	(1.0)	23	(16.1)	-	80	-	20	23	15	13	0	0	0	0	1	0	0	-	-	0	-	-	-
BOTWNNOG	9 9	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CWMYSTRADLLYN	9 9	204	17.4	11.3	14.3	-	21.5	11,12,14	7.0	28	-	-	146	-	39	4	14	13	-	-	-	-	-	-	0	-	-	-	5.18	-	-
LLYN ALAW	9 9	44	18.9	11.5	15.2	-	23.5	11	7.0	28	-	-	92	-	20	4	17	10	-	-	-	-	-	-	0	-	-	-	5.81	-	-
PEN-Y-FFRIDD	9 9	84	19.2	11.5	15.3	-	24.0	10	5.5	28	-	-	87	89	33	4	15	11	0	0	0	0	0	0	0	0	-	0	5.70	-	-
TRAWSFYNYDD	9 9	193	-	(10.8)	-	-	-	-	3.5	28	-	-	91	62	26	4	14	9	-	0	-	-	-	0	0	0	0	-	-	-	-
VALLEY	21-9	10	19.2	12.3	15.7	+0.4	24.5	12	7.2	28	-	-	55	72	12	4	13	8	0	0	0	0	1	0	0	0	0	0	6.81	116	-
CLWYD																															
ALWEN	9 9	335	16.8	7.7	12.3	-	21.5	12	0.5	28	-	-	66	59	13	4	15	11	-	-	-	-	-	-	0	7	-	-	-	-	-
BWLCHGWYN	9 9	386	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLWYN BAY	9 9	24	18.7	12.3	15.5	-	22.7	3	7.2	28	-	-	66	100	15	24	14	10	0	0	0	0	0	0	0	-	-	1	5.35	97	-
CORWEN	9 9	144	18.9	8.4	13.7	-	23.1	10	0.4	28	-	-	51	57	20	25	12	8	0	0	0	0	0	-	0	2	-	0	-	-	-
HAWARDEN BRIDGE	9 9	5	20.3	10.9	15.6	-0.4	25.2	11	3.9	28	-	-	29	43	6	24	14	10	0	0	0	0	0	0	0	-	-	0	-	-	-
LOGGERHEADS	9 9	210	17.7	9.4	13.5	-	22.0	2.11	1.7	28	14.4	13.7	52	63	10	25	14	11	0	0	0	0	1	1	0	1	-	0	4.89	-	S
PRESTATYN	9 9	4	19.2	12.3	15.7	-0.2	23.4	2	6.7	28	-	-	46	68	10	4	13	10	0	0	0	0	0	0	0	-	-	0	5.41	106	-
RUTHIN	9 9	76	19.3	10.4	14.9	-	24.3	11	2.8	28	-	-	43	64	9	25	14	10	0	0	0	0	0	0	0	-	-	0	4.59	-	-
POWYS(NORTH)																															
LAKE VYRNWY	9 9	303	17.0	9.4	13.2	-0.5	23.4	1	3.0	28	14.0	-	123	92	35	24	15	10	0	0	0	0	0	5	0	0	-	0	-	-	-
MOEL CYNNEDD	9 9	358	16.9	7.6	12.3	-	22.6	1	0.4	28	12.9	-	232	-	98	15	18	13	0	0	1	0	2	0	0	7	-	0	-	-	-
8A WALES S																															
DYFED																															
ABERPORTH	21-9	134	17.8	11.7	14.7	-0.2	22.0	11,14	8.0	9	-	-	91	118	25	24	17	13	0	0	0	0	3	0	0	0	0	1	6.45	115	-
ABERYSTWYTH	9 9	4	-	-	-	-	-	-	-	-	-	-	87	87	26	25	10	8	0	0	0	0	0	1	-	-	-	0	-	-	-
BRAWDY	21-9	111	18.1	11.6	14.9	-	22.3	12	8.6	28	-	-	103	-	23	24	15	12	0	0	0	0	2	0	0	0	0	0	6.82	-	-
BRYNAMMAN	21-9	183	19.1	11.2	15.1	-	24.0	12	5.9	28	-	-	95	-	27	24	13	10	0	0	0	0	2	0	0	0	-	0	-	-	-
CARMARTHEN	9 9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CWMYSTWYTH	9 9	301	17.5	(9.0)	(13.3)	-	22.0	15	3.6	27,28	-	-	116	76	37	24	15	12	0	0	0	0	0	0	0	0	-	0	4.55	-	S
DALE FORT	9 9	33	(19.2)	(12.6)	(15.9)	(+0.2)	23.9	12	7.1	23	(17.4)	-	78)	-	19	23	13	9	0	0	0	0	1	0	0	-	-	1	(7.22)	-	-
ESGAIRWEN-UCHAF	9 9	332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOGERDDAN	9 9	31	19.2	10.7	14.9	-	22.8	13	4.6	27	-	-	112	114	32	14	13	11	0	0	0	0	3	0	0	0	-	0	5.33	-	-
LLETY-EVAN-HEN	9 9	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MILFORD HAVEN (CONSERVANCY BOARD)	21-9	37	18.9	12.5	15.7	-	22.8	15	8.7	28	-	-	89	104	19	24	14	10	0	0	0	0	3	0	0	0	0	0	-	-	-
ORIELTON	9 9	61	19.3	11.3	15.3	-	23.4	12	7.2	8	16.4	-	122	130	43	16	13	10	0	0	0	0	1	1	0	0	-	0	-	-	-
SKOKHOLM ISLAND	9 9	35	17.7	13.0	15.3	-	20.6	12	10.9	28	-	-	118	-	47	24	13	8	0	0	0	0	1	1	0	-	-	0	-	-	-
TENBY	- -	-	19.5	10.4	14.9	-	23.1	13	5.8	28	-	-	107	-	30	16	12	9	0	0	0	0	2	1	0	-	-	0	-	-	-
TRAWSCOED	9 9	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	7.21	-	-
TREGARON	9 9	178	19.1	8.8	13.9	-	23.4	14	1.5	27	-	-	83	-	41	24	14	9	0	0	0	0	0	0	0	-	-	0	4.64	-	-
WHITECHURCH	9 9	130	18.9	10.2	14.5	-	23.7	15	5.1	28	-	-	115	-	26	24	15	12	0	0	0	0	2	0	0	0	-	1	-	-	-
POWYS(SOUTH)																															
CENARTH	21-9	308	-	-	-	-	-	-	-	-	-	-	95	-	34	24	16	12	0	0	0	0	0	2	-	-	-	0	-	-	-
LLANGENNY	9 9	122	20.0	10.3	15.1	-	25.6	1	5.0	28	-	-	108	-	56	17	13	9	0	0	0	0	1	-	0	-	-	0	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

AUGUST 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HIGHT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
8A WALES S CONTINUED																															
WEST GLAMORGAN																															
MUMBLES HEAD	21-9	36	19.1	13.6	16.3	-	22.3	11	10.3	28	-	-	-	-	-	-	0	0	0	0	1	0	0	0	0	2	-	-	-
NEATH	9 9	62	-	12.0	-	-	-	-	7.0	28	-	-	95	78	40	24	12	11	0	0	0	0	0	0	0	0	-	0	-	-	-
PENMAEN	9 9	85	19.4	12.1	15.7	-	23.6	11	8.2	28	16.8	16.5	93	82	23	24	12	8	0	0	0	0	0	0	0	0	-	0	5.94	-	-
PORT TALBOT	9 9	7	20.6	(12.3)	(16.5)	-	25.2	11	5.0	28	-	-	103	92	31	24	13	11	0	0	0	0	1	0	0	0	-	0	-	-	S
SWANSEA	9 9	8	19.6	13.4	16.5	0.0	23.0	1	9.2	28	16.5	17.4	91	86	29	24	13	10	0	0	0	0	0	0	0	0	-	0	-	-	S
WHITEFORD BURROWS	9 9	6	(19.8)	(11.4)	(15.6)	-	23.5	15	5.5	28	-	-	99	-	25	24	13	9	0	0	0	0	0	0	3	0	-	0	-	-	S
MID GLAMORGAN																															
ABERDARE	9 9	174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CILFYNYDD	21-9	194	19.3	11.0	15.1	-	24.0	1	6.2	28	-	-	109	-	43	24	12	9	0	0	0	0	1	0	0	0	-	0	-	-	-
LLWYNON	9 9	242	18.5	9.7	14.1	-	23.0	11	4.4	28	-	-	108	75	30	17	14	9	0	0	0	0	0	3	0	0	-	0	4.58	-	S
PORTHCAWL	9 9	6	(19.7)	(13.0)	(16.3)	-	24.3	15	9.0	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	S
SOUTH GLAMORGAN																															
BRIDGEND	9 9	43	20.4	10.8	15.6	-	24.5	11	5.8	28	16.8	15.4	95	-	21	24	13	11	0	0	0	0	1	-	0	0	-	0	-	-	-
RHOOSE AIRPORT	21-9	67	19.7	11.7	15.7	-	23.9	11	7.2	28	-	-	88	-	18	24	13	12	0	0	0	0	2	0	0	0	0	0	5.85	-	-
GWENT																															
CRUMBLAND	9 9	245	18.9	11.1	15.0	-	24.9	2	6.8	28	15.0	14.1	112	117	32	16	14	12	0	0	0	1	3	0	0	-	0	0	5.15	-	-
NEWPORT	9 9	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USK	9 9	21	21.1	10.2	15.7	+0.1	26.3	1	5.3	23	17.7	-	108	125	29	24	14	12	0	0	0	0	0	-	0	0	-	0	4.83	94	-
8B ENGLAND SW																															
AVON																															
BATH	9 9	118	(19.1)	(11.9)	(15.5)	-	25.0	1	-	-	16.9	-	(159)	(193)	(69)	16	(15)	(13)	0	0	0	0	0	-	-	-	-	0	-	-	-
FILTON	21-9	59	20.1	12.0	16.1	0.0	24.7	1	8.0	28	-	-	125	150	38	16	13	12	0	0	0	0	2	0	0	0	0	0	5.35	97	-
LONG ASHTON	9 9	51	20.1	11.5	15.8	-0.2	25.4	15	7.2	23	16.9	-	130	137	35	16	15	11	0	0	0	0	2	1	0	0	0	0	5.53	96	-
SOMERSET																															
CANNINGTON	9 9	23	20.6	12.2	16.4	0.0	25.0	1.4	7.3	28	17.9	-	74	101	25	16	14	10	0	0	0	0	1	0	0	0	-	0	4.42	75	S
CREWKERNE	9 9	101	19.2	11.7	15.5	-	23.4	2.11	7.9	28	-	-	85	-	25	24	14	10	0	0	0	0	0	-	0	-	-	1	-	-	-
DOWNSIDE ABBEY	9 9	183	18.5	11.4	14.9	-	23.1	1	7.1	28	-	-	163	151	47	16	17	16	0	0	0	0	0	1	0	0	-	0	-	-	-
EXTON	21-9	335	18.4	10.3	14.3	-	22.4	12	6.4	26	-	-	181	-	41	16	18	18	0	0	0	1	0	3	1	0	0	0	-	-	-
HAWKRIDGE	9 9	314	17.5	10.1	13.8	-	21.4	11	6.5	9.28	-	-	213	159	54	21	17	16	0	0	0	0	1	1	0	0	-	0	4.40	-	-
NETTLECOMBE	9 9	96	19.3	(10.4)	(14.9)	-	23.2	11	5.4	23	17.1	-	111	-	34	16	15	12	0	0	0	0	3	0	0	0	-	0	-	-	-
NETTLECOMBE(BIRDS HILL)	9 9	290	17.4	(11.4)	(14.4)	-	21.8	15	8.4	26	-	-	129	-	41	16	16	12	0	0	0	0	1	0	0	0	-	1	-	-	-
ROONEY STOKE	9 9	40	19.7	11.8	15.7	-	24.5	1	7.8	4.23	17.0	15.8	107	113	27	16	16	13	0	0	0	0	1	0	0	0	-	0	-	-	-
WINCANTON	9 9	114	19.6	11.2	15.4	-	25.0	1	6.0	29	-	-	115	132	34	16	14	13	0	0	0	0	1	0	0	0	-	0	5.12	-	-
YEOVILTON	21-9	18	20.0	11.2	15.6	-	24.3	1	6.0	23	-	-	87	120	23	24	15	13	0	0	0	0	0	0	0	0	0	0	-	-	-
DORSET																															
BOURNEMOUTH																															
HURN AIRPORT	21-9	10	20.1	11.0	15.5	-	24.9	2	6.0	29	-	-	115	171	43	24	15	10	0	0	0	0	1	0	0	0	0	0	5.43	-	-
MEYRICK PARK	9 9	40	19.4	11.9	15.7	-0.8	24.9	1	8.2	29	17.0	15.8	110	169	46	24	14	12	0	0	0	0	0	0	0	0	-	0	6.00	93	-
CHRISTCHURCH	9 9	3	19.7	(11.7)	(15.7)	-	24.9	2	6.8	29	-	-	125	192	37	16	15	13	0	0	0	0	0	0	0	0	-	0	-	-	-
POOLE	9 9	5	20.4	11.8	16.1	-0.5	25.4	2	7.3	29	17.7	16.9	100	156	27	24	14	9	0	0	0	0	1	0	0	0	-	0	5.82	90	-
PORTLAND BILL (COASTGUARD)	21-9	53	18.2	13.3	15.7	-0.4	20.4	11	9.5	28	-	-	107	-	36	16	12	6	0	0	0	0	1	1	0	0	0	0	6.20	-	-
SWANAGE	9 9	11	19.0	12.8	15.9	-0.6	24.1	2	9.0	29	-	16.6	102	154	25	24	14	12	0	0	0	0	1	0	0	0	-	0	5.73	83	S
WEYMOUTH	9 9	23	19.3	12.2	15.7	-	22.0	2	8.0	28	-	-	117	-	30	23	13	10	0	0	0	0	0	0	0	0	-	0	6.02	90	-
WINFRITH	9 9	26	19.8	11.2	15.5	-	24.4	2	7.5	11.28.29	-	-	107	151	36	24	11	9	0	0	0	0	0	0	0	0	-	0	-	-	-
DEVON																															
CHELDON BARTON	9 9	164	19.6	10.1	14.9	-	23.9	12	6.0	8	16.1	-	100	-	21	24	17	13	0	0	0	0	3	0	0	0	-	0	5.38	-	-
EXETER AIRPORT	21-9	32	20.4	11.3	15.9	-0.1	25.1	2	7.0	29	-	-	81	119	27	16	11	10	0	0	0	0	0	0	0	0	0	0	5.07	89	-
EXMOUTH	9 9	59	20.0	12.5	16.3	+0.4	24.6	2	9.0	11.28	-	-	95	140	35	16	11	9	0	0	0	0	0	0	0	0	-	0	6.11	98	-
HARTLAND POINT	21-9	91	17.3	13.3	15.3	-0.2	20.9	15	10.6	26	-	-	63	76	17	16	13	10	0	0	0	0	0	0	0	0	0	0	6.45	106	-
ILFRACOMBE	9 9	8	19.1	13.7	16.4	-	23.3	15	11.2	25	17.7	16.6	83	-	23	24	15	10	0	0	0	0	0	0	0	0	-	0	6.31	-	-
PLYMOUTH																															
MOUNT BATTEN	21-9	27	19.2	12.1	15.7	-0.2	23.4	15	8.8	28	-	-	106	125	39	23	12	10	0	0	0	0	2	0	0	0	-	0	6.82	110	-
THE HOE	9 9	36	19.1	12.5	15.8	-0.5	23.4	15	9.5	28	17.4	16.5	106	128	39	23	12	9	0	0	0	0	1	-	0	0	0	0	6.65	109	-
PRAWLE POINT	21-9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	1	2	-	-	-	3	5.95	-	-
PRINCETOWN	9 9	414	17.1	10.4	13.7	-	21.1	12	6.5	28	-	-	156	-	34	18	12	11	0	0	0	0	0	2	0	0	-	0	-	-	-
SLAPTON	9 9	32	19.8	12.2	16.0	-	23.1	2.3	8.4	4	-	-	101	116	46	23	14	8	0	0	0	0	1	1	0	0	-	0	-	-	-
STARCROSS	9 9	9	19.9	11.6	15.7	-0.4	23.8	2	7.2	23	17.4	-	77	114	27	16	12	9	0	0	0	0	0	0	0	0	-	0	5.24	83	-
TAVISTOCK	9 9	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEIGNMOUTH	9 9	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TORBAY(TORQUAY)	9 9	8	19.8	12.7	16.3	-0.2	23.8	2	9.3	26	-	17.8	101	144	32	23	13	10	0	0	0	0	1	2	0	0	-	2	6.25	95	-
CORNWALL																															
BASTREET	9 9	232	18.8	9.1	13.9	-	22.5	12	3.7	23	-	-	110	72	24	24	12	11	0	0	0	0	1	1	0	0	-	0	6.50	-	-
BUDE	9 9	15	19.0	11.5	15.3	-0.4	24.1	11	7.1	1.23	18.1	-	67	86	16	24	12	8	0	0	0	0	0	0	0	0	-	0	6.36	109	-
CULDROSE	9 9	81	18.8	11.8	15.3	-	22.9	10	8.1	8	-	-	158	219	50	23	15	13	0	0	0	0	2	1	0	0	0	1	7.56	-	-
ELLBRIDGE	9 9	69	20.2	11.0	15.6	-	25.3	12	7.2	8	-	-	92	92	34	23	12	10	0	0	0	0	0	0	0	0	0	0	5.99	104	-
FALMOUTH	9 9	51	19.1	11.6	15.3	-0.8	22.0	12	8.6	27	-	-	121	142	42	23	15	12	0	0	0	0	0	0	0	0	-	0	7.08	114	-
FOWEY	9 9	75	18.9	11.7	15.3	-0.9	23.0	12	7.7	8	-	-	105	-	45	23	13	9	0	0	0	0	2	1	0	0	-	0	-	-	-
GULVAL	9 9	15	19.2	12.0	15.6	-	22.5	9.12	8.0	28	-	-	138	-	55	23	15	13	0	0	0	0	1	0	0	0	-	0	7.06	-	-
GWENNAP HEAD	21-9	66	17.9	13.0	15.5	-	20.8	13	10.5	1	-	-	99	-	33	23	13	11	0	0	0	0	2	1	0	-	-	3	-	-	-
LIZARD	9 9	75	19.0	(12.8)	(15.9)	(+0.2)	22.0	15	9.9	8	-	-	110	164	31	21	14	13	0	0	0	0	2	0	0	-	-	3	7.69	116	-
NEWQUAY	9 9	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENZANCE	9 9	19	19.6	12.0	15.8	-0.4	23.1	12	8.7	8	-	-	141	170	59	23	14	14	0	0	0	0	2	0	0	-	-	0	7.29	114	-
ROSEWARNE	9 9	76	19.3	12.0	15.7	-	23.9	14	8.1	28	18.0	16.9	132	165	40	23	14	12	0	0	0	0	2	0	0	0	-	1	6.67	-	-
ST AUSTELL(BETHEL)	9 9	55	19.2	12.1	15.7	-	23.6	12	9.0	26	-	-	113	-	51	23	12	11	0	0	0	0	1	0	0	0	-	0	6.70	-	-
ST JOHNS	9 9	128	19.5	10.3	14.9	-	23.5	10	6.5	23	-	-	89	84	18	16	11	11	-	-	-	-	-	0	-	-	-	-	5.97	-	-
ST MAWGAN	21-9	103	19.2	12.3	15.7	-	23.6	12	9.5	28	-	-	106	126	26	24	12	12	0	0	0	0	1	0	0	0	0	0	7.81	-	-
SCILLY(ST MARYS)	21-9	48	19.1	13.4	16.3	0.0	22.7	15	11.4	26	-	-	120	169	48	23	19	9	0	0	0	0	0	1	0	0	0	0	7.45	114	-
CHANNEL ISLANDS																															
ALDERNEY	9 9	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GUERNSEY																															
AIRPORT	21-9	104	18.2	13.1	15.7	-0.4	22.7	15	10.2	28.29	16.0	15.3	63	93	24	26	10	7	0	0	0	0	1	0	0	0	0	0	7.23	99	-
L'ANCRESSE	9 9	5	19.0	13.1	16.1	-	22.2	15	8.9	9	-	-	61	102	17	5	14	10	0	-	0	0	0	-	0	-	-	0	7.60	-	-
JERSEY																															
AIRPORT	9 9	83	19.0	13.0	16.0	-	24.6	15	10.3	30	17.3	16.1	51	73	15	26	13	8	0	0	0	1	1	0	0	0	0	0	7.24	-	-
GOREY CASTLE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.10	-	-
ST HELIER	9 9	47	20.4	13.3	16.9	-0.8	25.0	15	10.0	29	-	-	52	73	26	26	13	6	0	0	0	0	1	0	0	0	-	0	7.55	102	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

AUGUST 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)											BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY		PRECIP-ITATION		SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE	0.2 MM OR MORE	1.0 MM OR MORE											EXPOSURE
NORTHERN IRELAND																													
LONDONDERRY																													
AGHANLOO	9 9	18	18.4	9.7	14.1	-	23.4	11	4.5	6,7	-	-	77	-	23	24	10	10	-	-	-	-	-	0	0	-	-	-	-
BANAGHER(CAUGH HILL) ...	9 9	216	17.4	8.2	12.8	-	21.6	11	2.0	6	-	-	73	-	22	23	12	12	0	0	0	1	0	0	1	-	1	5.66	-	-
CARMONEY	9 9	73	18.2	10.3	14.3	-	23.4	12	5.4	6,7	-	-	49	-	13	21	12	8	0	0	0	0	0	0	0	-	-	6.25	-	-
COLERAINE UNIVERSITY ...	9 9	23	17.8	8.9	13.3	-	22.9	11	2.5	6,7	15.2	13.7	65	-	15	24	12	9	0	0	0	0	0	0	2	-	0	6.43	130	-
COOLKEERAGH	9 9	3	18.9	10.7	14.8	-	24.7	12	5.0	6	-	-	52	-	11	25	9	9	-	-	-	-	-	0	-	-	-	-	-	-
DERRYNOYD FOREST ...	9 9	88	18.4	8.3	13.3	-	23.5	1	2.2	6	-	-	107	101	27	24	13	10	0	0	0	0	0	0	2	-	-	-	-	-
GARVAGH FOREST	9 9	88	18.2	8.4	13.3	-	22.8	11	3.6	7	15.7	13.8	102	94	32	24	15	12	0	0	0	0	0	0	1	-	-	-	-	-
LOUGHERMORE FOREST ...	9 9	174	18.0	7.7	12.9	-	22.8	12	0.3	6	-	-	68	68	14	25	13	11	0	0	0	0	0	0	4	-	2	-	-	-
MONEYDIG	9 9	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOMERSET FOREST ...	9 9	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																													
ALDERGROVE AIRPORT ...	21-9	68	18.7	10.3	14.5	+0.2	23.7	11	4.3	6	15.3	13.6	84	93	16	24	14	11	0	0	0	0	2	0	0	1	0	0	6.65	150	-
ALTNAHINCH	9 9	226	16.9	9.1	13.0	-	22.2	11	3.4	6	-	-	114	77	28	24	17	14	0	0	0	0	0	1	0	2	-	1	6.01	-	-
BALLYLUMFORD	9 9	24	18.0	10.9	14.5	-	22.0	1	7.0	6	-	-	88	-	40	24	10	9	-	-	-	-	-	0	0	-	-	-	-	-
BALLYMONEY	9 9	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALLYPATRICK FOREST ...	9 9	152	16.9	8.7	12.8	-	22.5	11	2.2	6	-	-	124	98	39	24	20	15	0	-	0	0	0	2	0	2	-	0	6.79	-	-
CARNLOUGH	9 9	12	17.7	10.2	13.9	-	20.9	1	5.3	6	-	-	104	-	38	24	13	12	0	-	0	0	0	0	-	-	-	0	-	-	-
DIVIS MOUNTAIN	9 9	363	16.0	8.5	12.3	-	21.0	11	2.1	6	-	-	115	96	28	24	12	12	0	-	0	0	0	0	-	-	-	-	-	-	-
GREENMOUNT	9 9	32	18.6	10.0	14.3	-	23.4	11	3.2	6	16.4	-	74	87	18	24	10	9	0	0	0	0	0	0	0	-	-	-	-	-
HYDE PARK (MALLUSK) ...	9 9	140	17.5	9.9	13.7	-	22.1	11	3.5	6	-	-	95	-	31	24	12	12	-	-	0	-	-	-	2	-	-	-	-	-
KILROOT POWER STATION	9 9	12	18.2	10.5	14.3	-	22.1	1	4.6	28	-	-	87	-	35	24	12	11	-	-	0	-	-	-	0	-	-	-	-	-
LISNAFILLAN	9 9	38	18.4	8.7	13.5	-	23.2	11	1.6	6	-	-	105	108	35	24	15	12	0	0	0	0	0	0	3	-	-	6.35	-	-
LOWTOWN	9 9	271	16.3	9.4	12.9	-	20.5	11	4.7	6	13.3	-	125	89	39	24	15	14	0	0	0	0	1	0	0	-	0	5.45	-	-
PARKMORE FOREST ...	9 9	235	16.3	8.8	12.5	-	20.6	11	4.0	6	14.2	-	134	82	35	24	19	17	0	0	0	0	1	0	2	-	1	-	-	-
WOODBURN NORTH	9 9	217	16.9	9.4	13.1	-	20.7	13	4.3	6	-	-	106	89	43	24	12	12	0	0	0	0	1	0	0	-	-	-	-	-
BELFAST																													
ANDERSONSTOWN	9 9	64	18.7	10.7	14.7	-	23.5	1	3.5	6	-	-	76	-	16	24	13	11	0	0	0	0	0	0	0	-	-	-	-	-
MALONE	9 9	35	18.5	10.5	14.5	-	22.2	11	2.9	6	15.8	-	77	-	18	24	12	11	-	-	-	-	-	0	4	-	-	6.46	-	-
MILLTOWN	9 9	37	19.2	10.9	15.1	-	23.2	1	3.6	6	-	-	74	-	18	24	13	11	0	0	0	0	2	0	0	-	1	-	-	-
NEWTOWNABBEY	9 9	32	18.4	11.8	15.1	-	23.5	11	6.4	28	16.5	-	80	83	19	24	13	11	0	0	0	1	0	0	0	0	0	5.92	-	S
ROSEBANK	9 9	47	19.0	11.3	15.1	-	23.6	1	5.5	6	-	-	-	-	-	-	-	-	-	0	-	-	-	0	0	-	-	-	-	-
ROSETTA	9 9	24	18.7	11.1	14.9	-	22.6	11	4.5	6	-	-	51	57	20	24	9	7	0	0	0	0	0	0	0	-	-	-	-	-
STORMONT CASTLE ...	9 9	56	18.4	11.1	14.7	-	22.1	1,11	5.4	6	16.1	14.9	83	93	34	24	11	10	0	0	0	0	0	0	0	0	-	6.16	-	-
DOWN																													
BANGOR SEACOURT ...	9 9	15	18.4	12.0	15.2	-	22.5	11	7.7	28	16.3	15.3	80	-	34	24	12	11	0	0	0	0	1	0	0	0	0	6.43	-	-
BALLYWALTER PARK ...	- -	11	-	-	-	-	-	-	-	-	-	-	89	100	32	24	11	10	-	-	-	-	-	-	-	-	-	6.64	-	-
BALLYWATTICOCK ...	9 9	6	18.4	10.5	14.5	-	21.8	1	4.3	28	-	-	80	103	28	24	12	9	0	0	0	0	1	0	0	1	-	0	6.65	-	-
CREIGHTONS GREEN	9 9	119	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DOWNPATRICK	9 9	26	18.9	10.7	14.8	-	23.5	1	5.2	28	-	-	71	-	25	24	10	10	-	-	-	-	-	1	0	0	-	-	-	-
HELENS BAY	9 9	43	19.0	11.3	15.1	-	23.1	11	7.2	28	-	-	87	103	37	24	13	11	0	0	0	0	0	0	0	0	0	6.58	-	-
HILLSBOROUGH	9 9	116	17.7	10.3	14.0	+0.1	21.5	11	3.8	6	14.8	13.2	89	93	24	4	10	10	0	0	0	0	0	0	4	-	0	6.49	149	-
MURLOUGH	9 9	9	-	9.0	-	-	-	-	3.1	31	14.5	13.1	56	-	11	24	12	10	0	0	0	0	0	2	0	5	-	2	5.97	-	-
ARMAGH																													
ARMAGH	9 9	62	19.2	9.7	14.5	-0.2	23.8	11	4.1	6	16.9	16.1	98	113	23	24	13	10	0	0	0	0	2	0	0	0	-	1	5.60	130	-
LOUGHGALL	9 9	25	18.9	9.0	13.9	-	22.9	11	2.6	6	-	-	96	120	32	24	12	10	0	0	0	0	0	0	1	-	0	6.19	-	-
LURGAN	9 9	55	19.0	9.9	14.5	-	23.3	11	3.0	6	15.6	14.6	77	95	23	24	11	8	0	-	0	0	0	-	3	-	-	6.12	-	-
TANDRAGEE	9 9	43	19.8	9.2	14.5	-	24.0	10,12	3.3	6	-	-	87	-	25	24	12	10	-	-	-	-	-	0	-	-	-	-	-	-
TYRONE																													
ALTAVEEDAN	9 9	175	17.8	8.8	13.3	-	22.5	11	3.2	7	-	-	104	-	23	23	12	10	-	-	-	-	-	-	0	0	-	-	-	-
CARRIGANS	21-9	113	18.9	9.7	14.3	-	23.7	12	2.9	6	-	-	81	76	19	23	13	8	0	0	0	0	0	0	1	0	0	5.76	-	-
COOKSTOWN	9 9	77	18.5	9.5	14.0	-	23.2	12	2.7	6	15.4	-	96	102	35	24	11	9	0	0	0	0	1	0	0	0	-	5.74	-	-
LOUGH BRADAN	9 9	169	17.8	7.3	12.5	-	21.7	10	1.5	6	-	-	113	86	20	4	12	9	-	0	-	-	-	0	0	1	-	-	5.75	-	-
POMEROY FOREST	9 9	174	17.5	9.0	13.3	-	22.0	12	3.0	6	16.4	-	82	82	21	23	12	9	0	0	0	0	0	0	0	0	-	-	-	-
STRABANE CONVENT ...	9 9	44	19.4	10.0	14.7	-	24.8	12	3.2	6	-	-	62	69	13	25	14	9	0	0	0	0	0	0	0	0	3	5.93	-	-
TIEVENNY	9 9	41	19.0	8.8	13.9	-	23.7	12	2.0	6	-	-	60	-	17	23	11	8	-	-	-	-	-	0	0	0	-	-	-	-
FERMANAGH																													
CASTLE ARCHDALE FOREST	9 9	66	18.7	8.7	13.7	-0.2	23.2	12	2.0	6	15.6	14.7	94	87	19	21	13	9	0	0	0	0	0	0	1	-	0	5.50	120	-
CORGARY	9 9	156	17.8	9.6	13.7	-	22.3	12	4.3	20	-	-	90	-	17	24	15	11	0	-	0	0	0	0	0	0	-	-	-	-	-
KNOCKARAVAN	9 9	53	19.1	9.0	14.1	-	24.0	12	3.5	6	-	-	82	-	16	23	15	12	0	0	0	0	1	0	0	0	-	-	-	-	-
LISNASKEA	9 9	49	19.1	8.6	13.9	-	23.6	12,13	3.6	6,23	-	-	91	100	18	24	13	10	0	-	0	0	0	0	0	0	-	5.53	-	-
LOUGH NAVAR FOREST ...	9 9	148	18.9	8.2	13.5	-	23.0	12	1.2	6	-	-	107	75	16	23	15	12	0	0	0	0	3	0	5	-	-	-	-	-
PUBBLE FOREST	9 9	91	18.8	8.7	13.7	-	23.7	12	1.7	6	-	-	93	87	17	4	13	11	0	-	0	0	0	0	2	-	-	-	-	-

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

AUGUST 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY NUMBER OF OBSERVATIONS: 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
0 SCOTLAND N SHETLAND																																									
FAIR ISLE	61	9	1016.1	-	11.9	1.0	12.3	88	5.7	2	5	0	17	5	2	0	0	2	1	1	0	0	3	15	9	1	5	19	6	0	3	4	10	3	3	5	2	0
		15	1016.3	-	12.7	1.3	12.5	85	5.3	1	6	5	13	5	1	0	0	1	0	2	0	1	3	17	7	2	4	20	3	2	2	4	9	3	2	4	2	2
		21	1016.4	-	11.1	0.7	12.0	90	5.1	0	10	3	10	7	1	0	0	1	0	2	0	3	4	10	11	0	7	8	10	6	3	4	8	1	3	3	1	2
LERWICK	83	3	1016.1	-	10.1	0.6	11.5	93	5.5	0	8	3	10	7	3	0	3	0	0	1	2	4	3	14	4	0	4	8	14	5	7	4	1	1	1	8	4	0
		9	1016.3	+ 5.9	-	-	-	-	6.0	0	4	3	15	8	1	0	1	0	0	0	4	2	3	12	9	0	5	11	14	1	6	7	1	4	4	6	1	1
		15	1016.4	-	12.8	2.0	11.7	78	5.6	0	6	5	12	8	0	0	0	0	1	0	3	0	5	15	7	0	6	8	16	1	6	5	2	5	4	6	2	0
		21	1016.7	-	10.6	0.8	11.6	90	5.3	0	8	4	11	5	3	0	1	2	0	0	1	4	8	9	6	0	2	9	16	4	6	7	2	1	3	4	3	1
ORKNEY																																									
KIRKWALL	26	3	1015.7	-	10.4	0.4	12.1	95	5.4	1	8	2	11	9	0	0	0	1	1	2	2	2	4	11	8	0	2	10	17	2	4	4	5	5	5	4	2	0
		9	1015.7	+ 5.1	13.0	1.0	13.3	88	5.7	0	6	4	13	8	0	0	0	0	1	0	0	4	6	10	10	0	4	15	12	0	2	7	4	6	7	2	2	1
		15	1015.8	-	14.2	1.9	12.9	80	5.9	0	5	4	12	10	0	0	0	0	0	0	0	3	7	7	14	0	1	14	16	0	3	5	7	7	2	1	4	2
		21	1016.0	-	10.9	0.4	12.5	95	5.8	0	5	5	12	9	0	0	0	0	2	0	2	3	5	9	10	0	1	6	23	1	4	4	5	7	5	3	2	0
WESTERN ISLES																																									
BENBECULA	7	3	1014.5	-	11.8	0.7	12.8	92	5.2	2	7	1	13	8	0	0	0	0	1	0	2	0	1	15	12	0	3	10	17	1	3	6	6	5	6	2	2	0
		9	1014.6	+ 4.0	14.0	1.5	13.4	84	6.0	0	3	7	11	10	0	0	0	0	0	1	2	1	15	12	0	3	14	14	0	2	5	4	5	5	6	3	1
		15	1014.8	-	15.8	2.5	13.4	75	5.0	0	10	5	10	6	0	0	0	0	0	1	1	0	2	9	18	0	1	19	11	0	1	8	3	4	3	10	1	1
		21	1014.8	-	12.4	0.9	13.0	89	5.5	0	4	8	12	7	0	0	0	0	0	1	0	1	3	9	17	0	0	8	22	1	4	6	4	4	7	3	2	0
STORNOWAY	5	3	1015.0	-	11.2	0.6	12.4	93	4.8	1	7	7	11	5	0	0	0	0	0	0	0	0	5	21	5	0	3	7	21	0	2	3	4	6	4	6	3	3
		9	1014.9	+ 4.2	13.6	1.4	13.1	84	5.6	1	2	7	16	5	0	0	0	0	0	0	0	3	3	18	7	0	4	12	15	0	0	5	4	8	7	2	4	1
		15	1014.9	-	15.1	2.2	13.2	77	5.3	0	4	9	12	6	0	0	0	0	0	0	0	2	4	8	17	0	3	12	16	0	0	7	5	4	8	4	2	1
		21	1015.0	-	12.5	0.8	13.1	90	5.0	0	6	11	9	5	0	0	0	0	0	0	0	2	3	15	11	1	1	11	17	1	3	8	5	3	5	4	2	0
HIGHLAND																																									
CAPE WRATH	113	3	1015.0	-	12.0	1.0	12.4	88	4.5	1	7	10	5	6	2	0	1	1	0	0	0	1	1	9	18	0	3	12	16	0	1	2	9	5	2	10	1	1
		9	1014.9	-	12.5	1.2	12.6	86	5.8	1	2	8	9	9	2	0	1	1	0	0	0	2	2	10	15	1	3	10	17	0	1	3	10	4	5	7	1	0
		15	1015.1	-	13.3	1.1	13.4	87	5.5	0	4	10	8	8	1	0	1	0	0	0	0	1	1	15	13	1	3	14	13	0	1	2	15	2	1	8	2	0
		21	1015.3	-	12.4	1.0	12.7	88	5.7	0	3	8	11	7	2	0	1	0	1	0	0	1	3	13	12	1	2	14	14	0	1	1	14	1	2	11	1	0
DALCROSS	12	9	1015.7	-	13.8	1.6	13.0	82	5.8	0	7	2	13	9	0	0	0	0	0	0	0	0	5	8	11	7	0	1	7	23	0	4	9	2	0	1	8	3	4
		15	1015.3	-	16.1	2.8	13.2	72	5.9	0	1	11	13	6	0	0	0	0	0	0	0	2	2	20	7	0	1	12	18	0	6	13	2	2	0	3	4	1
WICK	37	3	1015.9	-	10.8	0.5	12.2	93	5.7	0	6	3	13	8	1	0	0	3	0	1	2	3	6	6	10	0	0	8	22	1	4	3	4	7	5	3	3	1
		9	1015.8	+ 5.0	12.9	1.2	12.9	87	6.5	0	3	2	15	8	3	0	1	2	0	0	2	3	5	10	8	0	3	10	18	0	5	2	6	9	4	2	2	1
		15	1015.8	-	13.7	1.7	12.8	81	5.8	0	5	4	17	5	0	0	0	0	0	0	0	4	6	11	10	0	1	12	18	0	4	2	9	10	1	2	2	1
		21	1016.1	-	11.8	0.8	12.6	90	6.0	0	4	4	14	8	1	0	0	0	1	1	1	0	4	4	10	10	0	0	5	26	0	5	2	6	10	5	2	1	0
1 SCOTLAND E GRAMPIAN																																									
DYCE	59	3	1015.8	-	10.5	0.5	12.2	94	6.5	1	2	4	10	12	2	0	1	2	4	3	0	6	4	5	6	0	0	3	17	11	5	0	4	1	3	1	1	5
		9	1015.8	+ 4.4	13.9	1.6	13.2	82	6.6	1	2	0	17	11	0	0	0	0	0	2	0	9	7	5	8	0	1	7	20	3	3	0	7	4	6	1	0	7
		15	1015.4	-	16.0	2.8	13.1	73	6.1	0	3	4	14	10	0	0	0	0	1	0	2	3	4	11	10	0	0	11	20	0	5	1	11	7	5	0	1	1
		21	1016.0	-	12.2	0.8	12.9	90	6.1	0	5	4	11	11	0	0	0	0	0	1	3	9	4	9	5	0	0	4	23	4	3	1	5	3	5	4	1	5
FRASERBURGH	22	3	1016.2	-	11.6	0.6	12.7	93	5.5	1	3	7	9	7	4	0	0	4	0	1	1	2	11	13	0	1	1	2	27	0	2	2	4	7	6	2	6	2
		9	1016.2	+ 4.9	13.6	1.2	13.5	86	5.9	0	3	9	10	8	1	1	0	0	0	0	0	2	10	17	1	0	2	8	21	0	4	2	6	7	5	1	3	3
		15	1016.0	-	14.2	1.4	13.7	85	5.5	0	5	8	8	10	0	0	0	0	0	0	0	0	11	20	0	0	1	8	22	0	5	4	12	3	2	0	2	3
		21	1016.4	-	12.5	0.7	13.4	92	5.8	0	5	7	8	9	2	2	0	0	0	0	1	9	19	0	0	0	1	4	26	0	4	3	5	11	3	2	1	2
KINLOSS	6	3	1015.7	-	11.0	1.0	11.7	88	5.2	0	7	7	11	6	0	0	0	0	0	0	1	7	5	10	8	0	0	8	20	3	2	5	6	0	8	6	1	0
		9	1015.6	+ 4.5	14.3	1.9	12.9	79	5.6	0	7	3	15	6	0	0	0	0	0	0	2	5	7	11	8	0	2	9	20	0	6	2	8	0	3	5	5	2
		15	1015.1	-	16.7	3.2	13.1	69	5.5	0	6	3	18	4	0	0	0	0	0	0	0	2	3	14	12	0	2	15	14	0	6	6	8	2	1	4	1	3
		21	1015.7	-	13.4	1.6	12.6	82	6.1	0	2	6	17	6	0	0	0	0	0	0	0	3	6	12	10	0	0	5	25	1	2	10	9	1	4	2	2	0
LOSSIEMOUTH	6	3	1015.7	-	10.9	0.9	11.8	89	5.6	0	5	5	13	8	0	0	0	0	0	0	1	5	4	12	9	0	1	4	21	5	4	2	7	2	2	8	1	0
		9	1015.6	-	14.2	1.9	12.8	78	6.0	0	5	3	15	8	0	0	0	0	0	0	1	3	8	10	10	0	2	12	15	2	7	3	3	5	4	3	3	1
		15	1015.2	-	15.6	2.5	13.1	74	6.0	0	4	4	16	7	0	0	0	0	0	0	0	1	4	12	14	0	1	19	11	0	4	3	14	3	0	1	4	2
		21	1015.6	-	13.3	1.5	12.7	82	6.1	0	3	4	20	4	0	0	0	0	0	0	0	1	6	12	12	0	0	4	25	2	2	3	13	3	1	3	3	1
TAYSIDE																																									
USAN	35	9	1015.9	-	13.8	1.4	13.4	84	5.4	0	5	8	10	8	0	0	0	0	0	0	1	5	5	6	14	0	1	11	15	4	7	6	4	2	4	3	1	0
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1015.9	-	13.0	0.9	13.5	90	5.4	1	8	3	7	12	0	0	0	0	0	1	1	0	1	1	8	19	0	0	8	18	5	7	7	3	0	4	3	0	2
FIFE																																									
LEUCHARS	12	3	1015.6	-	11.1	0.6	12.4	92	5.2	2	4	8	9	8	0	0	0	0	0	1	0	0	9	6	12	3	0	0	7	22	2	4	4	4	0	0	8	8	1
		9	1015.7	+ 4.2	14.6	2.0	13.1	78	5.7	0	4	7	13	7	0	0	0	0	0	0	0	7	8	11	5	0	1	14	14	2	3	6	6	4	0	6	2	2
		15	1015.3	-	16.1	2.7	13.2	72	5.3	0	6	7	11	7	0	0	0	0	0	0	0	4	2	12	13	0	1	26	4	0	1	8	13	0	2	4	2	1
		21	1015.7	-	12.9	1.1	13.1	87	5.8	0	5	5	12	9	0	0	0	0	0	1	5	8	6	11	0	1	7	23	0	4	10	5	2	2	5	3	0
LOTHIAN																																									
TURNHOUSE	44	3	1015.6	-	11.3	0.7	12.5	92	5.9	3	1	4	15	8	0	0	0	0	0	0	3	5	6	15	2	0	0	4	20	7	1	6	9	0	0	4	4	0
		9	1015.6	+ 3.7	14.5	1.8	13.4	81	6.2	1	2	4	17	7	0	0	0	0	0	1	0	8	10	8	4	0	0	9	20	2	3	10	7	0	1	4	2	2
		15	1015.0	-	16.7	3.1	13.3	70	5.6	0	4	7	15	5	0	0	0	0	0	0	0	5	6	12	8	0	1	15	15	0	2	12	8	0	1	2	5	1
		21	1015.6	-	13.4	1.2	13.4	86	6.1	0	5	1	19	6	0	0	0	0	0	0	0	3	6	9	7	6	0	0	7	23	1	0	6	11	1	0	7	5	0
6 SCOTLAND W STRATHCLYDE																																									
ABBOTSINCH	9	3	1015.3	-	11.3	0.8	12.2	90	5.3	1	6	5	12	7	0	0	0	0	0	0	1	11	12	6	1	0	0	2	23	6	4	5	7	1	2	1	5	0
		9	1015.2	+ 3.3	14.6	1.8	13.4	81	5.4	0	5	8	12	6	0	0	0	0	0	0	0	9	12	8	2	0	0	6	21	4	1	7	12	0	0	5	1	1
		15	1014.5	-	18.0	4.1	12.6	62	5.2	0	7	7	12	5	0	0	0	0	0	0	0	2	5	12	12	0	0	15	16	0	0	6	10	1	1	5	6	2
		21	1015.1	-	14.1	1.8	13.0	80	5.8	0	4	6	14	7	0	0	0	0	0	0	0	7	7	15	2	0	0	4	25	2	1	4	11	1	0	7	5	0
GLASGOW WEATHER CENTRE (X)	17	3	1015.6	-	-	-	-	-	5.4	1	6	4	13	7	0	0	0	0	0	0	0	6	17	8	0	0	0	1	27	3	1	11	6	1	4	4	0	1
		9	1015.5	-	14.6	2.2	12.7	76	5.5	2	2	10	9	8	0	0	0	0	0	0	0	7	13	9	2	0	0	2	29	0	1	11	6	4	5	2	2	0
		15	1014.7	-	18.0	4.3	12.3	60	5.5	0	7	6	12	6	0	0	0	0	0	0	1	12	11	7	0	0	0	7	24	0	1	12	5	0	3	8	1	1
		21	1015.4	-	14.9	2.4	12.7	75	5.8	0	4	4	18	5	0	0	0	0	0	0	0	3	9	17	2	0	0	1	29	1	2	12	4	0	7	4	1	0
MACHRIHANISH	14	3	1014.4	-	11.9	0.9	12.6	89	5.0	1	7	8	6	9	0	0	0	0	0	1	0	3	12	10	5	0	1	12	16	2	3	0	10	11	1	0	3	1
		9	1014.5	-	14.5	1.8	13.4	81	5.3	0	7	8	7	9	0	0	0	0	0	1	0	7	12	6	5	0	2	13	15	1	2	1	13	3	2	1	3	5
		15	1014.2	-	16.5	2.8	13.5	72	5.4	0	7	5	14	5	0	0	0	0	0	1	0	2	11	11	6	0	0	13	17	1	1	0	7	4	3	0	5	10
		21	1014.5	-	13.3	1.2	13.2	86	5.4	0	7	4	13	7	0	0	0	0	1	0	0	2	9	12	7	0	1	11	16	3	3	0	11	5	2	0	6	1
PRESTWICK	21	3	1015.2	-	10.9	0.8	12.0	90	4.7	1	10	4	8	8	0	0	0	0	0	0	0	2	15	12	2	0	0	4	25	2	1	4	8	9	4	2	0	1
		9	1015.2	+ 3.3	15.0	2.2	13.1	77	5.3	0	7	4	13	7	0	0	0	0	0	0	0	7	5	17	2	0	1	10	19	1	0	7	7	3	4	6	2	1
		15	1014.6	-	17.2	3.5	13.0	67	5.7	0	3	10	10	8	0	0	0	0	0	0	0	3	7	13	8	0	0	13	18	0	1	3	3	4	1	2	11	6
		21	1015.1	-	13.6	1.3	13.3	85	5.6	0	6	4	14	7	0	0	0	0	0	0	0	3	13	12	3	0	0	6	20	5	0	4	7	5	2	4	2	2
RHUVAAL	19	3	1014.7	-	13.0	1.4	12.7	84	4.5	6	8	1	4	12	0	0	0	0	0	0	0	1	3	10	17	0	4	10	13	4	3	1	7	3	10	0	2	1
		9	1014.9	-	14.0	1.6	13.2	82	5.5	1	3	8	7	12	0	0	0	0	0	0	0	2	4	13	12	0	1	11	17	2	3	5	4	5	8	2	2	0
		15	1014.8	-	15.8	2.5	13.3	74	5.3	0	5	7	12	7	0	0	0	0	0	0	0	0	5	12	14	0	0	7	20	3	6	0	3	3	5	1	4	6
		21	1014.8	-	13.7	1.6	12.9	82	5.3	2	4	7	8	10	0	0	0	0	0	0	0	0	2	15	14	0	0	6	16	9	1	1	4	1	9	2	2	2

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

AUGUST 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT									VISIBILITY						WIND SPEED AND DIRECTION								
									OKTAS															BEAUFORT FORCE								
																								8 OR MORE	6-7	4-5	1-3	CALM				
																								SPEED (KT)								
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																										
6 SCOTLAND W-CONTD. STRATHCLYDE -CONTD.																																	
SLOY	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	14.4	2.1	12.8	78	5.3	2	6	4	7	12	0	0	0	0	0	0	1	4	26	0	0	0	2	25	4	1	3	0	8	4	2	4	5
		15	-	-	17.5	3.7	13.0	66	5.6	0	4	7	10	10	0	0	0	0	0	0	0	6	23	2	0	0	0	31	0	1	2	0	12	6	1	3	
		21	-	-	13.4	1.6	12.8	83	5.6	0	3	11	9	8	0	0	0	0	0	0	0	4	27	0	0	0	2	25	4	1	0	0	7	3	2	7	7
TIREE	10	3	1014.5	-	12.0	0.7	12.9	91	4.6	2	11	2	5	11	0	0	0	1	1	0	1	2	9	5	12	0	2	16	9	4	3	3	6	8	4	2	1
		9	1014.6	+ 3.4	14.2	1.4	13.8	85	5.5	0	6	6	10	9	0	0	0	0	2	0	1	3	6	6	13	0	4	16	11	0	3	3	0	5	8	4	5	1	3	1	0	0	2
		15	1014.6	-	15.7	2.2	13.8	77	5.0	0	7	7	14	3	0	0	0	0	0	0	1	1	7	4	18	0	3	12	16	0	9	0	1	7	5	6	1	7	5	3	4	1	3
		21	1014.6	-	12.7	1.0	13.2	89	5.5	0	5	5	16	5	0	0	0	0	0	0	1	1	6	10	13	0	3	10	17	1	8	0	6	7	5	3	4	1	3
DUMFRIES & GALLOWAY																																	
ESKDALEMUIR	237	3	1015.9	-	9.2	0.5	11.2	93	5.6	1	7	4	3	16	0	0	0	0	0	0	1	7	11	10	2	0	0	4	16	11	6	6	0	2	2	1	1	2
		9	1015.4	+ 3.3	13.4	2.0	12.3	80	5.6	2	3	7	10	9	0	0	0	0	0	1	2	2	9	11	7	0	0	10	20	1	4	8	4	7	4	3	1	0	2
		15	1014.7	-	16.0	3.2	12.7	71	6.1	0	0	11	12	8	0	0	0	0	0	1	1	2	4	13	10	0	0	15	15	1	3	8	5	0	6	3	2	2
		21	1015.8	-	11.2	1.1	11.8	88	5.3	0	7	6	9	9	0	0	0	0	0	1	0	5	8	12	5	0	0	5	21	5	9	3	2	1	7	0	2	2
2 ENGLAND E & NE NORTHUMBERLAND																																	
BOULMER	27	3	1015.3	-	11.3	0.3	13.0	96	5.0	1	9	3	9	9	0	0	0	1	0	0	1	3	9	7	10	0	0	4	23	4	2	5	3	3	0	4	6	3	2	4
		9	1015.6	-	14.6	1.4	14.2	85	5.6	1	4	7	10	9	0	0	0	0	0	2	1	5	9	8	6	0	0	10	21	0	7	6	3	5	3	2	3	0
		15	1015.3	-	15.5	1.6	14.7	84	5.6	0	6	5	10	10	0	0	0	0	0	4	3	5	11	8	8	0	0	1	9	19	2	8	6	6	4	2	3	0	2
		21	1015.5	-	12.5	0.5	13.7	94	5.2	0	8	7	7	9	0	0	0	1	0	0	2	6	8	9	5	0	1	4	25	1	6	3	3	3	6	6	2	1
SEAHOUSES	12	3	1015.2	-	-	-	-	-	4.7	0	11	5	8	6	1	0	0	0	1	0	0	1	4	18	1	0	1	4	24	2	6	5	2	1	3	6	2	4	2
		9	1015.4	-	-	-	-	-	5.3	1	4	10	10	6	0	0	0	0	0	0	2	9	8	9	3	0	1	6	23	1	6	5	6	7	2	6	2	3	1
		15	1015.1	-	-	-	-	-	5.5	0	4	10	10	6	1	0	0	0	1	2	2	8	5	15	1	0	0	10	21	0	6	5	7	2	6	2	2	1
		21	1015.2	-	-	-	-	-	5.6	0	4	8	11	7	1	0	0	0	1	0	2	2	8	5	6	14	0	0	1	8	22	0	8	2	5	1	11	3	1	0
TYNE & WEAR																																	
NEWCASTLE WEATHER CENTRE (X)	72	3	1015.5	-	12.4	1.0	12.8	88	5.2	2	5	6	11	7	0	0	0	0	0	0	6	8	9	6	2	0	0	1	25	5	4	5	3	0	5	3	6	0
		9	1015.7	-	14.6	2.0	13.1	78	5.7	1	4	5	13	8	0	0	0	0	1	0	2	10	7	9	2	0	0	6	23	2	3	5	6	2	6	3	2	2
		15	1015.2	-	16.8	3.3	12.9	68	5.3	1	4	8	10	8	0	0	0	0	0	0	0	6	11	8	6	0	0	12	17	2	1	11	7	2	2	1	5	0
		21	1015.7	-	14.1	1.6	13.4	83	5.4	0	7	6	8	10	0	0	0	1	0	0	3	5	15	5	2	0	0	1	29	1	8	3	5	2	3	3	5	2
TYNEMOUTH	40	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1015.9	+ 3.4	14.6	1.2	14.5	87	5.8	0	4	9	8	9	1	0	0	0	0	1	0	1	4	20	5	0	0	3	11	15	2	7	6	3	2	7	1	3	0
		15	1015.7	-	15.9	1.6	15.0	83	5.5	1	2	12	4	12	0	0	0	0	0	1	3	3	15	9	0	0	3	14	14	0	3	8	7	5	2	1	4	1
		21	1015.9	-	14.4	1.0	14.6	89	5.6	0	4	9	8	10	0	0	0	0	0	1	0	4	16	10	0	0	1	13	15	2	7	3	5	2	5	2	5	0
NORTH YORKSHIRE																																	
LEEMING	33	3	1015.5	-	11.6	0.6	12.7	92	5.3	2	6	3	12	8	0	0	0	0	0	1	3	9	7	6	5	0	0	4	25	2	9	4	2	4	4	3	0	3
		9	1015.5	+ 2.6	15.0	2.1	13.3	78	6.2	1	1	7	11	11	0	0	0	0	0	0	1	5	9	8	4	0	0	0	22	0	11	4	1	6	3	2	1	3
		15	1014.8	-	17.9	3.7	13.3	66	5.8	0	4	9	8	10	0	0	0	0	0	1	1	5	9	8	8	0	0	0	15	16	0	9	8	3	2	4	3	2	3
		21	1015.7	-	13.9	1.5	13.2	83	5.2	0	7	6	11	7	0	0	0	0	1	0	1	6	9	8	7	0	0	0	4	27	0	9	4	0	3	6	2	4	3
WHITBY C.G.	66	3	1015.3	-	12.7	0.9	13.3	90	5.6	1	5	6	6	11	2	0	0	0	2	0	1	1	9	12	6	0	2	9	19	1	6	5	3	1	8	5	1	1
		9	1015.4	-	14.4	1.2	14.2	86	6.2	0	3	6	12	9	1	0	1	0	1	1	1	5	9	10	3	0	2	13	11	5	3	8	1	4	4	0	1	5
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1015.5	-	13.8	1.0	14.1	89	5.9	1	2	8	8	11	1	0	0	0	1	0	3	3	4	13	7	0	1	11	16	3	1	6	4	1	9	4	1	2
HUMBERSIDE																																	
SPURN POINT	20	3	1015.0	-	13.8	0.9	14.1	89	5.0	5	6	2	5	13	0	0	0	0	0	0	0	4	16	11	0	0	2	14	13	2	5	6	3	2	4	3	1	5
		9	1015.2	-	15.0	1.3	14.7	86	6.5	1	2	2	17	9	0	0	1	0	0	0	2	8	16	4	0	0	2	14	12	3	9	5	4	1	4	3	2	0
		15	1015.1	-	16.5	2.1	14.8	79	5.7	0	6	4	9	12	0	0	1	0	0	1	3	1	18	7	0	0	0	19	11	1	9	7	5	3	2	4	0	0
		21	1015.3	-	14.5	1.2	14.5	87	5.5	0	7	5	8	10	1	0	1	0	0	1	0	1	19	9	0	0	1	15	15	0	7	9	5	2	6	0	2	0
LINCOLNSHIRE																																	
BINBROOK	112	3	1014.9	-	11.8	0.5	13.1	94	5.8	1	6	4	5	15	0	0	0	1	0	2	2	4	3	6	9	8	0	0	0	10	19	2	7	5	3	0	2	7	2	3
		9	1014.8	-	14.6	1.4	14.2	85	6.6	0	2	4	13	12	0	0	0	0	0	0	0	4	6	14	7	0	0	3	13	15	0	8	6	4	1	4	3	2	3
		15	1014.5	-	16.3	2.5	14.0	76	6.3	0	3	6	10	12	0	0	0	1	0	0	0	3	3	10	12	2	0	0	3	14	14	0	7	10	6	1	1	5	1	3
		21	1015.0	-	13.2	0.9	13.7	90	5.5	0	9	1	9	12	0	0	0	0	2	1	1	8	8	11	0	0	0	0	11	18	2	6	5	7	1	5	3	2	0
WADDINGTON	70	3	1014.8	-	12.0	0.5	13.2	94	5.5	4	2	7	5	13	0	0	0	1	1	0	2	4	10	8	5	0	0	0	6	25	0	4	7	2	2	2	4	2	8
		9	1014.8	+ 1.2	14.9	1.5	14.3	84	5.7	1	5	4	10	11	0	0	0	0	0	1	3	8	9	9	1	0	1	13	17	0	7	3	5	2	2	4	3	5
		15	1014.1	-	17.9	3.5	13.6	68	5.9	0	4	5	13	9	0	0	0	0	0	0	0	3	6	16	3	0	2	13	16	0	6	11	2	3	0	6	1	2
		21	1014.9	-	13.7	1.0	13.9	88	5.1	2	8	2	8	11	0	0	0	0	0	0	5	8	3	15	0	0	0	9	22	0	7	7	7	3	3	2	2	0
3 EAST ANGLIA NORFOLK																																	
COLTISHALL	17	3	1014.3	-	13.0	0.7	14.0	92	5.5	2	4	6	7	11	1	0	1	0	2	2	7	6	6	7	3	0	0	4	22	5	4	8	2	0	3	2	4	3
		9	1014.5	-	16.6	2.2	14.7	78	6.6	1	0	5	14	11	0	0	0	0	0	0	2	8	11	7	3	0	0	0	10	21	0	8	4	5	2	5	4	0	3
		15	1014.1	-	18.0	3.0	14.7	73	6.4	0	2	5	13	11	0	0	0	0	0	0	2	7	9	10	3	0	0	0	14	17	0	6	6	6	0	5	3	1	4
		21	1014.7	-	14.3	1.1	14.4	88	5.7	1	6	3	9	12	0	0	0	0	0	1	4	8	8	10	0	0	0	0	6	24	1	6	7	2	4	5	2	0	4
MARHAM	24	3	1014.4	-	12.5	0.5	13.8	95	5.8	2	5	2	9	12	1	0	0	0	2	1	5	9	5	8	1	0	0	0	5	26	0	7	4	5	3	7	1	0	4
		9	1014.4	+ 0.5	15.8	1.5	15.1	84	6.7	0	1	4	15	11	0	0	0	0	0	2	9	9	11	7	2	0	0	0	11	20	0	8	5	5	1	2	5	2	3
		15	1013.8	-	18.2	3.5	14.0	69	6.2	0	4	3	16	8	0	0	0	0	0	0	2	8	6	9	6	0	0	0	17	14	0	8	7	5	1	0	7	0	3
		21	1014.6	-	14.2	1.1	14.2	88	5.3	0	10	3	5	13	0	0	0	0	0	0	2	9	7	12	1	0	0	5	26	0	5	7	7	6	4	1	0	1
CAMBRIDGESHIRE																																	
WITTERING	76	3	1014.9	-	12.3	0.5	13.5	93	6.0	2	4	2	10	12	1	0	1	1	0	0	7	11	4	7	0	0	0	4	26	1	7	5	2	1	3	3	2	7
		9	1014.9	+ 1.0	15.0	1.6	14.2	83	5.9	0	5	7	8	11	0	0	0	0	0	1	2	11	8	8	1	0	0	9	22	0	8	5	5	1	3	4	1	4
		15	1014.0	-	18.0	3.4	14.1	70	6.0	0	4	6	11	10	0	0	0	0	0	0	0	8	9	8	6	0	0	0	14	17	0	6	8	3	2	1	4	3	4
		21	1014.9	-	14.3	1.3	14.0	86	5.5	0	7	4	9	11	0	0	0	0	0	4	2	7	7	8	3	0	0	0	4	27	0	8	9	3	2	3	1	2	3
WYTON	43	3	1014.5	-	12.3	0.6	13.5	93	5.6	3	4	2	11	11	0	0	0	0	0	0	4	6	9	8	4	0	0	0	7	23	1	10	3	3	0	3	4	1	6
		9	1014.6	-	15.1	1.5	14.5	85	6.4	0	4	4	7	16	0	0	0	0	0	1	1	1	14	9	5	0	0	0	13	17	1	9	3	5	2	3	4	1	3
		15	1013.7	-	18.5	3.5	14.5	69	6.1	0	4	5	13	9	0	0	0	0	0	0	1	1	8	7	8	6	0	0	0	14	17	0	6	10	2	1	1	8	0	3
		21	1014.5	-	14.7	1.3	14.4	86	5.9	0	4	5	13	9	0	0	0	0	0	5	10	4	11	1	0	0	0	7	22	2	7	8	3	1	3	5	0	2
SUFFOLK																																	
ALDEBURGH	9	9	1014.8	-	-	-	-	-	6.1	2	0	6	12	11	0	0	0	0	0	1	7	7	16	0	0	0	3	9	16	3	4	6	3	1	5	5	1	3
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1015.0	-	-	-	-	-	5.1	6	0	8	4	13	0	0	1	0	0	0	1	9	20	0	0	0	3	10	17	1	7	8	1	0	7	2	4	1
HONINGTON	51	3	1014.3	-	12.6	0.6	13.7	93	5.7	1	4	8	5	13	0	0	2	0	3	1	6	6	7	6	0	0	0	3	26	2	6	6	3	2	1	6	4	2	5
		9	1014.3	-	15.6	1.7	14.7	83	6.3	1	1	6	11	12	0	0	0	0	0	0	5	11	6	6	3	0	0	0	12	19	0	6	5	3	0	5	4	2	6
		15	1013.6	-	18.5	3.9	13.6	66	6.1	0	2	6	16	7	0	0	0	0	0	1	6	11	7	6	0	0	0	0	11	20	0	8	6	2	1	6	4	2	5
		21	1014.5	-	14.2	1.3	14.0	86	5.5	1	7	4	6	13	0	0	0	0	0	0	8	7	3	13	0	0	0	6	25	0	7	8	4	5	4	2	1	0
WATTISHAM	91	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1014.3	-	15.9	1.4	15.5	86	6.0	1	3	5	14	8	0	0	0	0	0	1	1	9	15	3	2	0	0	16	15	0	9	6	2	0	7	3	1	3
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BEDFORDSHIRE																																	
CARDINGTON	30	3	1014.8	-	12.1	0.2	13.9	98	5.9	3	3	2	9	14	0	0	1	0	2	0	2	13	12	1	0	0	0	5	21	5	4	4	6	1	3	4	1	3
		9	1015.0	+ 0.7	15.4	1.4	14.9	85	6.3	0	5	2	10	14	0	0	0	0	0	1	1	7	17	9	3	0	0	0	9	21	1	5	4	4	8	1	2	4	2	4
		15	1014.0	-	18.7	3.6	14.3	68	6.5	0	1	5	15	10	0	0	0	0	0	0	4	3	15	9	0	0	0	0	10	21	0	4	2	11	0	1	2	4	6	4
		21	1014.8	-	14.2	0.9	14.7	91	5.7	1	5	4	10	11	0	0	0	0	0	0	2	8	16	5	0	0	0	5	25	1	3	7	8	1	4	4	3	0

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

AUGUST 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: DEPRESSION OF WET BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: VAPOUR PRESSURE (MB)	MEAN TEMPERATURE AND HUMIDITY: RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	CLOUD AMOUNT OKTAS: NUMBER OF OBSERVATIONS 0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: NUMBER OF OBSERVATIONS 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	W	NW	N	NE	E	SE	S	SW
3 EAST ANGLIA -CONTD.																																										
ESSEX																																										
SHOEBURYNESS	5	9	1014.4	- 0.3	16.4	1.7	15.4	83	6.3	0	5	3	12	11	0	0	0	0	0	0	2	1	10	6	12	0	0	1	9	21	0	7	3	4	2	3	5	2	5
		15	1013.8	-	18.5	2.9	15.4	73	5.3	0	6	7	10	8	0	0	0	0	0	0	0	1	8	8	9	5	0	0	10	21	0	2	3	10	2	2	6	3	3
		21	1014.3	-	15.7	1.3	15.5	87	5.7	0	7	2	11	11	0	0	0	0	0	0	1	3	5	9	9	4	0	0	11	20	0	6	2	8	2	4	6	0	3
STANSTED	102	3	1014.4	-	12.3	0.4	13.7	95	5.6	2	4	5	7	13	0	0	0	0	0	1	6	7	12	1	4	0	0	0	2	22	7	7	7	1	2	2	4	0	1
		9	1014.5	+ 0.1	15.3	1.5	14.7	85	6.0	2	2	6	7	14	0	0	0	0	0	0	2	2	9	10	6	0	0	0	9	22	1	9	5	2	1	2	4	0	2
		15	1013.7	-	18.1	3.4	14.1	70	6.1	0	3	6	14	8	0	0	0	0	0	0	2	3	9	8	10	3	0	0	8	22	1	5	3	4	0	2	4	0	4
		21	1014.4	-	14.4	1.1	14.4	88	5.3	1	8	4	7	11	0	0	0	0	0	0	2	5	8	7	9	0	0	0	4	24	1	5	3	8	3	4	2	2	1
4 MIDLAND COUNTIES																																										
WEST YORKSHIRE																																										
HUDDERSFIELD	235	3	1015.1	-	11.0	0.8	11.9	89	6.9	3	0	2	2	23	1	0	1	0	1	1	6	9	11	2	0	0	1	5	23	2	1	11	5	0	3	3	5	1	0
OAKES		9	1015.2	-	14.2	1.5	13.6	84	6.5	0	1	6	10	14	0	0	0	0	0	0	2	0	17	5	5	1	0	1	7	20	2	2	8	6	2	3	5	0	1
		15	1014.7	-	17.4	3.3	13.6	69	6.6	0	1	4	16	10	0	0	0	0	0	0	2	5	9	15	0	0	2	12	17	0	3	8	4	3	4	5	3	0	1
		21	1015.2	-	13.2	1.2	13.1	87	6.1	3	2	3	10	13	0	0	0	0	0	0	1	9	7	12	2	1	1	7	19	3	8	4	3	4	5	3	0	1	1
WILSDEN	267	3	1015.5	-	11.1	0.6	12.3	93	5.7	2	6	4	3	15	1	0	0	0	0	1	0	2	12	16	0	0	0	0	7	19	5	4	6	5	2	0	5	3	1
		9	1015.4	-	13.4	1.4	13.0	85	6.1	1	4	3	10	13	0	0	0	0	0	0	3	1	10	15	2	0	0	1	9	21	0	5	5	7	2	2	4	5	2
		15	1014.5	-	16.4	3.3	12.5	68	6.1	0	3	6	10	12	0	0	0	0	0	0	0	1	8	13	9	0	0	1	12	16	2	4	4	8	2	2	3	5	1
		21	1015.5	-	12.8	1.3	12.6	84	5.9	0	5	5	8	13	0	0	0	1	0	1	0	9	19	1	0	0	0	7	21	3	1	7	5	5	1	3	6	1	0
SOUTH YORKSHIRE																																										
FINNINGLEY	15	3	1014.9	-	12.2	0.6	13.3	93	6.2	2	1	6	7	15	0	0	1	0	1	0	4	8	11	6	0	0	0	6	24	1	7	4	2	2	4	3	5	4	5
		9	1014.9	+ 1.5	15.7	2.0	14.1	79	6.0	0	4	6	12	9	0	0	0	0	0	0	1	0	10	6	13	1	0	0	11	20	0	8	5	4	2	5	1	4	0
		15	1014.2	-	18.6	4.1	13.4	64	6.1	0	2	7	15	7	0	0	0	0	0	0	0	2	7	17	5	0	0	0	15	16	0	9	7	4	3	4	3	1	3
		21	1015.1	-	14.3	1.4	13.8	84	5.8	1	5	4	11	10	0	0	0	0	0	0	0	1	5	10	11	4	0	0	1	30	0	7	6	4	3	4	3	1	3
NOTTINGHAMSHIRE																																										
WATNALL	119	3	1015.1	-	12.1	0.5	13.3	93	5.9	4	2	2	6	17	0	0	0	0	0	1	4	13	11	2	0	0	0	4	27	0	7	9	1	0	4	3	4	3	1
		9	1015.1	+ 1.6	15.0	1.6	14.2	83	5.9	0	7	2	8	14	0	0	0	0	0	1	2	12	11	4	1	0	0	12	19	0	9	4	4	1	3	6	3	1	1
		15	1014.2	-	18.3	3.7	13.7	66	6.2	0	2	6	14	9	0	0	0	0	0	0	2	5	7	13	4	0	0	0	16	15	0	4	9	5	1	1	6	2	1
		21	1015.1	-	14.2	1.3	13.9	85	5.7	0	7	3	11	10	0	0	0	0	0	0	3	11	11	6	0	0	0	0	5	26	0	6	9	4	1	3	3	4	1
SALOP																																										
SHAWBURY	76	3	1014.7	-	11.7	0.6	12.8	92	5.7	2	5	2	9	13	0	0	0	0	1	1	5	8	7	9	0	0	0	1	28	2	8	2	4	3	4	6	0	2	2
		9	1014.9	+ 1.2	15.2	1.8	14.0	81	5.8	2	5	1	15	8	0	0	0	0	0	1	1	12	11	6	0	0	0	8	23	0	9	3	3	4	5	3	1	2	3
		15	1013.9	-	18.5	3.4	14.5	69	6.2	0	2	7	11	11	0	0	0	0	0	1	6	8	12	4	0	0	1	10	20	0	5	5	3	4	7	3	1	3	0
		21	1014.8	-	14.3	1.5	13.6	83	5.7	1	3	5	13	9	0	0	0	1	0	2	9	9	8	2	0	0	0	3	28	0	12	6	4	3	1	5	0	0	
WEST MIDLANDS																																										
EDGBASTON	165	9	1015.1	+ 0.9	14.2	1.6	13.3	82	6.3	0	4	4	9	14	0	0	0	0	0	0	2	2	17	10	2	0	0	0	6	22	3	4	7	3	1	4	3	2	4	1
		15	1014.0	-	17.5	3.8	12.7	65	6.4	0	2	7	13	9	0	0	0	0	0	0	2	2	8	11	9	1	0	0	8	22	1	6	4	6	1	3	3	1	0
		21	1014.9	-	15.2	2.4	12.9	75	5.6	1	5	5	11	9	0	0	0	0	0	0	1	1	11	14	5	0	0	0	2	24	5	6	5	5	1	3	5	1	0
ELMDON	100	3	1015.0	-	11.8	0.6	12.9	93	5.6	2	7	1	6	15	0	0	0	0	2	0	1	6	8	11	4	0	0	0	5	24	2	1	6	6	1	2	8	0	0	6	4
		9	1015.0	+ 1.0	14.8	1.6	13.9	83	6.2	0	5	3	9	14	0	0	0	0	0	0	1	1	13	15	2	0	0	0	8	22	1	8	4	5	2	5	2	0	4	4
		15	1014.0	-	18.0	5.8	13.2	66	6.0	0	2	8	13	8	0	0	0	0	0	0	1	6	11	13	0	0	0	0	11	20	3	0	5	4	6	2	5	3	2	4	1
		21	1014.9	-	14.3	1.7	13.3	82	5.6	0	4	8	10	9	0	0	0	0	0	0	1	7	17	6	0	0	0	0	4	24	3	7	7	3	4	2	3	1	1	
HEREFORD & WORCESTER																																										
PERSHORE					REPORTS TERMINATED																																						
GLOUCESTER																																										
INNSWORTH	24	3	1014.6	-	12.6	0.7	13.6	92	5.0	4	6	2	8	11	0	0	0	0	0	1	1	5	9	8	7	1	0	0	3	20	8	6	4	0	1	7	2	0	3
		9	1014.9	-	15.0	1.3	14.6	86	5.8	2	4	4	10	11	0	0	0	0	0	0	2	1	11	13	4	0	0	0	5	26	0	10	6	7	2	1	4	1	3	2
		15	1013.9	-	18.9	3.5	14.7	69	6.0	0	1	10	11	9	0	0	0	0	0	0	0	4	18	6	3	0	0	0	10	20	1	8	7	4	1	4	1	3	2
		21	1014.5	-	15.3	1.6	14.4	83	5.6	1	5	5	12	8	0	0	0	0	0	0	1	10	10	5	5	0	0	0	2	24	5	4	5	4	2	8	1	1	1
OXFORDSHIRE																																										
BENSON	74	3	1014.6	-	12.7	0.6	13.7	93	5.4	6	3	1	6	15	0	0	0	0	0	0	2	8	8	5	8	0	0	0	4	19	8	5	5	2	3	5	0	1	2
		9	1014.8	-	15.1	1.5	14.4	84	6.3	0	4	2	15	10	0	0	0	0	0	0	1	3	12	8	6	1	0	0	7	20	4	9	5	1	2	3	5	2	1	3
		15	1013.9	-	18.7	3.5	14.5	69	6.5	0	2	5	14	10	0	0	0	0	0	0	3	3	11	8	6	0	0	0	8	22	1	7	5	2	2	3	5	2	1	3
		21	1014.5	-	15.1	1.4	14.7	85	5.7	0	6	3	15	7	0	0	0	0	0	0	0	3	6	11	9	2	0	0	5	20	6	8	4	6	0	3	2	2	0	
BRIZE NORTON	92	3	1014.6	-	12.5	0.7	13.3	91	5.6	7	1	1	5	16	1	0	0	1	0	0	1	2	3	16	5	6	0	0	0	6	24	1	8	5	5	0	3	3	5	1	2
		9	1014.6	-	15.1	1.8	14.0	82	5.9	1	4	5	8	13	0	0	0	0	0	0	0	3	8	11	7	2	0	1	10	20	0	6	5	8	2	1	6	1	2	3
		15	1013.7	-	18.1	3.8	13.4	67	6.1	0	1	11	9	10	0	0	0	0	0	0	2	5	10	9	5	0	0	0	12	19	0	6	6	5	1	2	5	4	4	3
		21	1014.5	-	14.8	1.6	14.0	83	5.4	2	5	6	8	10	0	0	0	0	0	0	1	10	8	9	3	0	0	6	24	1	5	10	2	0	2	4	4	3	
5 ENGLAND SE & CENT. S.																																										
GREATER LONDON																																										
HEATHROW	26	3	1014.5	-	13.8	0.8	14.4	91	5.7	2	5	4	9	11	0	0	0	1	0	0	3	3	19	7	1	0	0	0	2	29	0	7	4	2	1	5	2	4	6
		9	1014.7	+ 0.1	16.1	1.9	14.7	80	5.6	0	8	2	10	11	0	0	0	0	2	0	1	1	10	14	3	0	0	0	4	27	0	8	2	5	1	3	4	4	6
		15	1013.9	-	19.1	3.9	14.2	66	6.3	0	1	7	16	7	0	0	0	0	0	0	2	5	11	9	4	0	0	0	8	23	0	8	2	2	1	6	4	4	2
		21	1014.4	-	16.6	2.0	15.0	80	5.6	0	7	4	10	10	0	0	0	0	0	0	0	5	9	11	6	0	0	0	4	24	3	8	5	1	0	8	2	2	2
KEW	10	3	1014.8	-	13.1	1.0	13.4	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1015.0	+ 0.3	16.0	2.4	14.0	77	5.7	1	5	5	9	11	0	0	0	0	1	0	1	0	2	10	11	7	0	0	0	3	26	2	8	3	5	1	4	4	2	2
		15	1014.2	-	18.8	4.4	13.6	64	6.4	0	2	5	15	9	0	0	0	0	0	0	1	2	10	10	4	0	0	0	6	24	1	8	1	3	4	1	6	6	1	2
		21	1014.7	-	15.3	1.9	14.2	82	5.5	0	5	7	11	8	0	0	0	0	0	1	2	7	11	9	1	0	0	0	5	18	8	2	5	4	1	8	1	0	2
LONDON	24	3	1014.2	-	14.5	1.3	14.2	86	5.7	2	6	1	7	15	0	0	0	0	0	1	1	1	3	11	9	7	0	0	0	8	22	1	5	10	1	1	1	8	2	2
WEATHER CENTRE (X)		9	1014.4	-	16.2	2.2	14.2	77	5.8	2	4	3	10	12	0	0	0	0	0	1	1	1	12	11	6	0	0	0	11	18	2	5	7	2	2	4	4	2	3
		15	1013.6	-	19.0	4.1	13.8	64	6.4	0	1	7	12	11	0	0	0	0	0	0	1	0	8	11	9	3	0	0	1	9	21	0	5	4	3	1	4	3	3	3
		21	1014.2	-	16.9	2.4	14.6	76	5.3	4	4	3	10	10	0	0	0	0	0	0	1	1	8	12	10	0	0	0	8	21	2	6	6	3	2	2	6	1	3	
WILTSHIRE																																										
BOSCOMBE DOWN	128	3	1014.4	-	12.0	0.5	13.1	93	4.9	4	6	5	5	10	1	0	1	0	0	0	0	4	16	5	4	1	0	0	3	25	3	4	3	3	2	2	3	2	4	8
		9	1014.5	- 0.6	15.1	1.7	14.1	82	5.7	0	4	8	9	10	0	0	0	0	0	0	0	3	12	9	3	4	0	0	6	25	0	6	4	6	2	2	4	5	6	5
		15	1013.7	-	18.6	3.6	14.2	68	6.2	0	0	10	14	7	0	0	0	0	0	0	0	0	4	10	12	5	0	0	0	10	21	0	7	3	4	3	4	3	6	4
		21	1014.5	-	14.4	1.3	14.2	86	5.2	1	9	1	12	8	0	0	0	0	0	0	2	0	9	9	8	3	0	0	5	25	1	4	3	2	1	3	5	3	6	
LYNEHAM	149	3	1014.7	-	12.1	0.6	13.1	92	4.9	5	7	0	6	13	0	0	0	0	1	0	4	4	11	6	4	1	0	0	3	26	2	11	5	2	0	2	3	1	1	2
		9	1014.8	+ 0.1	14.6	1.4	14.1	85	5.6	0	8	3	8	12	0	0	0	0	0	0	2	2	14	6	6	1	0	0	9	22	0	10	4	4	2	1	6	3	1	5
		15	1013.8	-	18.3	3.4	14.2	69	6.0	0	2	8	13	8	0	0	0	0	0	0	0	2	7	9	7	6	0	0	12	19	0	5	7	3	2	3	6	3	3	
		21	1014.6	-	14.6	1.6	13.7	82	5.6	2	5	4	9	11	0	0	0	0	0	0	0	1	12	8	7	3	0	0	7	23	1	4	6	2	2	4	6	3		
UPAVON	183	9	1014.6	-	14.9	1.5	14.2	84	5.8	0	7	3	10	11	0	0	0	0	0	0	1	6	9	7	8	1	0	0	7	21	3	7	3	4	4	3	2	4	5	3
		15	1013.8	-	18.3	3.2	14.6	71	6.4	0	0	8	13	10	0	0	0	0	0	1	0	1	6	7	10	7	0	0	1	21	4	8	5	2	0	3	4	2	4	3
		21	1014.6	-	14.3	1.1	14.2	88	5.5	1	6	4	11	9	0	0	0	0	0	0	1	0	1	8	14	8	0	0	0	5	22	4	8	5	2	3	4	3	3	

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

AUGUST 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT							VISIBILITY								WIND SPEED AND DIRECTION									
									OKTAS															BEAUFORT FORCE									
																								8 OR MORE	6-7	4-5	1-3	CALM					
																								SPEED (KT)									
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																											
5 ENGLAND SE & CENT. S.			-CONTD.																															
KENT																																		
DUNGENESS	7	3	1014.1	-	-	-	-	-	4.2	4	10	5	1	10	1	0	0	1	1	0	2	8	3	16	0	0	0	7	22	2	9	0	2	0	4	6	5	5
		9	1014.6	-	16.5	1.5	15.9	84	5.4	0	4	11	10	5	1	0	0	0	2	1	0	6	10	12	0	0	1	11	16	3	6	3	0	1	7	8	4	2
		15	1014.1	-	-	-	-	-	5.5	0	4	7	14	6	0	0	0	0	0	0	0	6	11	13	1	0	1	15	15	0	2	8	1	0	4	11	3	0
		21	1014.4	-	-	-	-	-	5.0	2	5	8	8	8	0	0	0	0	0	0	0	4	12	14	1	0	1	9	19	2	2	6	4	1	3	3	7	3
MANSTON	45	3	1014.1	-	13.6	0.6	14.5	93	5.1	2	6	6	9	8	0	0	0	0	1	1	6	6	7	9	1	0	0	7	24	0	8	3	2	0	7	5	4	2
		9	1014.4	-	16.3	1.6	15.4	83	6.0	0	3	6	13	9	0	0	0	0	0	1	1	12	8	8	1	0	1	13	17	0	9	4	2	2	5	4	1	3
		15	1013.9	-	18.6	3.1	15.2	71	5.1	0	8	5	14	4	0	0	0	0	0	1	1	11	5	9	5	0	3	8	20	0	4	8	1	4	0	9	2	2
		21	1014.4	-	14.9	1.0	15.2	89	5.7	0	7	3	10	11	0	0	0	0	1	1	2	11	7	8	1	0	1	7	22	1	7	3	5	2	4	7	0	2
HAMPSHIRE																																				
SOUTHAMPTON WEATHER CENTRE (X)	9	3	1014.5	-	13.9	1.0	14.2	89	4.5	9	2	3	10	6	1	0	1	0	0	0	4	7	12	6	1	0	0	1	26	4	6	3	0	0	4	3	5	6
		9	1014.8	-	16.2	2.0	14.6	80	5.5	0	8	2	10	11	0	0	0	0	0	0	2	13	11	5	0	0	0	1	29	1	8	5	0	1	5	5	1	5
		15	1014.2	-	19.2	3.7	14.8	68	6.0	0	3	7	13	8	0	0	0	0	0	0	0	3	15	12	1	0	0	3	27	1	6	1	0	4	6	7	1	5
		21	1014.6	-	16.1	1.7	15.0	82	4.9	1	8	5	13	4	0	0	0	0	0	0	0	7	15	9	0	0	0	0	31	0	4	4	0	2	4	6	9	2
WEST SUSSEX																																				
GATWICK	60	3	1014.6	-	12.6	0.4	14.0	95	5.4	3	4	6	5	11	2	0	2	1	3	1	9	8	5	2	0	0	0	2	18	11	5	3	2	0	4	2	1	3
		9	1014.8	- 0.1	15.9	1.8	14.8	81	6.2	1	3	3	12	12	0	0	0	0	0	1	1	13	11	2	0	0	0	5	25	1	4	3	5	2	4	5	2	6
		15	1014.1	-	18.7	3.7	14.3	68	5.8	0	2	8	15	6	0	0	0	0	0	2	1	6	14	3	5	0	0	0	8	23	0	7	3	1	2	5	5	3	3
		21	1014.6	-	14.7	1.1	14.8	89	5.5	0	5	8	12	6	0	0	0	0	0	2	2	14	8	5	0	0	0	4	21	6	2	2	1	0	7	9	1	3
EAST SUSSEX																																				
HERSTMONCEUX	28	3	1014.8	-	12.5	0.3	14.1	97	5.1	2	6	5	10	8	0	0	2	0	3	2	6	10	5	3	0	0	0	1	18	12	6	3	0	0	4	2	2	2
		9	1015.2	-	16.2	1.4	15.7	85	5.5	0	7	3	14	7	0	0	0	0	0	1	1	6	9	13	1	0	0	8	22	1	5	3	1	3	5	4	5	4
		15	1014.7	-	18.1	2.4	16.0	77	5.6	0	4	7	14	6	0	0	0	0	0	0	2	6	9	8	6	0	0	0	9	21	1	5	1	1	6	3	8	4
		21	1015.0	-	14.2	0.6	15.2	94	4.8	0	10	5	7	9	0	0	0	0	1	0	3	7	12	8	0	0	0	3	17	11	5	5	0	1	4	4	1	0
7A ENGLAND NW & I.O.M.																																				
CUMBRIA																																				
CARLISLE	28	3	1015.1	-	11.2	0.6	12.6	93	5.2	0	7	7	10	7	0	0	0	0	0	0	1	5	14	10	1	0	0	3	26	2	3	5	11	3	3	1	2	1
		9	1015.2	+ 2.7	15.1	1.9	13.7	80	5.5	0	5	7	14	5	0	0	0	0	0	0	0	3	9	16	3	0	0	8	22	1	3	2	12	5	2	4	0	2
		15	1014.4	-	18.5	3.8	13.8	65	5.5	0	3	11	12	5	0	0	0	0	0	0	1	1	8	9	12	0	0	0	12	19	0	1	3	10	2	1	4	8	2
		21	1015.1	-	13.7	1.4	13.3	85	5.1	0	6	9	9	7	0	0	0	0	0	0	0	4	8	15	4	0	0	2	28	1	0	7	10	3	2	4	4	0
LANCASHIRE																																				
SQUIRES GATE	11	3	1014.9	-	12.2	0.6	13.4	93	5.7	2	4	2	13	10	0	0	0	0	0	0	3	7	11	9	1	0	0	6	23	2	3	3	13	4	2	0	4	0
		9	1015.1	+ 2.0	16.1	2.1	14.3	78	5.5	1	3	10	11	6	0	0	0	0	0	0	0	4	11	14	2	0	0	13	17	1	2	1	10	4	5	3	1	4
		15	1014.4	-	18.4	3.4	14.4	68	5.5	0	6	6	13	6	0	0	0	0	0	0	1	1	7	15	7	0	0	15	16	0	2	3	7	3	2	2	7	5
		21	1015.1	-	14.6	1.4	14.1	84	5.4	1	4	8	12	6	0	0	0	0	0	0	1	4	9	16	1	0	0	7	23	1	3	5	10	2	1	4	3	2
MERSEYSIDE																																				
SPEKE	24	3	1014.8	-	12.9	0.8	13.6	91	5.8	3	2	4	13	9	0	0	0	0	0	0	1	10	7	12	1	0	0	2	23	6	4	3	5	4	5	1	1	2
		9	1015.0	+ 1.7	15.7	2.0	14.1	79	5.4	1	6	4	13	7	0	0	0	0	0	1	1	10	10	7	3	0	0	9	21	1	1	6	4	4	8	2	1	4
		15	1014.1	-	18.7	3.8	13.9	65	5.7	0	4	6	16	5	0	0	0	0	0	0	1	3	11	10	6	0	0	8	22	1	2	5	4	3	6	3	2	5
		21	1014.9	-	14.7	1.7	13.7	82	5.2	1	6	5	14	5	0	0	0	0	0	0	1	6	9	12	3	0	0	3	28	0	5	5	6	3	3	3	2	4
GREATER MANCHESTER																																				
MANCHESTER WEATHER CENTRE (X)	42	3	1015.3	-	13.6	1.5	13.0	83	5.5	3	1	8	12	7	0	0	0	0	0	0	1	11	13	6	0	0	0	3	24	4	7	6	4	1	7	0	1	1
		9	1015.5	-	15.5	2.6	12.9	73	6.1	0	3	5	15	8	0	0	0	0	0	0	0	9	16	6	0	0	0	7	24	0	2	8	6	2	7	0	3	3
		15	1014.6	-	18.6	4.6	12.4	58	5.9	0	3	7	16	5	0	0	0	0	0	0	0	3	13	13	2	0	0	8	22	1	4	9	3	1	4	3	3	3
		21	1015.3	-	15.9	2.7	13.0	72	5.0	0	9	5	13	4	0	0	0	0	0	0	0	5	18	7	1	0	0	3	27	1	8	7	4	1	5	1	3	1
RINGWAY	84	3	1014.9	-	12.8	1.0	13.1	88	5.3	2	5	6	8	10	0	0	0	0	0	2	1	9	5	14	0	0	0	5	24	2	2	4	9	2	8	2	1	1
		9	1015.1	+ 1.8	15.2	2.0	13.6	78	6.0	0	8	5	12	6	0	0	0	0	0	0	2	9	9	11	0	0	0	11	19	1	3	5	8	2	6	2	1	3
		15	1014.2	-	18.5	4.2	12.9	61	5.3	0	8	5	12	6	0	0	0	0	0	0	0	3	13	11	4	0	0	11	19	1	4	3	7	2	6	3	3	3
		21	1015.0	-	15.3	2.2	13.5	77	4.8	2	7	7	10	5	0	0	0	0	0	0	1	7	8	14	1	0	0	7	23	1	6	4	7	3	4	3	2	1
ISLE OF MAN																																				
POINT OF AYRE	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1015.1	+ 2.7	15.4	1.6	14.6	83	5.4	2	2	7	11	9	0	0	0	0	0	0	1	0	7	14	9	0	2	14	13	2	1	8	5	5	1	4	4	1
		15	1014.9	-	17.6	2.8	14.6	73	5.4	0	4	10	8	9	0	0	0	0	0	0	2	6	17	6	0	0	1	12	17	1	1	8	4	4	1	3	6	3
		21	1015.1	-	14.4	1.1	14.4	87	5.9	0	4	5	10	12	0	0	0	0	0	0	0	1	9	9	12	0	0	8	18	5	3	5	6	2	3	5	2	0
RONALDSWAY	21	3	1014.5	-	12.2	0.8	12.9	90	5.4	2	4	7	10	8	0	0	0	0	0	0	2	5	4	10	7	8	0	2	13	15	3	8	8	4	3	1	3	1
		9	1014.7	+ 2.0	15.2	1.8	14.0	81	5.6	0	6	6	12	7	0	0	0	0	0	0	2	5	8	9	7	0	2	17	11	1	0	5	10	3	4	6	1	2
		15	1014.4	-	16.8	2.9	13.6	71	5.4	0	5	7	14	5	0	0	0	0	0	0	1	4	7	11	8	0	3	13	15	0	1	4	10	1	9	3	1	2
		21	1014.6	-	13.9	1.4	13.5	84	5.5	0	7	4	13	7	0	0	0	0	0	0	1	3	9	11	7	0	0	10	18	3	7	5	5	1	3	3	3	1
7B WALES N																																				
GWYNEDD																																				
BARDSEY ISLAND	19	3	1014.5	-	14.1	0.3	15.5	96	4.9	5	4	6	4	12	0	0	0	0	0	0	0	5	20	6	0	0	1	8	15	7	6	4	4	1	3	3	2	1
		9	1014.7	-	15.4	0.6	16.4	93	6.0	0	1	9	12	9	0	0	0	0	0	0	0	7	16	8	0	0	1	9	20	1	9	2	3	4	4	6	0	2
		15	1014.5	-	16.7	1.1	17.0	89	5.5	0	5	7	11	8	0	0	0	0	0	0	0	2	18	11	0	0	0	14	14	3	7	2	3	3	3	4	1	5
		21	1014.6	-	15.0	0.5	16.2	95	6.7	0	1	7	5	18	0	0	0	0	0	0	0	3	20	8	0	0	0	9	18	4	8	2	2	2	4	6	0	3
VALLEY	11	3	1014.5	-	13.6	1.3	13.4	86	5.4	4	2	6	8	11	0	0	0	0	1	0	2	4	14	10	0	0	3	6	17	5	2	6	8	1	5	3	0	1
		9	1014.7	+ 1.5	16.3	2.4	14.1	76	6.0	0	2	7	15	7	0	0	0	0	1	0	1	6	7	11	5	0	0	4	14	13	0	3	9	4	1	5	7	0
		15	1014.5	-	18.1	3.5	13.8	67	5.4	0	5	11	10	5	0	0	0	0	0	0	0	3	9	11	8	0	0	3	14	14	0	3	9	1	0	3	9	5
		21	1014.7	-	15.2	1.7	14.1	81	5.6	0	7	2	17	5	0	0	0	0	0	0	1	3	12	15	0	0	0	3	11	16	1	3	7	7	1	7	4	0
8A WALES S																																				
DYFED																																				
ABERPORTH	134	3	1014.4	-	13.2	0.8	13.8	91	4.6	4	7	3	9	8	0	0	0	0	0	1	0	10	8	9	3	0	0	12	17	2	3	3	5	4	10	3	0	1
		9	1014.5	+ 0.6	15.3	1.8	14.0	81	5.6	0	4	8	16	3	0	0	0	0	0	0	0	7	13	10	1	0	1	8	22	0	6	4	3	3	8	4	0	4
		15	1014.3	-	16.5	2.0	15.0	80	5.4	0	6	6	15	4	0	0	0	0	0	0	0	8	9	12	2	0	0	12	19	0	10	6	2	0	3	0	4	6
		21	1014.7	-	14.4	1.2	14.3	87	5.6	0	4	7	11	9	0	0	0	0	0	0	0	5	13	9	4	0	0	12	18	1	4	7	4	0	8	4	1	2
BRAWDY	116	3	1014.3	-	12.8	0.8	13.5	91	4.9	5	3	7	7	9	0	0	0	0	0	3	1	10	9	8	0	0	0	8	21	2	5	7	4	4	2	5	1	1
		9	1014.4	-	15.1	1.5	14.4	84	6.5	0	0	7	16	8	0	0	0	0	0	0	0	11	10	8	0	0	0	14	17	0	7	3	4	7	3	7	0	0
		15	1014.3	-	17.1	3.0	13.7	71	5.8	0	1	10	15	5	0	0	1	0	0	0	0	4	10	12	4	0	1	17	13	0	10	3	1	0	3	10	2	2
		21	1014.7	-	13.8	1.1	13.9	88	5.5	0	7	4	13	7	0	0	0	0	0	0	2	6	15	8	0	0	1	8	22	0	7	7	2	1	3	6	2	3
BRYNAMMAN	-	9	-	-	15.3	2.1	13.5	78	5.8	0	5	5	14	7	0	0	0	0	0	1	2	9	16	3	0	0	0	1	20	10	1	4	2	4	1	5	4	0
		15	-	-	18.2	3.8	13.5	66	5.7	0	2	10	14	5	0	0	0	0	0	1	0	6	18	6	0	0	0	3	26	2	1	6	2	1	4	9	4	2
		21	-	-	14.4	1.9	13.1	80	5.9	0	7	1	13	10	0	0	0	0	0	0	3	15	6	7	0	0	0	1	12	17	2	4	1	1	1	3	1	1
MILFORD HAVEN C.B.	39	3	1014.3	-	13.8	0.6	14.7	93	4.2	12	1	1	9	8	0	0	0	0	0	0	0	8	13	10	0	0	0	1	4	21	5	6	6	4	2	1	1	1
		9	1014.3	- 0.1	15.7	1.3	15.4	86	5.5	2	2	10	9	8	0	0	0	0	0	0	2	12	10	7	0	0	0	1	11	16	3	7	2	4	7	1	6	0
		15	1014.3	-	18.0	2.6	15.3	75	5.2	1	3	9	13	5	0	0	0	0	0	0	0	11	12	8	0	0	0	0	11	20	0	8	2	2	1	4	9	4
		21	1014.5	-	15.0	1.0	15.2	89	4.8	3	6	6	9	7	0	0	0	0	0	0	0	9	14	8	0	0	0	6	20	5	11	4	1	1	1	4	4	0
WEST GLAMORGAN																																				
MUMBLES HEAD	37	3	1014.7	-	14.7	1.3	14.4	86	4.7	8	4	2	5	12	0	0	0	0	0	0	0	3	16	8	4	0	3	7	19	2	8	9	2	2	2	6	3	1
		9	1014.7	-	16.3	1.8	15.1	81	6.0	0	5	4	9	13	0	0	0	0	0	0	0	2	14	9	4	2	1	5	18	3	5	5	4	1	2	5	3	1
		15	1014.3	-	18.1	2.7	15.4	74	5.5	0	3	11	12	5	0	0	0	0	0	0	2	6	15	8	2	0	5	10	15	1	3	4	1	2	2	8	7	0
		21	1014.7	-	16.2	1.8	15.1	82	5.7	1	5	4	12	9	0	0	0	0	0	0	1	6	11	8	5	0	3	7	16	5	9	2	2	2	3	3	4	1

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

AUGUST 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT							VISIBILITY								WIND SPEED AND DIRECTION									
									OKTAS															BEAUFORT FORCE									
																								8 OR MORE	6-7	4-5	1-3	CALM					
																								SPEED (KT)									
																								34 OR MORE	22-33	11-21	1-10	0					
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 199M	200 - 399M	400 - 999M	1000 - 1999M	2000 - 3999M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER						N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																													
8A WALES S -CONTD.																																		
MID GLAMORGAN																																		
CILFYNYDD	195	3	1014.9	-	11.9	0.8	12.5	90	5.0	7	3	2	4	15	0	0	0	0	0	0	0	15	16	0	0	0	0	5	6	20	1	4	1	0	1	4	0	0
		9	1014.7	-	14.9	2.0	13.4	79	5.5	1	6	5	6	13	0	0	0	0	0	0	1	10	20	0	0	0	0	6	15	10	0	10	2	1	3	2	2	1
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1014.7	-	14.8	2.0	13.3	79	5.9	1	6	3	4	17	0	0	0	0	0	0	1	7	23	0	0	0	0	4	16	11	3	4	2	2	3	1	4	1
SOUTH GLAMORGAN																																		
RHOOSE	69	3	1014.4	-	13.0	0.6	14.0	93	4.8	4	8	2	5	12	0	0	0	0	0	0	3	6	9	13	0	0	0	5	25	1	4	8	6	0	3	2	3	4
		9	1014.6	- 0.1	15.9	1.7	14.9	82	5.5	0	6	6	12	7	0	0	0	0	0	0	0	12	12	6	1	0	0	10	21	0	1	8	6	6	2	1	3	4
		15	1013.8	-	18.7	3.3	14.9	70	5.2	0	6	9	10	6	0	0	0	0	0	0	0	5	14	9	3	0	0	11	20	0	1	4	1	6	2	5	11	1
		21	1014.4	-	14.8	1.2	14.6	87	5.5	0	7	6	11	7	0	0	0	0	0	0	0	6	14	7	4	0	0	5	24	2	2	7	3	0	4	1	9	3
8B ENGLAND SW																																		
AVON																																		
FILTON	61	3	1014.6	-	12.9	0.9	13.4	90	4.9	5	4	7	3	12	0	0	0	0	0	0	5	12	6	8	0	0	0	2	26	3	4	7	8	0	5	3	1	0
		9	1014.8	+ 0.3	15.5	1.8	14.4	82	5.4	0	7	6	7	11	0	0	0	0	0	0	3	14	7	5	2	0	0	9	22	0	3	8	6	1	2	5	3	3
		15	1013.9	-	19.1	3.7	14.6	67	6.0	1	1	8	14	7	0	0	0	0	0	0	1	3	13	8	6	0	0	9	21	1	5	6	3	1	1	2	9	3
		21	1014.6	-	15.4	1.7	14.4	82	5.8	0	5	5	11	10	0	0	0	0	0	0	1	14	7	7	2	0	0	3	27	1	3	5	5	1	4	4	6	2
SOMERSET																																		
EXTON	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	14.3	1.4	13.7	85	5.9	0	5	5	10	10	1	0	0	1	0	2	3	14	3	8	0	0	0	1	28	2	10	2	5	3	2	4	2	1
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	12.4	0.8	13.0	90	5.9	0	6	4	8	10	3	0	1	0	2	0	2	11	8	6	1	0	0	2	25	4	10	2	4	0	5	1	2	3
YEOVILTON	23	3	1014.4	-	12.5	0.6	13.5	93	5.4	5	3	3	6	14	0	0	0	0	1	3	10	6	7	4	0	0	0	2	12	17	2	4	2	0	2	2	1	1
		9	1014.6	-	15.8	1.8	14.7	81	5.4	0	7	5	10	9	0	0	0	0	0	2	8	12	7	2	0	0	0	1	3	23	4	6	3	5	0	6	3	1
		15	1013.8	-	19.2	3.8	14.5	66	6.1	0	2	8	10	11	0	0	0	0	0	2	1	9	10	8	1	0	0	2	6	20	3	6	2	1	0	5	8	1	5
		21	1014.6	-	15.2	1.4	14.7	84	5.7	2	3	6	7	13	0	0	0	0	0	1	4	13	5	8	0	0	0	1	20	10	4	3	3	1	2	4	4	0
DORSET																																		
HURN	11	3	1014.5	-	12.3	0.5	13.6	94	5.0	7	2	4	8	10	0	0	0	0	3	1	6	8	5	8	0	0	0	2	19	10	6	1	1	0	2	4	3	4
		9	1014.8	-	16.0	1.7	14.9	82	5.4	0	8	3	11	9	0	0	0	0	0	0	3	11	9	7	1	0	0	7	24	0	11	3	0	4	1	5	2	5
		15	1014.2	-	18.8	3.3	14.9	70	5.7	0	3	9	11	8	0	0	0	0	0	0	0	12	9	5	5	0	0	2	7	22	0	5	1	1	1	10	7	3	3
		21	1014.7	-	15.0	1.1	15.0	88	5.0	2	6	5	13	5	0	0	0	0	0	0	1	13	7	10	0	0	0	0	4	22	5	5	3	0	1	4	7	3	3
PORTLAND BILL.C.G.	54	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1015.1	-	15.8	1.2	15.7	87	5.0	2	6	9	4	9	1	0	0	0	1	1	3	13	7	6	0	0	2	13	15	1	3	6	6	3	1	5	2	4
		15	1014.8	-	17.3	1.5	16.8	85	5.2	3	3	8	10	7	0	0	0	0	1	1	1	14	8	6	0	0	4	5	22	0	2	1	2	4	1	13	7	1
		21	1015.1	-	15.1	0.6	16.0	93	5.1	0	8	6	9	8	0	0	0	0	0	1	0	11	14	5	0	0	0	1	9	20	1	7	1	5	0	3	4	6	4
DEVON																																		
EXETER	38	3	1014.5	-	12.4	0.4	13.9	96	5.7	4	4	1	6	12	4	0	1	3	1	2	2	7	9	5	1	0	0	4	26	1	5	9	1	3	4	1	5	2
		9	1014.6	- 0.5	15.8	1.4	15.3	86	5.9	0	4	4	17	6	0	0	0	0	0	0	1	14	11	3	2	0	0	5	26	0	11	1	0	4	4	2	1	8
		15	1014.0	-	19.2	3.2	15.6	71	5.6	0	5	5	16	5	0	0	0	0	0	1	0	3	14	9	4	0	0	0	13	18	0	4	1	1	7	11	1	3
		21	1014.7	-	15.0	1.1	15.1	88	5.4	0	8	2	14	7	0	0	0	0	0	0	1	10	10	6	4	0	0	3	26	2	1	6	2	3	5	1	5	6
HARTLAND POINT	93	3	1014.4	-	14.2	0.9	14.6	90	4.7	4	9	2	3	13	0	0	1	0	0	0	0	1	14	10	5	0	3	8	17	3	4	3	6	3	2	5	4	1
		9	1014.5	-	15.5	1.3	15.1	86	5.9	0	1	9	15	6	0	0	0	0	1	0	6	18	4	2	0	2	11	14	4	6	6	3	0	3	3	4	2
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1014.7	-	15.2	1.3	14.9	86	5.8	0	3	10	10	7	1	0	0	1	0	0	0	3	14	7	6	0	5	8	11	7	8	1	1	1	2	1	8	2
MOUNT BATTEN	28	3	1014.5	-	13.3	0.7	14.0	92	4.6	5	6	4	7	9	0	0	0	0	0	0	0	12	15	4	0	0	1	4	24	2	2	4	7	1	1	3	3	3
		9	1014.6	- 0.7	16.1	1.6	15.3	83	5.7	0	4	7	13	7	0	0	0	0	0	0	2	7	14	6	2	0	1	4	26	0	5	4	5	0	1	9	4	3
		15	1014.3	-	18.2	2.6	15.6	75	6.0	0	3	5	18	5	0	0	0	0	0	0	2	4	13	8	4	0	0	10	21	0	5	1	3	1	2	14	3	2
		21	1014.9	-	15.3	1.4	14.9	85	5.6	1	2	8	15	5	0	0	0	0	0	0	0	8	16	5	2	0	1	5	23	2	9	3	4	2	1	4	3	3
PRAWLE POINT	-	3	-	-	-	-	-	-	4.1	10	3	3	5	9	1	1	0	0	0	0	0	7	12	11	0	0	3	11	10	7	5	3	3	1	0	4	6	2
		9	-	-	-	-	-	-	5.7	2	2	9	7	11	0	0	0	0	2	1	0	15	6	7	0	2	1	11	12	5	3	2	8	0	3	2	7	1
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CORNWALL																																		
GWENNAP HEAD	70	3	1014.5	-	14.1	0.9	14.4	90	3.8	8	7	5	0	11	0	0	0	0	0	0	1	5	9	13	3	0	5	14	10	2	8	4	4	4	2	5	1	1
		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	1014.9	-	17.0	1.9	15.7	81	5.0	1	5	10	9	6	0	0	0	0	0	0	1	8	12	8	2	0	2	16	13	0	5	3	1	3	5	3	8	3
		21	1014.9	-	15.0	1.3	14.7	86	5.1	1	6	8	5	11	0	0	0	0	0	0	2	7	9	9	4	0	4	16	9	2	7	3	3	2	3	5	2	4
ST MAWGAN	107	3	1014.5	-	13.3	0.7	14.1	92	4.5	6	5	5	5	10	0	0	0	0	2	0	1	11	10	6	1	0	1	4	25	1	4	1	9	4	5	2	2	3
		9	1014.6	- 0.4	16.1	1.8	14.8	81	5.2	0	5	10	12	4	0	0	0	0	0	0	1	8	8	12	2	0	0	11	18	2	7	2	2	5	6	5	0	2
		15	1014.5	-	17.7	2.8	14.7	73	5.0	0	5	11	12	3	0	0	0	0	0	0	2	2	5	18	4	0	0	18	13	0	7	0	2	3	3	2	4	10
		21	1015.0	-	14.6	1.1	14.6	88	5.0	1	6	6	13	5	0	0	0	0	0	2	0	7	10	10	2	0	0	4	26	1	4	3	3	5	5	3	1	6
SCILLY	61	3	1014.9	-	14.3	0.5	15.4	94	3.5	9	5	6	1	8	1	1	0	0	1	0	1	2	11	14	1	0	0	7	15	9	5	1	2	3	2	5	0	4
		9	1015.2	- 0.1	16.6	1.2	16.6	88	4.5	0	8	12	7	3	1	0	0	0	1	0	2	5	12	9	2	0	0	2	4	15	10	8	0	3	4	1	3	2	0
		15	1015.3	-	18.3	2.0	17.0	80	4.5	1	6	13	6	5	0	0	0	0	0	0	0	6	16	7	2	0	0	9	16	6	5	1	1	4	3	4	4	3
		21	1015.5	-	14.9	0.7	15.6	92	4.8	0	10	7	6	7	1	0	0	1	0	0	0	5	16	8	1	0	0	8	14	9	6	0	2	3	2	5	2	2
CHANNEL ISLANDS																																		
GUERNSEY AIRPORT	105	3	1014.8	-	13.7	0.6	14.6	93	4.2	5	9	2	8	7	0	0	2	0	0	0	1	8	8	10	2	0	0	6	24	1	5	2	2	5	5	4	2	5
		9	1015.1	-	15.6	1.2	15.4	87	5.7	0	4	7	14	6	0	0	0	0	0	1	1	9	7	9	4	0	0	8	23	0	5	2	3	6	2	5	5
		15	1014.9	-	17.2	2.3	15.2	78	4.6	0	12	3	11	5	0	0	0	0	0	1	1	6	14	8	2	0	1	9	21	0	7	3	3	0	2	6	4	6
		21	1015.3	-	14.3	0.9	14.8	90	4.3	0	12	6	10	3	0	0	0	0	1	0	1	11	7	9	2	0	0	4	27	0	4	3	4	2	1	7	6	4
JERSEY AIRPORT	83	9	1015.4	-	16.2	1.7	15.2	82	5.2	0	5	10	10	6	0	0	0	0	0	0	1	9	6	14	1	0	0	8	23	0	5	1	3	4	4	4	9	1
		15	1015.1	-	17.7	2.5	15.3	76	4.4	0	10	10	6	5	0	0	0	0	0	0	0	8	6	15	2	0	0	9	22	0	9	1	2	1	4	1	10	3
NORTHERN IRELAND																																		
LONDONDERRY																																		
MONEYDIG	35	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																																		
ALDERGROVE	73	3	1014.7	-	11.6	0.9	12.2	89	4.6	3	6	8	9	5	0	0	0	0	0	0	4	9	5	11	2	0	0	5	23	3	2	3	4	10	6	1	1	1
		9	1014.7	+ 2.3	14.7	1.9	13.5	80	5.6	0	5	8	10	8	0	0	0	0	0	0	3	8	11	6	3	0	0	8	22	1	4	3	6	2	5	5	2	3
		15	1014.1	-	17.7	3.7	13.2	66	5.4	0	5	7	13	6	0	0	0	0	0	0	2	4	4	13	8	0	0	11	20	0	3	5	7	5	3	2	5	1
		21	1014.4	-	13.9	1.9	12.5	79	4.7	0	9	7	11	4	0	0	0	0	0	0	1	6	6	11	7	0	0	4	27	0	6	2	9	7	5	1	0	1
TYRONE																																		
CARRIGANS	112	9	1014.6	-	14.2	1.4	13.8	85	5.4	0	5	9	9	8	0	0	0	0	0	0	1	15	11	2	2	0	0	2	25	4	4	2	2	6	5	3	2	3
		15	1013.9	-	18.2	3.6	13.9	67	5.8	0	0	12	13	6	0	0	0	0	0	0	0	6	10	7	8	0	0	4	27	0	4	2	5	5	4	3	4	4
		21	1014.4	-	13.4	1.4	13.0	84	4.8	1	9	7	8	6	0	0	0	0	0	0	0	9	10	9	3	0	0	2	24	5	7	3	4	6	2	1	0	3

TABLE 5 NUMBER OF DAYS WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS

AUGUST 1977

STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
LERWICK (PSYCHROMETER)	0	0	0	24	7	0	0	0	0	0	0	0	1	21	9	0
LERWICK (SCREEN)	0	0	0	22	9	0	0	0	0	0	0	0	1	21	9	0
STORNOWAY	0	0	0	12	15	4	0	0	0	0	0	0	1	17	13	0
CRAIBSTONE	0	0	0	10	19	2	0	0	0	0	0	0	2	19	10	0
ROTHESAY	0	0	0	1	26	4	0	0	0	0	0	0	0	11	20	0
ABBOTSINCH	0	0	0	1	22	8	0	0	0	0	0	0	3	13	12	3
ESKDALEMUIR (PSYCHROMETER)	0	0	0	6	20	5	0	0	0	0	0	1	9	8	13	0
ESKDALEMUIR (SCREEN)	0	0	0	6	20	5	0	0	0	0	0	1	9	8	13	0
DOUGLAS	0	0	0	4	25	2	0	0	0	0	0	0	0	7	24	0
BOULMER	0	0	0	2	27	2	0	0	0	0	0	0	1	13	17	0
HULL	0	0	0	2	20	7	2	0	0	0	0	0	0	6	23	2
GORLESTON	0	0	0	0	24	7	0	0	0	0	0	0	0	6	24	1

STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
CAMBRIDGE BOTANIC GARDENS	0	0	0	2	13	14	2	0	0	0	0	0	0	11	19	1
EDGBASTON	0	0	0	6	16	8	1	0	0	0	0	0	0	3	27	1
KEW (PSYCHROMETER)	0	0	0	2	17	12	0	0	0	0	0	0	1	8	19	3
KEW (NORTH-WALL SCREEN)	0	0	0	1	18	11	1	0	0	0	0	0	0	3	26	2
HASTINGS	0	0	0	0	28	3	0	0	0	0	0	0	0	0	28	3
SOUTHAMPTON	0	0	0	0	16	14	1	0	0	0	0	0	0	3	25	3
STONYHURST	0	0	0	3	20	8	0	0	0	0	0	0	1	12	17	1
VALLEY	0	0	0	0	20	11	0	0	0	0	0	0	0	5	25	1
RHOOSE	0	0	0	0	19	12	0	0	0	0	0	0	0	9	21	1
FALMOUTH	0	0	0	0	27	4	0	0	0	0	0	0	0	6	25	0
ALDERGROVE	0	0	0	1	21	9	0	0	0	0	0	0	2	12	15	2
ARMAGH	0	0	0	1	19	11	0	0	0	0	0	0	1	18	10	2

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

AUGUST 1977

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED							MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT	HOURS OF NO RECORD		HOURLY WIND			GUST				
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS						VEER FROM N	SPEED-KT	DAY	HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY	TIME
0 SCOTLAND N																					
SHETLAND	LERWICK	93	10	10	29	2	8	84	238	291	129	0	10.9	220	37	29	12	210	53	29	1212
ORKNEY	KIRKWALL AIRPORT	41	15	10		0	5	42	272	367	63	0	10.6	250	31	29	11	240	49	29	1118
WESTERN ISLES	BENBECULA	16	10	10		0	5	52	307	346	39	0	11.1	040	31	25	13	180	48	29	0400
	STORNOWAY	12	10	10	29	4	5	66	276	314	84	0	11.0	200	37	29	06	210	57	29	0642
HIGHLAND	DALCROSS	19	10	10		0	2	7	191	401	145	0	8.0	230	31	29	09	230	51	29	0930
	DOUNREAY	34	12	9		0	1	6	217	357	152	12	8.2	080	26	25	08	080	36	25	0748
	DUIRINISH	38	20	17	29	2	4	30	140	365	180	27	8.2	180	35	29	07	190	57	29	0800
	FORT AUGUSTUS	58	16	16		0	1	4	71	314	355	0	4.9	260	29	29	08	260	50	29	0818
	WICK	45	10	10		0	4	25	211	419	89	0	9.4	070	29	25	07	070	43	25	0730
1 SCOTLAND E																					
GRAMPIAN	ABERDEEN DYCE AIRPORT	68	10	10		0	1	6	136	367	235	0	6.6	190	30	29	06	190	46	29	0606
	FRASERBURGH	29	13	11		0	5	29	177	424	114	0	8.6	070	31	25	03	070	40	25	0248
	KINLOSS	18	13	13		0	3	22	228	388	106	0	8.9	220	33	28	16	220	47	28	1600
	LOSSIEMOUTH	17	10	10		0	3	21	222	378	123	0	8.8	200	26	29	07	240	47	29	1112
TAYSIDE	BELL ROCK	39	40	38	26 29	3	13	121	346	193	81	0	13.1	220	40	29	09	220	52	29	0930
	MYLNEFIELD	40	10			0	0	0	52	422	270	0	5.8	090	18	24	19	240	37	29	1054
	TUMMEL BRIDGE	161	16	16		0	0	0	30	396	318	0	4.8	120	19	24	20	120	39	24	2012
FIFE	LEUCHARS	25	13	13		0	2	16	332	311	85	0	9.9	080	29	24	19	210	50	29	0854
LOTHIAN	EDINBURGH TURNHOUSE AIRPORT	43	13	10		0	2	4	224	388	128	0	8.4	250	23	29	12	240	45	29	1036
	ROYAL OBSERVATORY, BLACKFORD HILL	159	10	10	29	3	5	22	285	373	61	0	10.3	210	36	29	06	220	56	29	0812
	FORTH ROAD BRIDGE	72		72		0	3	16	324	242	119	43	10.0	230	30	29	12	230	45	29	1200
6 SCOTLAND W																					
STRATHCLYDE	ABBOTSINCH AIRPORT	16	10	10		0	1	1	142	428	173	0	7.2	220	24	29	09	230	39	29	0942
	ARDROSSAN	24	20			0	4	14	272	398	60	0	9.7	210	24	29	09	220	35	29	0942
	DUNSTAFFNAGE	13	10	10		0	0	0	164	437	139	4	7.7	300	21	5	06	090	37	24	1554
	GREENOCK PORT	51	49			0	0	0	136	411	197	0	6.9	090	21	24	18	240	34	29	0936
	INCHTERF	55	15	12		0	1	2	196	383	162	1	7.5	230	25	29	10	210	41	29	0918
	LOWTHER HILL	754	27		4 16 17 20 24 29	21	19	191	276	202	41	13	16.0	110	46	24	16	220	58	29	0930
	MACHRIHANISH	22	12	12		0	4	25	271	342	106	0	9.5	120	33	24	11	120	45	24	1130
	PAISLEY	57	25	9		0	0	0	62	382	286	14	5.1	220	20	29	09	260	39	29	1000
	PRESTWICK AIRPORT	21	10	10		0	1	8	192	378	166	0	7.9	120	25	24	17	140	40	24	1300
	TIREE	24	16	12		0	8	71	308	313	52	0	11.7	210	33	29	07	210	49	29	0648
DUMFRIES AND GALLOWAY	ESKDALEMUIR	259	10	10		0	2	11	193	325	215	0	7.4	190	24	29	08	190	45	29	0754
	WEST FREUGH	25	10	10		0	1	8	139	462	135	0	7.7	130	26	24	10	130	39	24	1018
2 ENGLAND E & NE																					
NORTHUMBERLAND	BLYTH	19	10	10		0	6	33	240	377	67	27	10.0	240	26	29	10	240	45	29	1000
	BOULMER	33	10	10		0	3	12	156	441	135	0	7.7	210	24	29	10	210	40	29	1006
TYNE AND WEAR	SOUTH SHIELDS	22	17	13		0	5	34	195	393	110	12	8.9	350	27	19	09	350	38	19	0924
CLEVELAND	SOUTH GARE	22	14	15	DEFECTIVE RECORD																
DURHAM	DURHAM	119	16	10	DEFECTIVE RECORD																
NORTH YORKSHIRE	LEEMING	42	10	10		0	0	0	218	379	147	0	8.2	040	21	17	11	230	33	29	0936
	LINTON-ON-OUSE	23	9	10		0	0	0	179	435	130	0	7.8	060	21	17	12	060	33	17	1224
	SILPHO MOOR	207	15	9		0	0	0	60	365	319	0	5.0	160	18	19	07	160	37	19	0706
LINCOLNSHIRE	BINBROOK	118	10	10		0	6	20	309	364	48	3	10.7	010	26	18	08	010	40	18	0836
	CONINGSBY	16	10	10		0	1	2	244	364	134	0	8.5	050	22	17	10	200	35	25	1654
	CRANWELL	68	13	13		0	2	2	274	419	41	8	9.7	160	22	24	12	200	37	25	1636
	SCAMPTON	68	10	10	DEFECTIVE RECORD																
	WADDINGTON	80	10	10		0	2	14	255	407	68	0	9.4	120	24	24	14	130	36	24	1400
3 EAST ANGLIA																					
NORFOLK	COLTISHALL	27	10	10		0	0	0	190	392	162	0	7.5	030	21	22	13	190	33	25	1042
	GORLESTON	16	13	13		0	10	81	334	275	54	0	12.2	170	31	24	21	160	47	24	1836

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED							MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT			HOURLY WIND				GUST			
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS				HOURS OF NO RECORD		VEER FROM N	SPEED-KT	DAY	HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY	TIME
3 EAST ANGLIA - CONTINUED																				
	MARHAM	29	10	10		0	0	0	211	407	126	0	8.1	210	21	25	13	210	33	25	1412
CAMBRIDGESHIRE	WITTERING	87	10	10		0	0	0	200	419	125	0	7.9	040	20	22	13	060	31	18	1706
	WYTON	45	10	10		0	0	0	217	399	128	0	8.0	020	21	27	13	210	32	25	1542
SUFFOLK	HONINGTON	60	13	13		0	0	0	171	447	126	0	7.7	190	20	25	15	200	33	25	1506
	WATTISHAM	105	17	10		0	1	2	275	414	52	1	9.4	210	25	25	15	210	41	25	1524
BEDFORDSHIRE	BEDFORD	94	13	9		0	1	1	219	445	79	0	8.3	030	22	22	16	210	36	25	1224
	CARDINGTON	70	41	41		0	3	13	238	406	87	0	9.1	160	25	24	13	150	40	24	1324
HERTFORDSHIRE	GARSTON	94	15	10		0	0	0	17	451	268	8	4.6	210	12	25	11	210	31	25	1142
	ROTHAMSTED	141	13	10																	
ESSEX	SHOEBURYNESS	17	14	12		0	0	0	197	499	39	9	8.5	220	21	25	14	220	35	25	1348
	STANSTED	108	10	10		0	0	0	156	442	146	0	7.2	220	17	25	14	220	30	25	1454
4 MIDLAND COUNTIES																					
SOUTH YORKSHIRE	FINNINGLEY	19	10	10		0	0	0	175	420	149	0	7.5	330	20	19	08	330	30	19	0854
	SHEFFIELD UNIVERSITY	146	29	15		0	1	1	178	418	147	0	7.4	050	22	17	10	060	38	17	1112
NOTTINGHAMSHIRE	WATNALL	133	16	10		0	0	0	188	450	105	1	7.8	040	20	17	12	040	33	17	1200
STAFFORDSHIRE	KEELE	215	15	10		0	0	0	41	367	336	0	4.7	140	15	24	13	210	34	30	1330
SALOP	SHAWBURY	84	12	10		0	1	1	170	357	216	0	6.9	230	25	30	15	230	34	30	1506
WEST MIDLANDS	BIRMINGHAM EDGBASTON	196	36	22		0	0	0	114	312	318	0	5.5	150	16	24	12	140	34	24	1142
	ELMDON AIRPORT	104	10	10		0	0	0	170	390	184	0	7.0	210	21	25	13	210	35	25	1348
HEREFORD & WORCS	PERSHORE	47	10	10																	
OXFORDSHIRE	BENSON	60	10	10		0	0	0	122	362	260	0	6.3	200	20	25	13		34	25	1512
	BRIZE NORTON	91	13	10		0	2	4	179	383	178	0	7.6	060	22	17	12	210	37	25	1500
	OXFORD					0	1	2	192	366	151	33	8.0	210	22	25	14	190	38	24	1636
5 ENGLAND SE & CENTRAL S																					
GREATER LONDON	HEATHROW AIRPORT	34	10	10		0	0	0	105	446	193	0	6.4	190	19	25	15	200	33	25	1554
	KEW	28	23	15		0	0	0	126	365	253	0	6.3	210	20	25	14	210	39	25	1430
	LONDON WEATHER CENTRE	93	70	38		0	1	5	226	434	79	0	9.0	220	25	25	14	220	47	25	1506
	POST OFFICE TOWER			174		0	5	29	258	457	0	0	10.9	050	27	27	17	070	34	27	1812
WILTSHIRE	BOSCOMBE DOWN	130	17	17		0	2	4	144	411	185	0	7.2	210	23	25	15	190	34	24	1848
	LARKHILL	145	13	10		0	0	0	120	415	209	0	6.5	190	20	24	19	180	37	24	1848
	LYNEHAM	159	14	11		0	1	3	171	425	144	1	7.5	150	26	24	11	150	42	24	1112
	PORTON	120	10	10		0	2	6	133	344	261	0	6.3	180	23	24	18	190	44	24	1824
KENT	DUNGENESS	16	10	10		0	3	24	272	365	83	0	9.8	170	26	24	15	210	41	25	1154
	ISLE OF GRAIN	15	12	10	DEFECTIVE RECORD																
	DOVER	27	21	18																	
	MANSTON	62	18	18		0	7	31	251	412	50	0	10.0	200	30	25	12	220	45	25	1224
HAMPSHIRE	CALSHOT	15	13	10		0	2	30	208	386	114	6	9.0	160	27	24	18	160	45	24	1848
	FARNBOROUGH	75	10	10		0	0	0	79	368	297	0	5.4	210	19	25	16	210	37	25	1736
	MIDDLE WALLOP	94	10	10	DEFECTIVE RECORD																
WEST SUSSEX	GATWICK AIRPORT	69	10	10		0	0	0	97	401	246	0	6.1	210	19	25	12	210	37	25	1254
	THORNEY ISLAND	16	10	10		0	2	21	129	318	240	36	7.2		25	25	05		36	24	1712
7A ENGLAND NW & I O M																					
CUMBRIA	CARLISLE	41	13	9		0	0	0	135	456	153	0	7.0	220	19	29	10	220	43	29	0836
	GREAT DUN FELL	857	10	10	4 5 16-19 21 24 28-30	90	21	197	310	135	12	0	19.7	060	48	17	10	220	62	4	1642
	MOOR HOUSE	595	13	12		0	6	44	305	290	105	0	10.6	210	32	29	01	210	48	29	0724
	SELLAFIELD	25	12	11		0	2	9	138	472	125	0	7.6	170	24	4	15	120	35	24	1306
LANCASHIRE	FLEETWOOD	34	15	9		0	1	1	170	364	209	0	7.0	140	22	24	10	140	41	24	1054
	SQUIRES GATE AIRPORT	22	12	11		0	3	5	228	424	87	0	8.7	130	23	24	12	130	39	24	1218
MERSEYSIDE	AIGBURTH	38	23	11		0	0	0	123	444	177	0	6.7	210	21	4	11	210	32	4	1136
	SPEKE AIRPORT	30	10	10		0	0	0	114	410	220	0	6.4	140	20	24	11	140	35	24	1042
GREATER MANCHESTER	MANCHESTER RINGWAY AIRPORT	80	10	10		0	1	2	194	360	188	0	7.6	070	24	17	12	130	39	24	1242
	WEATHER CENTRE	82	45	17		0	0	0	163	467	114	0	7.5	050	18	16	17	040	41	17	1454
ISLE OF MAN	POINT OF AYRE	20	10	10		0	4	19	288	386	51	0	10.1	140	33	24	13	130	49	24	1342
	RONALDSWAY	25	10	10		0	5	34	282	352	76	0	10.1	110	32	24	13	110	43	24	1406
7B WALES N																					
GWYNEDD	VALLEY	26	16	12		0	7	61	268	286	129	0	10.5	210	30	4	14	200	41	30	0618
8A WALES SOUTH																					
DYFED	ABERPORTH	144	10	10	24	1	2	13	235	344	151	0	8.7	150	34	24	05	150	46	24	0454
	BRAWDY	121	10	10		0	3	10	279	382	73	0	9.6	150	25	24	05	200	38	30	1018
	MILFORD HAVEN	47	10	10	DEFECTIVE RECORD																
WEST GLAMORGAN	PORT TALBOT	28	12	11		0	0	0	145	237	330	32	5.3	250	21	25	13	080	41	16	2124
MID GLAMORGAN	CILFYNYDD	210	16	16		0	1	1	145	337	260	1	6.5	270	22	4	19	050	39	17	2000
SOUTH GLAMORGAN	RHOOSE AIRPORT	74	10	10		0	0	0	176	379	189	0	7.3	270	20	30	13	270	34	30	1342
8B ENGLAND SW																					
AVON	AVONMOUTH	28	19	10		0	0	0	204	388	152	0	7.8	260	21	30	15	210	35	25	1500
SOMERSET	YEOVILTON	22	12	10		0	1	2	88	350	304	0	5.7	230	23	25	14	230	40	24	1512
DORSET	HURN AIRPORT	23	13	11		0	2	6	121	389	228	0	6.6	190	22	24	18	190	40	24	1830
	PORTLAND BILL CG	60	13	13		0	4	40	210	383	95	16	9.4	190	30	24	18	240	44	25	1624
DEVON	MOUNT BATTEN	64	13	13		0	2	23	134	403	184	0	7.5	220	27	24	11	100	37	16	1348
CORNWALL	CULDROSE					0	5	15	282	387	60	0	9.7	060	31	16	11	170	42	24	0418
	LIZARD	96	23	18		0	9	59	287	352	45	1	11.1	100	33	16	11	170	49	24	0254
	ST MAWGAN	120	13	13		0	1	5	217	455	67	0	8.5	160	27	24	02	160	38	24	0254
	SCILLY(ST MARYS)	70	20	17		0	4	19	197	257	257	14	7.6	160	27	24	00	230	41	25	0824
CHANNEL ISLANDS																					
	GUERNSEY AIRPORT	111	11	10		0	2	4	174	500	66	0	8.2	230	23	25	15	160	34	24	0536
	JERSEY AIRPORT	94	12	10		0	0	0	205	467	72	0	8.4	180	19	24	18	170	31	24	1800
NORTHERN IRELAND																					
LONDONDERRY	COLERAINE UNIVERSITY	33	10	10	DEFECTIVE RECORD																
ANTRIM	ALDERGROVE	80	10	10		0	1	1	145	485	113	0	7.5	130	22	24	07	130	37	24	0648
	BALLYPATRICK FOREST	166	13	13		0	2	11	235	303	195	0	8.1	150	27	24	08	150	51	24	0748
	BELFAST HARBOUR	21	18	18		0	2	6	241	307	188	2	8.1	130	26	24	08	130	41	24	0854
DOWN	KILKEEL	36	19	14	DEFECTIVE RECORD																
	ORLOCK HEAD	51	16	12		0	6	23	310	339	59	13	10.7	130	32	24	09	120	49	24	0912
TYRONE	CARRIGANS	129	10	10		0	0	0	51	361	311	21	5.1	210	17	29	06	210	35	29	0618
FERMANAGH	CASTLE ARCHDALE FOREST	79	13	13		0	0	0	81	355	301	7	5.4	200	19	28	21		42	29	

TABLE 3 ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)											BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY		PRECIPITATION		SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE	0.2 MM OR MORE	1.0 MM OR MORE													
1962	JANUARY	GULVAL											6.73				25	22													
	FEBRUARY	GULVAL	8.8	4.3	6.5	-0.4	12.2	18	-2.2	27			1.42		.28	4,27	14	11	-	1	-	-	-	0	3	0		-	2.89	108	
	MAY	GULVAL	13.7	7.9	10.8	-1.0	16.1	15	5.0	1,2			3.05		.67	20	19	11	-	0	-	-	-	0	0	-		-	7.07	103	
	ANNUAL	GULVAL											38.59	97			198	157													
1963	MAY	GULVAL	13.9	8.2	11.1	-0.8	21.1	31	3.3	24			1.62	69	.26	12	14	12	-	0	-	-	-	0	0	0		-	7.14	100	
	JUNE	GULVAL	17.2	11.6	14.4	-0.3	23.3	1	7.8	8			2.54	137	.19	19	15	9	-	0	-	-	-	0	0	0		-	6.43	94	
	DECEMBER	GULVAL	8.6		6.1	-1.7	12.8	2									10	9	-	0	-	-	-	0	5	12		-	2.16	125	
1968	FEBRUARY	MILDENHALL		-0.1	2.3	-1.6																									
	JULY	MILDENHALL			15.5	-1.3																									
	ANNUAL	MILDENHALL		6.4																											
1977	FEBRUARY	BALLYMONEY											124	188																	
		BALLYWALTER PARK															21	19												92	
		ROSETTA											125	198	17	10	21	17													
		MURLOUGH											207	314																	
1977	MARCH	TRAWSFYNYDD											(111)		(17)	15	(20)	(18)													
	APRIL	HARTLEPOOL											29	79		3		11													
		WHITBY (COASTGUARD)											37																		
		BOXWORTH																											5.68		
		LUTON									7.2																		5.41		
		STANSTEAD ABBOTTS																							6						
		HARLOW	11.7	2.8	7.3		15.8	22	-3.9	10		7.6	34	82	9	29	14	9	3	0	0	1	0	0	7		0	3.84		
		WRITTLE																											4.57	86	
		BUXTON											112	126				21													
		MORLEY	10.9	3.1	7.0		15.1	25	-1.4	3			35	72	7	26	14	11	0	0	0	0	2	3	1	11	0	3.65		
		OSWESTRY																								15					
		BIRMINGHAM KES											52	105				14													
		LONG LAWFORD									7.5																				
		RUGBY											40	92			17														
		BUGBROOKE MILLS			6.9																										
		MOULTON PARK																								17					
		PRESTON WYNNE	11.0		7.0								38	86			17	13							6						
		LETCOMBE REGIS																							6	15					
		SHIRBURN (MODEL FARM)	11.3	2.7	7.0		15.8	25	-3.2	8			32		9	26	14	10	3	0	0	4	2	0	9	19	0				
		HAMPSTEAD				-1.4																							(4.95)	(94)	
		SOUTHGATE	(12.1)		(7.9)	(-1.4)	18.9	12																							
		WADDON	(11.9)																												
		GILLINGHAM																							5						
		HAYLING ISLAND												59			8														
		HURSTPIERPOINT														28															
		ROGATE											(37)				(14)	(7)													
		SELLAFIELD		(4.2)	(6.7)												(20)	(14)											(4.13)		
		BOLTON									6.5	6.3																			
		BETWS-Y-COED											95				21	17													
		CWMYSTRADLLYN											174				21	21													
		TREGARON											(95)		(16)	25															
		SWANSEA											63	90		25	15	13													
		NEWPORT (GWENT)		(3.9)	(7.6)				(-2.5)	8															2						
		BATH																							1						
		POOLE																							5				6.80	113	
		SLAPTON											38	60	6	21															

Averages for 1941-70 were brought into use on 1-1-1974. Additions or corrections for months prior to this date refer to the averages in use at the time.

(x) Urban rooftop site.

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THE METEOROLOGICAL OFFICE

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MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

SEPTEMBER 1977

VOLUME 94 NUMBER 9

METEOROLOGICAL OFFICE 19 MAY 1978 LIBRARY

Mostly cool: very dry over much of southern and eastern England.

Fronts and alternating ridges crossed all areas from the west and north-west between the 1st and the 12th. An anticyclone then moved in from the Atlantic to become established over central and later south-western parts of the British Isles on the 13th and 14th, while weak fronts affected the north of Scotland. A cold front moved slowly south on the 15th and the high-pressure centre was absorbed into a ridge extending from Iceland to southern England. On the 16th the centre of the anticyclone moved to a position off north-west Scotland and the whole of the British Isles remained within its circulation until the 23rd, when the high-pressure area drifted eastwards. Atlantic fronts moved north-eastwards, and then eastwards, across all districts between the 24th and the 28th, and further fronts moved slowly south at the end of the month.

Weather

The weather was changeable for much of the first two weeks, with sunny periods, outbreaks of rain, showers and scattered thunderstorms, although comparatively little rain fell in many parts of England. There were gales at times in northern districts. North-easterly winds brought cool and mainly dry conditions to most areas between the 16th and the 22nd, with sunny spells mostly occurring in western districts. Rain reached south-west England and South Wales on the 23rd and the unsettled weather returned to many areas; gales and heavy rain particularly affected parts of the north on the 29th and 30th. Fog, which formed from time to time during the month, was occasionally persistent along coasts and on hills. A few patches of snow were still visible on the summits of the higher Scottish mountains.

Wind

Winds were frequently fresh or strong in exposed places in the west and north during the first half of the month and reached gale force from time to time. Winds were lighter during the third week, but were fresh or strong over most coastal and some inland districts from the 24th onwards. There were gales on exposed coasts on the 24th and 25th and also between the 28th and the 30th, when most stations recorded their maximum gusts for the month and northern districts were particularly windy; gusts of 77 and 74 kt were recorded on the 28th at the high-level stations at Great Dun Fell (Cumbria) and Lowther Hill (Strathclyde) respectively. Directions were mainly south-westerly until the 11th and were then mostly between west and north until mid-month. North-easterlies prevailed from the 16th to the 22nd, but directions then became south-easterly for a few days and winds later blew from points between south-west and north-west.

Temperature

Monthly mean temperatures were below normal in all districts, mostly by not more than 1.0 °C, but by 1.0 to 1.5 °C in parts of northern and western Scotland, along much of the coast of southern England and in one or two places in Wales and the west Midlands. Mean maximum temperatures were between 1.0 and 1.5 °C below average in many areas. Except in the north of Scotland, where there was considerable variation in the date of the warmest day, monthly maxima mostly occurred between the 11th and the 15th: on the 11th the temperature rose to at least 24 °C in parts of eastern England and the north Midlands. The lowest minima were recorded during the third week, when air frost occurred in some northern areas and over high ground elsewhere. Temperatures fell to around -3.0 °C at several places in Scotland on the nights of the 15th/16th and 18th/19th, but these values are not unusually low there for September, despite the low mean temperatures.

Rainfall

Monthly rainfall totals ranged from about 150 per cent of average in parts of central and southern Scotland to about 15 per cent in places in central England. Rainfall was above average over most of north-western, central and western Scotland (except along the extreme coastal strip) and also in Shetland and in places in the Grampian Region, but was below average in almost all other parts of the United Kingdom. Less than half the normal rainfall for September fell over much of England, excluding the north-west, the Isle of Wight and parts of the south-west, and a number of places in central and eastern England recorded less than 25 per cent of their average. In the Midlands only 5 mm were measured during the month at several places, but in sharp contrast, 119 mm fell in 12 hours on the 4th at Honister Pass (Cumbria), a rainfall classified as 'very rare'. Outbreaks of rain or showers, which were heaviest in the north and west, occurred in many areas between the 1st and the 12th, and in northern districts until around mid-month. There were scattered thunderstorms over England and Wales on the 8th and 9th and a few hail showers in Scotland. Apart from occasional light rain and scattered showers, it was mostly dry from mid-month until the 23rd, but rain or showers then fell in many places and there were local thunderstorms in central England on the 25th. Heavy falls of rain occurred on the 29th and 30th in north-western areas and in Scotland, where hail and thunder were also reported.

Sunshine

Monthly sunshine totals were between about 110 and 130 per cent of average in Shetland and north-west Scotland, and a little above average in Cornwall, parts of Devon and in a few isolated spots elsewhere. Totals were mostly between 75 and 100 per cent of average in remaining areas. Long sunny periods occurred from time to time during the first two weeks and it was very sunny over Wales and much of England on the 13th and 14th. Sunny periods continued in some western districts until the 19th, but the rest of the month was rather dull, with only occasional sunny spells during the last week.

Fog

Patches of fog occurred from time to time, mostly during the first half of the month, but also occasionally during the last two weeks. Overnight fog patches in inland areas usually cleared soon after sunrise, but fog along northern and western coasts, and on hills, was sometimes persistent and was often associated with precipitation. Fog particularly affected the north coast of mainland Scotland on the 14th, Shetland on the 26th and the coasts of south-western England on the 27th.

Miscellaneous Phenomena

The aurora was observed in Scotland on two nights.

Table 1 District values

District	air temperature °C					mean 30-cm earth temp °C	rain-days	rainfall	sun-shine
	Highest Max.*	Lowest Min.*	max.	min.	mean				
			difference from average					% of average	
0 Scotland N	19.0	0.0	-1.1	-1.2	-1.1	-1.1	-2	107	103
1 Scotland E	22.0	-2.3	-1.0	-0.3	-0.6	-0.4	-1	93	86
2 England E & NE	24.5	-1.5	-0.6	-0.1	-0.4	-0.4	-2	36	85
3 East Anglia	24.1	4.1	-0.7	-0.1	-0.4	-0.4	-3	31	89
4 Midland Counties	23.9	2.9	-1.1	-0.3	-0.7	-0.5	-4	36	85
5 England SE & Central S	21.8	2.9	-1.2	-0.4	-0.8	-0.6	-4	33	88
6 Scotland W	19.0	-0.7	-1.1	-0.6	-0.8	-0.5	-1	125	89
7 England NW & Wales N	23.8	1.3	-1.2	-0.1	-0.6	-0.8	-2	69	80
8 England SW & Wales S	21.6	2.3	-1.2	-0.6	-0.8	-0.6	-4	48	95
N Ireland	19.6	-1.0	-0.7	-0.9	-0.8	0.0	-3	65	93
Scotland	22.0	-2.3	-1.1	-0.7	-0.8	-0.7	-1	108	93
England & Wales	24.5	-1.5	-1.0	-0.3	-0.6	-0.5	-3	42	87

*Highest maximum and lowest minimum of District Value Stations.

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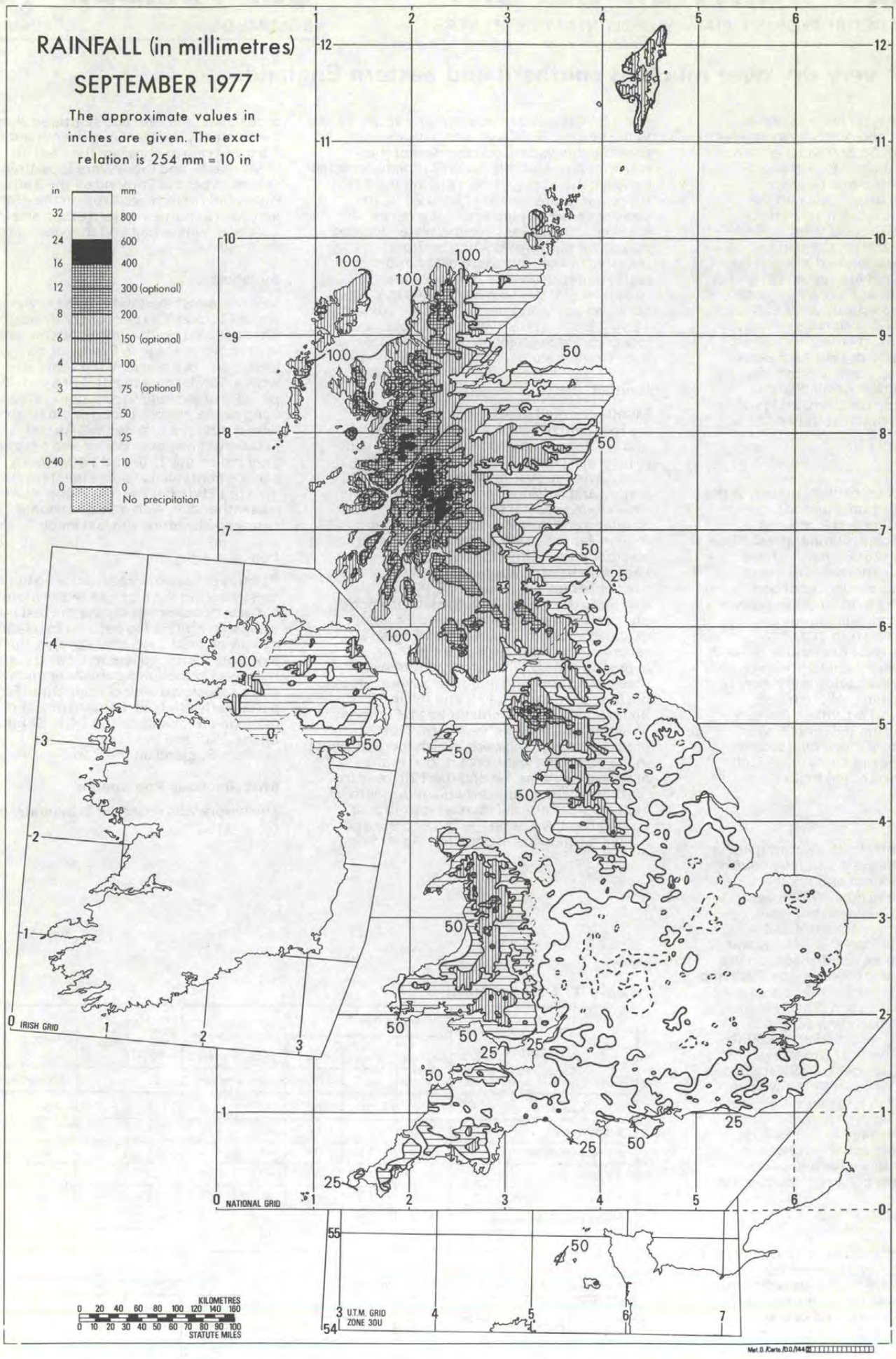
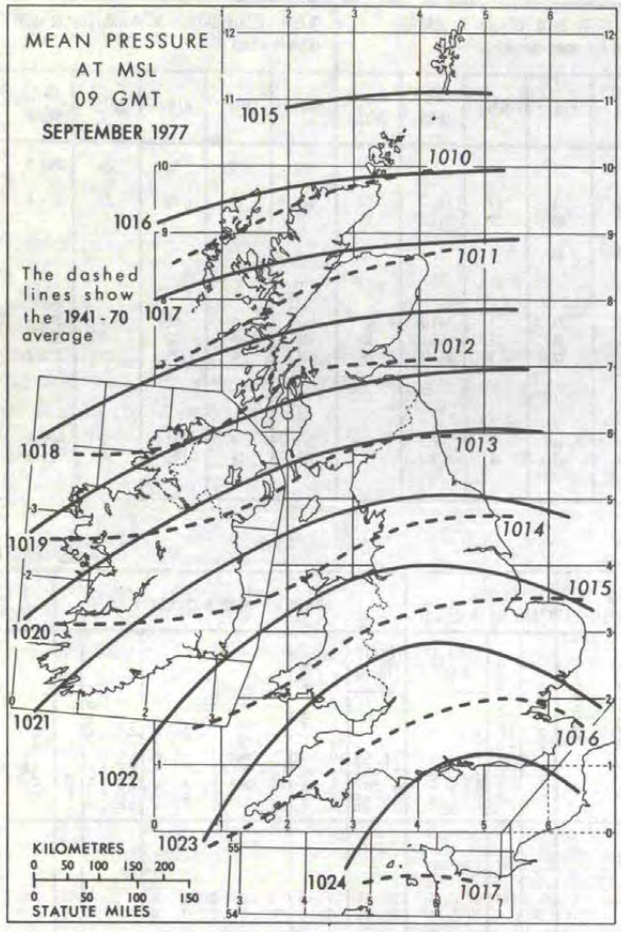
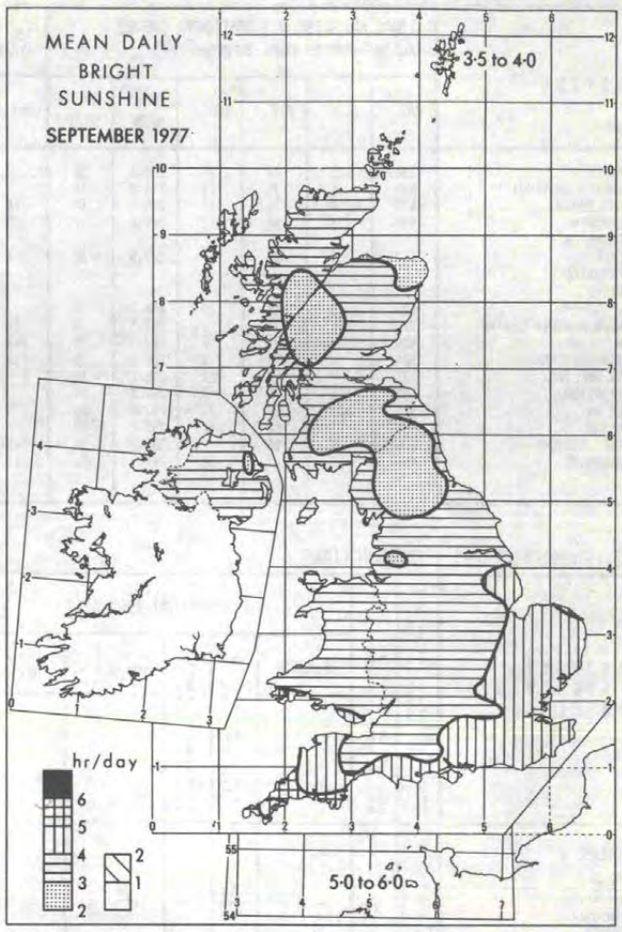
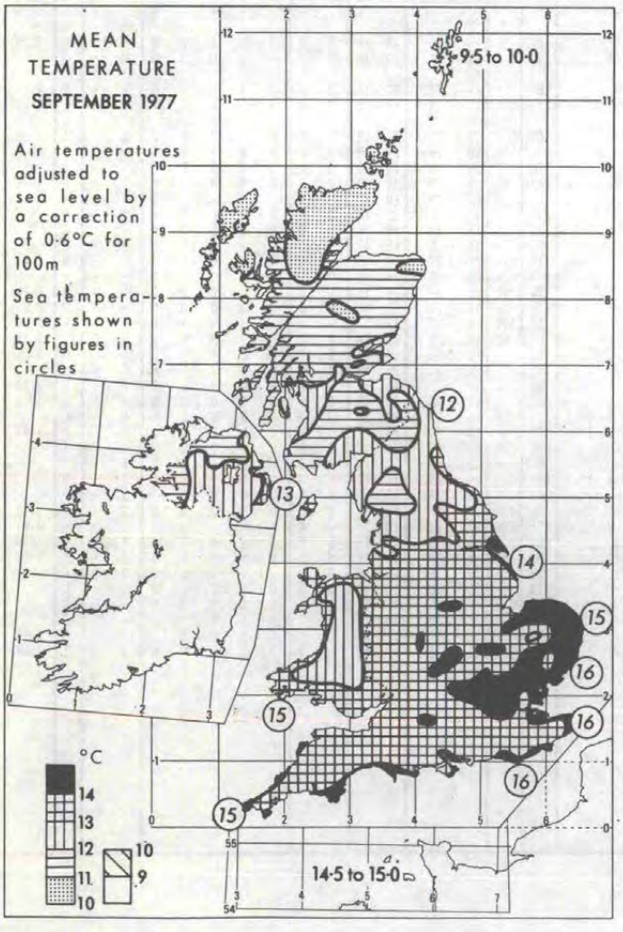

RAINFALL (in millimetres)
SEPTEMBER 1977
The approximate values in inches are given. The exact relation is 254 mm = 10 in
in
mm
32
800
24
600
16
400
12
300 (optional)
8
200
6
150 (optional)
4
100
3
75 (optional)
2
50
1
25
0·40
10
0
0
No precipitation
100
50
25
IRISH GRID
NATIONAL GRID
U.T.M. GRID ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
STATUTE MILES
0 10 20 30 40 50 60 70 80 90 100


MEAN PRESSURE
AT MSL
09 GMT
SEPTEMBER 1977
The dashed lines show the 1941-70 average
1015
1010
1016
1011
1017
1012
1018
1013
1019
1014
1015
1020
1021
1016
1022
1023
1024
1017
KILOMETRES
0 50 100 150 200
0 50 100 150
STATUTE MILES


MEAN DAILY
BRIGHT
SUNSHINE
SEPTEMBER 1977
3·5 to 4·0
hr/day
6
5
4
3
2
2
1
5·0 to 6·0


MEAN
TEMPERATURE
SEPTEMBER 1977
Air temperatures adjusted to sea level by a correction of 0·6°C for 100m
Sea temperatures shown by figures in circles
9·5 to 10·0
12
13
14
15
16
15
16
16
15
°C
14
13
12
11
10
10
9
14·5 to 15·0

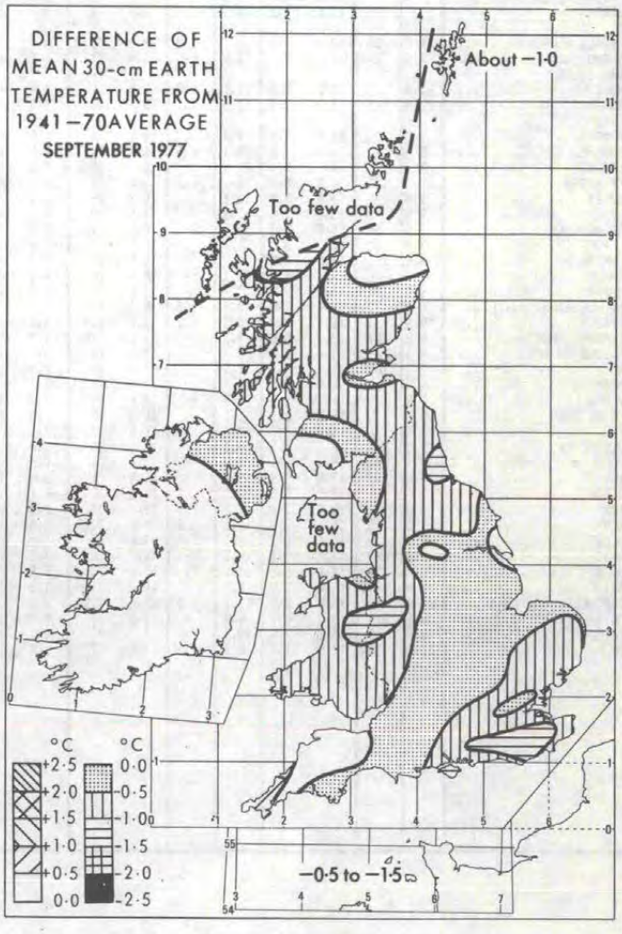

DIFFERENCE OF
MEAN 30-cm EARTH
TEMPERATURE FROM
1941–70 AVERAGE
SEPTEMBER 1977
About −1·0
Too few data
Too few data
°C
+2·5
+2·0
+1·5
+1·0
+0·5
0·0
°C
0·0
−0·5
−1·0
−1·5
−2·0
−2·5
−0·5 to −1·5

TABLE 2 SOLAR RADIATION AND ILLUMINATION

SEPTEMBER 1977

STATION	GLOBAL RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						DIFFUSE RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						GLOBAL ILLUMINATION ON A HORIZONTAL SURFACE (KILOLUX-HOURS)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	492	3	42	26	222.2	30							588	3	56	26	268.2	30
ABERDEEN UNIVERSITY	452	3	29	25	213.0	30												
ESKDALEMUIR	475	18	46	27	205.3	30	218	15	46	27	130.7	30	625	18	70	27	274.4	30
ABERPORTH	598	3	64	21	286.4	30	290	7	63	21	157.3	30						
CARDINGTON																		
SILSOE	567	3	86	2	287.9	30	261	10	86	2	171.1	30						
ROTHAMSTED																		
GARSTON																		
WALLINGFORD	471	3	79	20	240.2	30												
LONDON WEATHER CENTRE	523	4	73	2	263.3	30	221	7	73	2	153.8	30	652	4	108	2	340.6	30
KEW	506	4	71	2	267.7	30	243	1	71	2	157.8	30	591	4	92	2	309.3	30
EASTHAMPSTEAD	524	4	91	2.30	286.7	28	252	7	91	2.30	163.6	28	681	4	125	30	375.2	28
EAST MALLING	522	9	75	21	275.1	30												
RUSTINGTON	584	4	69	2	298.3	30												
EVERTON	546	15	67	24	287.8	30												
WAREHAM	559	13	58	16	293.2	30												
JERSEY AIRPORT	606	3	56	2	331.2	30	245	1	51	2	154.2	30	763	3	83	2	429.6	30
ALDERGROVE	456	12	69	30	241.7	30	231	7	67	30	140.2	30	618	12	101	30	329.9	30

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

SEPTEMBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (MGHT) OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	WEATHER (NUMBER OF DAYS) SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
0 SCOTLAND N																															
SHETLAND																															
BALTASOUND	9 9	24	11.6	6.9	9.3	-1.4	14.8	2	3.6	13	9.6	-	115	108	17	13	21	16	1	0	0	0	0	0	0	-	-	7	3.94	128	-
FAIR ISLE	9 9	57	11.4	8.2	9.8	-	14.2	28	5.1	9	10.4	10.4	96	-	19	11	20	16	0	0	4	0	1	1	0	0	-	9	3.79	-	-
LERWICK	21-9	82																													
PSYCHROMETER			11.4	7.3	9.3	-	14.4	4	3.5	18	-	-	121	-	23	11	21	16	0	0	0	2	0	2	0	0	0	5	3.66	111	-
SCREEN			11.5	7.2	9.3	-1.3	14.6	4	3.7	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORKNEY																															
KIRKWALL AIRPORT	21-9	26	12.5	7.8	10.1	-1.3	15.8	28	4.0	9	-	-	84	86	16	9	18	14	0	0	0	4	0	0	0	0	0	5	3.20	90	-
WEYLAND	9 9	24	12.7	8.1	10.4	-	15.8	3	4.8	13	11.3	-	87	-	13	11	19	16	1	0	0	1	0	0	0	0	-	3	-	-	-
WESTERN ISLES																															
BENBECULA	21-9	6	13.6	8.6	11.1	-1.0	15.8	24	1.4	18	-	-	101	-	14	27	20	18	0	0	0	0	0	0	0	5	4	2	4.23	112	-
STORNOWAY	21-9	3	13.0	7.9	10.5	-1.1	15.7	25	3.0	18	-	-	119	-	15	1	19	18	0	0	0	2	0	0	0	2	0	2	4.48	127	-
HIGHLAND																															
ACHANY	9 9	107	13.7	5.9	9.8	-	17.5	1	1.0	18	10.7	-	106	-	21	29	21	15	0	0	0	0	0	1	0	6	-	3	3.26	-	-
ACHNASHELLACH	9 9	67	14.3	7.0	10.7	-1.0	18.7	18	0.5	16	-	-	274	134	50	29	19	18	0	0	0	0	0	0	0	-	-	0	-	-	-
BALMACARA	9 9	4	14.5	8.3	11.4	-	18.2	24	3.7	18	-	-	176	106	26	1	19	18	0	0	0	0	0	0	0	-	-	2	-	-	-
CAPE WRATH	21-9	112	11.8	8.4	10.1	-1.2	16.8	26	4.2	29	-	-	113	102	13	9	21	19	0	0	0	0	0	1	0	0	0	5	3.70	-	-
CASSLEY	9 9	99	13.6	6.6	10.1	-	16.5	26	1.5	18	-	-	219	-	47	29	20	19	-	-	-	-	-	-	0	7	-	-	-	-	-
CORPACH	9 9	8	15.3	7.4	11.3	-	19.1	18	2.4	17,20	-	-	274	-	77	1	18	18	0	0	0	0	0	0	0	3	-	0	-	-	-
CRAIGDARROCH	9 9	38	14.8	6.3	10.5	-	18.5	1	0.0	16	-	-	92	-	15	30	18	14	0	0	0	0	0	0	0	6	-	0	-	-	-
DALCROSS	9 9	11	14.3	8.0	11.1	-	18.6	1	2.1	18	-	-	57	-	11	5	15	12	-	0	-	-	-	0	0	2	-	0	-	-	-
DALWHINNIE	9 9	351	12.6	4.9	8.7	-	16.6	14	-3.1	16	-	-	119	-	21	29	19	16	0	0	0	1	0	4	3	5	-	0	2.41	-	S
DIABAIG	9 9	46	14.3	8.2	11.3	-	18.4	24	4.8	20	-	-	159	-	25	5	19	18	0	-	0	2	0	-	0	-	-	4	-	-	S
DOUNREAY	9 9	21	13.7	7.7	10.7	-	19.0	1	3.0	19	-	-	76	90	15	11	18	13	0	0	0	0	0	0	0	0	-	0	3.24	-	-
FORT AUGUSTUS	9 9	21	14.1	7.6	10.9	-1.0	18.3	14	2.0	16.18	-	-	134	-	17	29	18	18	0	0	0	0	0	0	0	-	-	0	2.26	75	-
FORTROSE	9 9	5	14.1	9.0	11.5	-1.2	17.0	1,2	5.0	16	-	-	57	105	8	5	14	12	-	0	-	-	-	1	0	-	-	-	3.39	92	-
GLENMORE LODGE	9 9	341	12.9	5.6	9.3	-	17.0	1,14	-1.7	19	-	-	60	65	10	5	21	14	0	0	0	0	0	3	3	7	3	1	3.31	-	S
GRANTOWN-ON-SPEY	9 9	229	13.6	5.8	9.7	-	18.4	14	-0.9	16	-	-	52	-	12	5	19	11	0	0	0	0	0	0	1	11	-	0	3.05	-	-
HEASTE	9 9	109	13.6	7.3	10.5	-	17.0	24	2.9	16	-	-	195	-	30	10	20	19	0	0	0	0	0	0	0	0	-	3	-	-	-
INVERNESS	9 9	4	14.8	8.5	11.7	-	17.5	5,14,26	3.0	18	-	-	60	106	12	5	16	12	0	0	0	0	0	0	0	0	-	0	3.31	-	-
INVERPOLLY	9 9	14	14.1	7.6	10.9	-	18.8	26	2.7	17	11.5	-	132	-	17	5	20	19	0	0	0	0	0	0	0	-	-	0	-	-	-
ISLE OF RHUM	9 9	5	14.2	8.1	11.1	-	16.3	24	1.9	18	12.9	13.2	273	100	41	27	20	19	0	0	0	0	0	0	0	6	-	6	-	-	-
KEISS	9 9	30	13.2	7.0	10.1	-	16.5	2	2.1	7	11.3	11.6	70	-	13	30	18	15	0	0	0	0	0	0	0	0	-	2	3.81	-	-
KNOCKANROCK	9 9	244	12.3	6.3	9.3	-	16.2	26	1.8	17,20	-	-	205	107	32	29	20	19	0	0	0	4	0	0	0	3	-	3	-	-	-
LAGGANLIA	9 9	250	13.6	6.1	9.9	-	17.6	14	-1.2	18	-	-	64	-	12	5	20	14	0	0	0	0	0	0	2	4	-	2	-	-	-
LAIRG	9 9	107	13.8	5.9	9.9	-	16.8	1	0.6	18	10.4	10.3	109	-	19	29	19	17	0	0	1	0	0	1	0	3	-	0	-	-	-
LENTRAN	9 9	146	13.5	6.6	10.1	-	16.8	26	-0.1	18	-	-	67	-	13	5	19	14	0	0	0	0	0	0	1	5	-	12	-	-	-
NAIRN	9 9	6	14.8	7.6	11.2	-0.9	18.4	1	2.5	18	-	-	54	102	10	5	16	12	0	0	0	0	0	0	0	0	-	7	3.53	91	-
ONICH	9 9	15	15.1	7.0	11.1	-1.0	19.0	15.18	0.0	17	-	-	263	126	30	29	18	18	-	0	-	-	-	8	0	1	-	-	2.57	91	S
POOLEWE	9 9	6	14.1	8.2	11.1	-	17.8	25	1.3	17	-	-	147	-	16	5	21	19	0	0	0	3	0	0	0	0	-	9	3.70	-	-
PRABOST	9 9	67	13.4	7.3	10.3	-	16.2	24	3.3	18	-	-	158	88	19	29	21	19	0	0	0	4	0	0	0	7	-	9	3.52	-	-
RUBH RE	21-9	16	13.1	9.1	11.1	-	17.8	24	5.5	17	-	-	105	-	12	5	20	18	0	0	0	0	0	0	0	0	0	8	-	-	-
STRATHCONON	9 9	107	14.1	6.0	10.1	-	16.7	1,4	-1.3	18	-	-	134	-	21	30	18	17	0	0	0	0	0	-	2	5	-	0	-	-	-
TARBATNESS	21-9	18	13.8	8.5	11.1	-1.0	18.0	2,28	4.4	9	-	-	50	-	12	5	15	10	0	0	0	0	0	0	0	-	-	0	-	-	-
TOMATIN	9 9	311	12.7	5.7	9.2	-	17.0	11	-0.5	18	-	-	64	-	11	10	18	14	0	-	0	0	0	0	2	-	-	0	-	-	-
TORRISDALE	9 9	27	13.2	7.5	10.3	-	17.2	26	-0.1	18	-	-	91	-	26	11	21	14	0	0	0	1	0	0	1	1	-	3	3.82	-	-
WICK	21-9	36	12.9	7.7	10.3	-1.2	17.5	2	1.9	18	-	-	62	89	12	9	17	12	0	0	0	1	0	0	0	2	0	2	3.68	97	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HGHT OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	BRIGHT SUNSHINE EXPOSURE
1 SCOTLAND E																																
GRAMPIAN																																
ABERDEEN																																
DYCE AIRPORT	21-9	58	14.4	7.9	11.1	-0.6	20.2	14	3.2	13	-	-	63	93	14	5	15	11	0	0	0	1	0	0	0	1	0	0	3.40	86	-
MANNOFIELD	9	16	-	-	-	-	-	-	-	-	-	-	55	81	12	5	13	7	0	0	0	0	0	0	-	0	-	0	-	-	-
BALMORAL	9	283	13.4	6.2	9.8	-0.7	18.4	14	-2.7	18	-	-	52	73	13	5	13	11	0	0	0	0	-	1	4	0	-	0	-	-	-
BANCHORY	8	77	14.8	7.3	11.1	-	21.3	11	1.5	7	-	-	49	-	10	27	12	10	0	0	0	0	0	0	0	0	0	1	3.19	-	-
BANFF	9	24	14.0	8.9	11.5	-	20.0	11	5.6	13	-	-	57	87	11	9	16	12	0	0	0	0	0	0	0	-	-	1	2.52	-	-
BRAEMAR	9	339	13.3	6.1	9.7	-0.6	18.8	11	-2.3	18	-	-	63	78	13	27	17	11	-	0	-	-	-	0	3	10	-	-	3.32	101	-
CLASHNOIR	9	338	12.5	5.8	9.1	-	18.6	11	0.7	18	9.8	-	51	-	12	10	18	11	0	0	0	0	0	1	0	6	-	2	3.10	-	-
CRAIBSTONE	9	91	14.1	7.6	10.9	-0.8	19.1	11,14	3.0	13	11.7	11.9	62	92	15	5	14	11	0	0	0	0	0	1	0	0	-	0	3.38	83	-
CULTERTY	9	3	14.6	7.8	11.2	-	18.8	11	1.6	13	-	-	70	123	14	5	16	9	0	-	-	0	0	0	0	0	-	0	-	-	-
ELGIN	9	15	14.5	8.2	11.3	-	20.0	1	4.5)	29	-	-	59	93	13	30	14	11	-	-	-	-	-	0	0	0	-	-	2.98	-	-
FOREHILL	9	40	13.7	7.8	10.7	-	18.5	11	4.0	9	-	-	86	-	23	11	16	12	0	-	-	0	0	0	0	0	-	0	-	-	-
FORRES	9	5	14.9	8.4	11.7	-0.6	20.3	1	4.8	9	12.5	13.3	53	-	11	9	18	14	0	0	0	0	0	0	0	0	0	1	2.71	-	-
FRASERBURGH	21-9	19	13.7	8.7	11.2	-	19.0	11	5.6	7	-	-	60	104	11	9	18	14	0	0	0	0	0	0	0	0	0	0	-	-	-
FYVIE CASTLE	9	55	14.0	6.8	10.4	-	18.5	11	2.0	13,21	-	-	70	103	13	6,27	20	14	0	-	-	-	-	-	0	2	-	7	-	-	-
GARTLY	9	146	13.7	7.2	10.5	-	19.8	11	2.5	13	-	-	62	-	10	9	19	13	-	-	-	-	-	-	0	0	-	-	-	-	-
GLENLIVET	21-9	215	13.4	6.4	9.9	-	19.6	11	0.4	16	-	-	60	73	10	10	20	13	0	0	0	0	0	0	0	2	0	0	3.23	-	S
INVERURIE	9	54	14.8	6.9	10.9	-	20.5	11	2.0	13	-	-	57	-	16	5	14	9	0	0	0	0	0	0	0	5	-	0	2.88	-	-
KEITH	9	106	14.0	6.9	10.5	-	20.2	11	2.9	9	-	-	53	-	9	5	16	10	0	-	-	0	0	-	0	0	-	0	3.12	-	-
KINLOSS	21-9	5	14.5	8.5	11.5	-0.8	19.7	1	5.3	29	12.4	-	51	92	11	5	16	10	0	0	0	0	0	0	0	0	0	1	2.83	-	-
LOSSIEMOUTH	21-9	6	14.5	8.1	11.3	-	20.9	1	3.3	9	-	-	50	88	9	5	18	11	0	0	0	0	0	0	0	0	0	2	-	-	-
TAYSIDE																																
ARBROATH	9	28	14.8	8.9	11.9	-	21.0	14	3.9	18	-	-	50	88	25	27	12	7	0	0	0	0	0	0	0	1	-	0	4.02	91	-
ARDTALNAIG	9	130	14.5	7.2	10.9	-	19.0	14	0.2	17	-	-	134	110	21	29	17	16	0	0	0	0	0	0	0	3	-	0	2.96	-	-
DRUMMOND CASTLE	9	113	14.9	7.2	11.1	-	19.8	14	-0.8	16	12.6	-	129	-	32	27	16	15	0	0	0	0	0	-	1	7	-	0	3.35	-	-
DUNDEE	9	45	15.9	7.8	11.9	-0.6	22.0	14	2.7	18	12.5	-	49	72	17	27	15	10	0	0	0	0	0	1	0	-	-	0	3.87	99	-
FASKALLY	9	94	15.4	6.9	11.1	-	19.5	11	-0.8	17	12.3	12.7	73	87	17	27	17	12	0	0	0	0	0	0	2	8	-	0	-	-	-
KINDROGAN	9	259	13.9	4.9	9.4	-	18.3	14	-2.0	19	-	-	94	-	21	27	19	14	0	0	0	0	0	0	6	10	-	0	-	-	-
KINROSS	9	116	14.5	5.9	10.2	-	19.2	14	-1.7	16	11.3	-	97	-	29	27	17	15	-	0	-	-	-	-	2	3	-	-	3.13	-	-
MONTROSE	9	57	14.7	8.2	11.5	-	21.9	14	4.0	9	-	-	45	70	16	27	14	8	0	0	0	0	0	0	0	0	-	0	-	-	-
MYLNEFIELD	9	30	15.3	8.4	11.9	-	21.6	14	1.5	18	11.9	12.0	55	87	17	27	15	9	0	0	0	0	0	0	0	4	-	0	3.77	-	-
PERTH	9	23	15.6	6.4	11.0	-1.3	20.8	14	-0.7	16	-	-	61	83	18	27	13	11	-	0	-	-	-	0	1	8	-	-	3.08	83	-
STRATHALLAN	9	41	15.8	8.0	11.9	-	21.0	14	0.0	16	-	-	67	-	18	27	13	12	0	0	0	0	0	0	0	-	-	3	-	-	-
USAN	21-9	30	14.5	8.3	11.4	-	22.0	14	2.9	18	-	-	43	-	19	27	12	8	0	0	0	0	0	0	0	0	0	0	3.66	-	-
WHITEHILLOCKS	9	258	14.3	6.3	10.3	-	19.9	11	-0.6	19	-	-	87	88	25	27	18	11	0	0	0	0	0	2	7	-	0	-	-	-	S
FIFE																																
BELLISTON	9	82	14.6	8.4	11.5	-	20.0	14	3.3	9	12.5	-	57	83	25	27	15	10	0	0	0	0	0	3	0	2	-	0	-	-	-
CUPAR	9	36	15.2	7.8	11.5	-	20.8	14	-0.9	16	12.1	-	56	-	20	27	15	11	0	0	0	0	-	2	3	-	0	3.25	-	S
GLENROTHES	9	117	14.4	7.8	11.1	-	19.2	14	0.5	16	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	3.41	-	-
LEUCHARS	21-9	10	15.1	8.2	11.7	-0.8	22.2	14	0.6	16	-	-	46	80	19	27	14	10	0	0	0	0	0	0	0	2	2	1	3.78	87	-
PITREAVIE	21-9	40	14.8	8.8	11.8	-	19.3	14	2.0	16	-	-	86	124	23	27	16	12	0	0	0	0	0	0	0	2	0	2	-	-	-
ST ANDREWS	9	18	15.2	9.0	12.1	-	21.3	14	3.0	16	12.4	12.5	51	86	21	27	16	10	0	0	0	0	0	0	0	2	-	0	3.72	-	-
LOTHIAN																																
BLACKBURN SEWAGE WORKS	9	131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BUSH HOUSE	9	184	14.0	7.8	10.9	-	18.4	11	0.2	16	11.9	12.3	77	95	21	27	17	12	0	0	0	0	1	0	0	2	-	0	2.85	-	-
DUNBAR	9	23	15.4	9.3	12.3	-0.5	21.3	11	4.6	9,18	-	-	42	84	16	27	11	7	0	0	0	0	0	0	0	0	-	0	3.38	73	-
EDINBURGH																																
EAST CRAIGS	9	61	15.3	8.0	11.7	-	19.5	11	1.5	16	12.6	-	58	-	19	27	12	10	0	0	0	0	0	0	0	3	-	0	3.09	-	-
ROYAL BOTANIC GARDEN	9	26	15.5	9.2	12.3	-0.5	19.4	11	3.5	18	12.9	-	63	97	21	27	16	10	0	0	0	0	1	0	0	4	-	0	3.00	75	-
ROYAL OBSERVATORY BLACKFORD HILL	9	134	14.8	8.5	11.7	-0.9	18.9	11	4.0	18	-	-	56	89	17	27	17	12	0	0	0	0	0	0	0	0	-	4	3.17	78	-
TURNHOUSE AIRPORT	21-9	35	15.4	8.7	12.1	-0.3	19.8	11	1.1	16	-	-	61	94	19	27	15	10	0	0	0	1	0	0	0	6	1	0	3.03	81	-
HADDINGTON	9	49	15.2	8.4	11.8	-	20.7	11	0.9	18	-	-	56	106	20	27	16	11	0	0	0	0	0	0	0	-	-	0	-	-	-
LIVINGSTON	9	125	14.7	7.4	11.1	-	18.4	15	-0.2	17	11.3	-	94	-	23	27	18	15	0	0	0	0	0	0	2	6	-	0	-	-	-
NUNRAW ABBEY	9	195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PATHHEAD	9	131	14.5	8.1	11.3	-	19.6	11	1.3	18	11.5	-	60	-	19	27	14	9	0	0	0	0	0	0	0	2	-	0	-	-	-
PENICUIK	9	189	14.3	7.3	10.8	-0.9	18.2	1	-0.7	16	11.7	-	87	102	23	27	17	14	0	0	0	0	0	1	2	-	0	2.23	62	-
BORDERS																																
BLYTH BRIDGE	9	253	13.3	7.1	10.2	-	17.5	11	0.4	18	-	-	113	130	22	27	18	14	0	0	0	0	0	1	0	4	-	1	2.47	-	-
BLYTHE	9	262	13.8	7.0	10.4	-	19.4	11	0.5	9	-	-	69	92	16	27	19	14	-	0	-	-	-	0	0	4	-	-	3.03	-	-
BONCHESTER BRIDGE	9	146	15.1	7.1	11.1	-	19.1	6	-0.5	9,16	-	-	58	-	12	1	17	13	0	0	0	0	0	0	2	-	-	0	-	-	-
BOWHILL (SELKIRK)	9	168	14.6	7.3	10.9	-	20.0	11	0.0	16	-	-	75	94	14	27	19	14	0	0	0	0	2	0	0	-	-	2	-	-	-
FLOORS CASTLE	9	59	15.4	8.0	11.7	-	20.0	11	1.1	16	-	-	39	64	8	5	15	12	0	0	0	0	0	0	0	-	-	0	-	-	-
GALASHIELS	9	198	14.3	7.9	11.1	-	20.1	11	1.5	16	-	-	79	-	18	27	19	12	0	0	0	0	0	0	0	0	-	0	3.21	-	S
GLENTRESS	9	165	14.6	7.0	10.8	-	20.0	11	0.0	9	-	-	70	90	12	27	20	15	-	0	-	-	-	0	0	-	-	-	-	-	-
GREYCROOK	9	76	15.5	7.6	11.5	-	21.5	11	0.5	16	12.9	-	47	-	10	5	16	11	0	0	0	0	0	0	0	2	-	0	-	-	-
KELSO	9	34	15.8	8.5	12.1	-	20.6	11	1.6	16	-	-	38	-	9	5	16	10	0	0	0	0	0	0	0	2	-	0	-	-	-
LEITHOLM	9	64	15.5	7.6	11.5	-	21.0	11	0.7	16	11.9	-	42	-	9	5	15	11	0	0	0	0	0	1	0	5	-	3	3.12	-	-
ST ABBS HEAD	9	75	14.8	9.8	12.3	0.0	21.6	11	3.6	18	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	-	9	-	-	-
STANHOPE FARM	9	226	13.8	7.6	10.7	-	18.5	11	0.4	18	-	-	141	131	26	5	20	17	0	0	0	0	0	0	1	1	-	0	-	-	-
WEST LINTON	9	244	13.8	7.0	10.4	-0.5	17.7	11	-0.2	18	11.2	12.1	133	149	23	27	21	15	0	0	0	0	0	2	1	3	-	0	-	-	-
WHITCHESTER	9	255	13.5	7.3	10.4	-	19.4	11	2.7	7	-	-	58	72	14	27	16	11	0	0	0	0	0	-	0	-	-	2	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	TERMINAL (LIGHT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE: 50 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
6 SCOTLAND W																																
STRATHCLYDE																																
ACHAGLACHGACH	9 9	12	14.9	8.0	11.5	-	17.7	18	1.5	19	-	-	222	128	36	10	20	19	0	0	0	0	0	0	0	6	-	1	-	-	-	
ARDS	9 9	37	14.8	7.4	11.1	-	17.2	17	2.0	19	-	-	(211)	-	30	5	(20)	(19)	-	-	-	-	-	-	0	7	-	-	-	-	-	
AUCHINCRUIVE	9 9	45	14.9	8.8	11.9	-0.8	18.1	11	1.6	18	12.6	12.7	134	130	22	9	18	14	0	0	0	0	0	0	0	1	-	0	3.39	94	-	
BARRHEAD	9 9	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BENMORE(YOUNGER BOTANIC GARDEN) ...	9 9	12	14.6	8.1	11.3	-	18.0	15	2.4	9	13.9	-	319	138	52	29	20	20	0	0	0	0	1	2	0	6	-	0	-	-	-	
BRODICK CASTLE	9 9	15	16.3	8.9	12.6	-	18.5	13	4.1	18	14.1	-	263	136	41	9	20	20	0	0	0	0	0	0	0	5	-	0	-	-	-	
CAMPS RESERVOIR ...	9 9	295	13.1	6.2	9.7	-	17.7	11	-2.9	19	-	-	154	125	25	27	20	18	0	0	0	0	1	1	1	-	-	6	2.54	-	-	
CARNWATH	9 9	208	13.7	6.4	10.1	-	17.7	11	-1.9	9.18	11.4	-	109	129	22	30	17	15	0	0	0	0	0	0	4	7	4	8	-	-	-	
COLONSAY	9 9	35	14.2	8.9	11.5	-	16.0	19.25	2.6	18	-	-	147	-	27	9	20	17	0	0	0	2	0	0	0	-	-	4	-	-	-	
CRAWFORDJOHN	9 9	274	13.7	6.4	10.1	-	17.0	11	-2.4	19	11.4	-	-	-	-	-	-	-	0	0	0	0	0	1	1	4	2	0	2.62	-	-	
CUMNOCK	9 9	99	14.6	7.2	10.9	-	19.3	11	-0.5	17.18	12.8	-	170	-	29	30	17	17	0	0	0	0	0	0	2	4	-	0	2.66	-	-	
DUNSTAFFNAGE	9 9	3	14.4	8.3	11.3	-	16.9	15	1.6	16	-	-	204	-	26	5	20	18	0	0	0	0	0	0	0	3	-	3	-	-	-	
EAST KILBRIDE	9 9	178	14.0	7.9	10.9	-	17.0	15	1.2	18	-	-	177	-	38	29	16	16	0	0	0	0	-	0	5	-	-	0	3.33	-	-	
FINNART	9 9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GIRVAN	9 9	8	15.2	9.6	12.4	-	18.6	11	2.7	19	-	-	113	116	23	27	15	13	0	0	0	0	0	0	0	0	-	5	3.24	-	-	
GLASGOW																																
ABBOTSINCH AIRPORT ...	21-9	5	15.1	8.4	11.7	-1.0	18.7	15	0.7	17	-	-	136	-	21	29	17	15	0	0	0	0	0	0	0	7	1	0	3.43	97	-	
SPRINGBURN PARK ...	9 9	107	14.3	8.3	11.3	-1.0	18.0	15	2.5	16	-	-	165	147	25	30	18	16	0	0	0	0	1	0	4	-	0	0	3.18	99	-	
WEATHER CENTRE (X)	21-9	40	15.0	10.0	12.5	-	19.1	15	5.1	16	-	-	130	-	19	29	17	16	0	-	0	0	0	0	-	-	-	0	3.17	-	-	
GREENOCK	9 9	61	-	-	-	-	-	-	-	-	-	-	224	151	46	29	20	17	-	-	-	-	-	-	-	-	-	-	-	-	-	
HELENSBURGH	9 9	89	14.1	7.3	10.7	-1.5	17.8	15	2.5	17	-	-	176	125	36	29	18	17	-	0	-	-	-	0	0	-	-	-	3.29	-	-	
HUNTERSTON	9 9	8	14.8	9.3	12.1	-	16.4	17,24	4.8	19	-	-	147	-	(32)	9	16	16	0	0	0	0	0	0	0	-	-	6	-	-	-	
KILDONAN	9 9	18	14.4	9.2	11.8	-	16.5	15	4.8	9	-	-	167	-	31	9	20	18	0	-	0	0	0	0	0	0	0	2	3.76	-	-	
KNAPDALE FOREST ...	9 9	12	14.6	7.7	11.1	-	17.6	11	0.6	18	-	-	204	-	31	9	20	20	0	0	0	0	0	4	0	4	-	1	-	-	-	
LANARK	9 9	152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LEADHILLS	9 9	388	12.7	5.6	9.1	-	16.5	11	-1.2	19	-	-	250	151	42	27	18	18	0	0	0	0	1	0	2	7	-	6	-	-	-	
MACHRIHANISH	21-9	10	14.4	9.4	11.9	-	18.5	11	2.7	18	-	-	106	86	19	9	19	14	0	0	1	0	1	0	0	3	0	3	3.26	-	-	
MILLPORT	9 9	5	15.2	9.1	12.1	-	17.0	4,11	5.2	9	-	-	159	133	43	9	18	17	0	-	0	0	0	0	0	-	-	0	-	-	-	
PAISLEY	9 9	32	15.3	9.3	12.3	-0.8	19.1	15	3.9	17	12.6	13.5	160	142	29	29	17	17	0	0	0	0	0	0	0	0	-	0	3.27	92	-	
PRESTWICK	21-9	16	14.9	8.7	11.8	-	18.0	11	0.4	17	-	-	126	125	22	9	19	17	0	0	0	0	0	0	0	3	3	0	3.28	-	-	
RHUVAAL	21-9	20	13.8	9.6	11.7	-	16.6	11	6.4	18	-	-	182	130	33	9	21	20	0	0	0	0	0	0	0	0	0	3	-	-	-	
ROTHESAY	9 9	43	14.8	9.1	11.9	-	17.5	11,15	4.0	9	12.3	12.4	210	147	44	9	19	17	0	0	0	0	0	0	0	1	-	0	-	-	-	
SLOY	21-9	12	14.7	8.6	11.7	-	19.7	15	1.6	17	-	-	377	-	55	29	20	18	0	-	0	0	0	0	0	-	-	0	-	-	-	
STRONACHULLIN	9 9	2	14.8	8.6	11.7	-	17.1	15,16	3.4	18	-	-	226	-	30	9	20	19	0	0	0	0	0	0	0	0	-	0	-	-	-	
TIREE	21-9	9	13.9	9.3	11.6	-0.9	16.0	1	5.2	16	-	-	120	94	23	9	19	15	0	0	0	2	0	0	0	5	1	4	3.73	96	-	
CENTRAL																																
ARROCHYMORE	9 9	30	15.0	8.1	11.5	-	19.1	15	0.5	17	-	-	217	-	48	29	18	17	-	0	-	-	-	0	0	6	-	-	3.12	-	-	
CALLANDER	9 9	107	14.7	7.2	10.9	-	19.6	15	0.1	16	-	-	217	141	35	27	17	16	0	0	0	0	0	0	0	3	-	0	-	-	-	
EARLS HILL	21-9	335	12.5	6.5	9.5	-	17.1	15	0.0	16	-	-	207	-	34	27	18	16	0	0	-	0	0	0	0	5	3	4	3.28	-	-	
FALKIRK	9 9	3	15.5	8.7	12.1	-	20.4	15	1.8	18	-	-	119	-	25	27	16	15	0	0	0	0	0	1	0	-	-	0	3.10	-	-	
GRANGEMOUTH	9 9	4	9.3	7.5	8.4	-	13.5	15	1.0	9.17	-	-	103	-	25	27	16	14	0	0	0	0	0	0	0	-	-	0	-	-	-	
PARKHEAD	9 9	107	15.4	7.9	11.7	-	19.9	15	0.9	18	12.8	-	110	-	23	27	15	14	-	0	-	-	-	0	0	-	-	-	-	-	-	
STIRLING(BATTERFLATS)	9 9	38	16.0	7.7	11.9	-	21.8	15	0.3	16	13.5	13.5	117	-	27	27	17	14	0	0	0	0	0	0	0	6	-	0	3.46	-	-	
DUMFRIES & GALLOWAY																																
BARGRENNAN	9 9	110	14.9	6.7	10.8	-	19.4	11	-1.8	19	-	-	156	101	37	27	19	15	0	0	0	0	0	1	3	9	-	0	-	-	-	
CLATTERINGSHAWS ...	9 9	178	13.8	7.3	10.5	-	16.8	18	-0.3	19	-	-	245	123	37	27	19	16	0	0	0	0	0	1	1	-	-	6	2.71	-	-	
DUMFRIES	9 9	49	15.2	8.9	12.1	-0.4	19.0	11	1.9	19	13.1	13.2	98	88	23	27	15	11	0	0	0	0	1	0	0	3	-	0	3.68	102	-	
DUNDEUGH	9 9	119	14.8	6.9	10.9	-	19.7	11	-3.2	19	12.0	-	183	124	39	27	17	15	0	0	0	0	0	0	3	-	-	0	-	-	-	
ESKDALEMUIR	21-9	242																														
PSYCHROMETER			13.3	7.4	10.3	-	17.6	15	0.6	7,13	12.3	12.3	212	141	37	27	18	15	0	0	0	0	2	0	0	5	1	2	2.67	83	-	
SCREEN			13.5	7.6	10.5	-0.6	18.0	15	0.7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	
GIRDSTINGWOOD	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.68	-	-	
GLENLEE	9 9	55	15.2	7.7	11.5	-0.6	18.9	15	-2.0	19	-	-	177	115	33	27	16	15	-	0	-	-	-	0	1	8	-	-	-	-	-	
GLENLOCHAR BARRAGE ...	9 9	47	15.2	8.5	11.9	-	19.1	15	1.4	19	-	-	138	107	33	27	17	15	0	0	0	0	1	0	0	-	-	3	-	-	-	
PALNURE	9 9	15	15.2	7.9	11.5	-	18.8	11	0.0	19	-	-	117	86	28	27	17	17	0	0	0	0	0	0	0	6	-	1	-	-	-	
PENNHIRN	9 9	166	13.9	7.1	10.5	-	17.0	11	1.0	9,19	-	-	142	94	38	27	20	17	-	0	-	-	-	1	0	5	-	-	3.27	-	-	
THREAVE	9 9	73	15.1	8.7	11.9	-	18.8	15	0.6	19	13.1	-	143	110	26	27	16	15	0	0	0	0	1	0	0	7	-	0	-	-	-	
2 ENGLAND E & NE																																
NORTHUMBERLAND																																
BOULMER	21-9	23	15.6	8.9	12.3	-	21.5	6	4.4	9,13	12.3	12.5	15	-	6	9	12	4	0	0	0	0	0	0	0	3	½	1	3.33	-	-	
COCKLE PARK	9 9	99	15.7	8.3	12.0	-	20.7	6	3.0	16	11.8	-	26	-	13	6	10	6	0	0	0	0	1	0	0	3	-	1	3.18	-	-	
HAYDON BRIDGE	9 9	79	15.6	8.4	12.0	-	20.3	6	1.1	16	13.0	13.5	34	49	8	9	16	7	0	0	0	0	0	0	0	-	-	0	-	-	-	
KIELDER CASTLE	9 9	201	13.7	6.7	10.2	-0.9	17.3	6,15	-1.0	9,16	12.3	-	114	94	23	1	19	14	0	0	0	0	1	1	3	-	-	3	-	-	-	
LETHAMHILL FARM ...	9 9	76	(15.2)	(7.5)	(11.3)	-	20.7	11	2.1	13	-	-	29	-	6	5	14	9	-	-	-	-	-	0	3	-	-	-	-	-	-	
REDESDALE	9 9	238	13.6	6.8	10.2	-	18.0	6	0.9	9,16	10.8	-	55	-	10	30	17	11	-	0	-	-	-	1	0	7	-	-	2.89	-	-	
SEAHOUSES	21-9	11	15.6	9.8	12.7	-	21.6	6	4.6	9	-	-	16	29	5	9	13	7	0	0	0	0	0	0	0	0	0	1	3.44	-	-	
STONEHAUGH	9 9	201	14.2	6.9	10.5	-	19.0	15	-0.5	16	-	-	82	-	17	5	16	12	0	0	0	0	0	0	1	8	0	0	-	-	-	
TYNE & WEAR																																
CHOPWELLWOOD	9 9	136	15.5	8.7	12.1	-0.6	22.0	6	3.0	16	-	-	17	26	3	25.30	12	7	0	0	0	0	0	0	0	0	-	0	-	-	-	
NEWCASTLE																																
WEATHER CENTRE (X)	21-9	75	15.7	9.9	12.8	-	21.8	6	5.3	13	-	-	21	-	8	25	8	6	0	0	0	0	0	0	0	-	0	0	3.34	-	-	
TYNEMOUTH	21-9	29	15.4	10.2	12.8	-0.5	22.1	6	4.9	13	-	-	16	28	8	25	9	2	0	0	0	0	0	0	0	0	-	0	3.06	76	-	
WASHINGTON	9 9	27	(16.3)	9.4	(12.9)	-	22.4	6	4.2	13	12.9	13.1	17	-	6	25	10	5	0	0	0	0	0	0	0	-	-	0	3.26	-	-	

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	RAINFALL: MOST IN A DAY: AMOUNT (MM)	RAINFALL: MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	ORASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
2 ENGLAND E & NE -CONTINUED																															
DURHAM																															
DURHAM	9 9	102	16.1	8.5	12.3	-0.5	21.5	6	2.7	13	12.7	13.0	16	28	6	25	11	5	-	0	-	-	-	0	0	1	-	-	2.87	71	-
LOW ETHERLEY	9 9	155	14.9	7.9	11.4	-	19.5	6	2.3	13	11.9	11.6	20	-	10	25	9	4	0	0	0	0	1	0	0	6	0	2	-	-	-
WIDDYBANK FELL	9 9	513	12.0	6.4	9.2	-	16.2	14	1.1	16	9.6	-	138	-	27	29	16	14	-	0	-	-	-	3	0	3	-	-	2.99	-	-
CLEVELAND																															
HARTBURN GRANGE ...	9 9	31	16.5	8.1	12.3	-	22.0	6	1.3	9,13	-	-	16	33	7	25	11	3	0	0	0	0	0	0	0	4	-	1	2.72	-	-
HARTLEPOOL	9 9	9	16.6	10.3	13.5	-0.3	21.2	6	5.5	13	-	-	9	18	3	25	10	3	0	0	0	0	0	0	0	-	-	0	3.26	-	-
NORTH YORKSHIRE																															
ASKHAM BRYAN	9 9	34	16.8	8.2	12.5	-	26.5	11	3.2	9	-	-	18	31	5	30†	14	6	0	0	0	1	2	0	0	3	-	0	3.32	87	-
CAWOOD	9 9	6	17.0	8.8	12.9	-	23.0	11	2.5	13	13.7	14.2	16	30	5	30	11	5	0	0	0	0	1	0	0	4	-	0	3.21	-	-
HIGH MONTHORPE	9 9	175	15.7	8.6	12.1	-	22.1	11	3.0	9	12.7	-	32	50	14	25	18	6	0	0	0	0	0	0	0	5	-	0	3.26	-	-
LEEMING	21-9	32	16.2	9.4	12.8	-	21.6	15	4.0	13	13.0	13.4	11	22	4	25	11	4	0	0	0	0	0	0	0	2	0	0	3.09	-	-
MALHAM TARN	9 9	395	(13.5)	-	-	-	19.6	15	-	-	11.8	-	121	88	26	30	17	12	0	0	0	0	0	0	-	4	-	0	-	-	-
PICKERING	9 9	44	16.5	8.2	12.3	-	21.4	11	1.3	13	-	-	16	28	4	25	13	5	0	0	0	0	1	0	0	3	-	0	-	-	-
SCARBOROUGH	9 9	53	16.3	10.0	13.1	-	21.7	6	5.7	13	13.3	13.6	20	39	10	25	12	5	0	0	0	0	0	0	0	0	0	1	3.60	82	-
SILPHO MOOR	9 9	203	15.1	8.2	11.7	-	20.5	6	3.7	13	11.8	-	18	25	4	30	17	7	0	0	0	0	0	0	0	0	-	0	3.47	-	-
SNAIZEHOLME	9 9	290	13.0	7.2	10.1	-	16.6	15	1.2	13	11.4	-	137	-	24	30	16	15	0	0	0	0	0	0	-	-	-	3	2.52	-	S
WHITBY	9 9	41	16.3	9.5	12.9	-	21.6	6	2.8	13	-	-	10	-	3	25	8	5	0	0	0	0	0	0	0	-	-	3	3.33	-	-
WHITBY(COASTGUARD) ...	21-9	60	15.7	9.7	12.7	-	21.1	6	3.2	13	-	-	12	-	4	25	8	4	0	0	0	0	2	1	0	0	0	0	-	-	-
YORK(HESLINGTON) ...	9 9	20	16.9	9.2	13.1	-	23.1	11	4.2	8	13.9	14.0	17	31	5	30	12	6	0	0	0	0	0	0	0	1	-	0	3.41	-	-
HUMBERSIDE																															
BRIDLINGTON	9 9	48	16.1	9.2	12.7	-	22.6	11	3.9	9	-	-	18	29	4	19	13	5	0	0	0	0	0	1	3	0	1	-	2	3.61	-	-
BRIGG	9 9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLEETHORPES	9 9	6	17.4	10.8	14.1	-0.2	24.2	11	6.2	9	-	-	15	31	5	25	9	5	-	0	-	-	-	0	0	-	-	-	-	-	-
HULL	9 9	2	17.6	10.4	14.0	-0.3	24.4	11	5.4	13	14.5	14.7	25	45	7	30	11	8	0	0	0	0	0	0	0	0	-	0	3.97	93	-
LINCOLNSHIRE																															
BINBROOK	21-9	108	16.4	9.1	12.7	-	23.2	11	4.4	23	-	-	27	45	8	30	13	9	0	0	0	0	1	0	0	1	0	0	3.99	-	-
CAISTOR	9 9	55	17.2	8.8	13.0	-	24.7	11	2.1	9	-	-	40	-	18	25	13	8	-	-	-	-	-	-	0	-	-	-	-	-	-
CRANWELL	9 9	62	17.1	9.3	13.2	-0.6	23.0	11	5.0	9	14.4	14.9	12	24	3	8	7	7	0	0	0	0	0	0	0	0	0	0	3.94	86	-
KIRTON	9 9	4	17.6	9.2	13.4	-	23.7	11	4.0	13	13.6	13.5	13	-	2	30	10	8	0	0	0	0	0	0	0	1	-	0	3.82	-	-
LINCOLN	9 9	7	17.4	8.9	13.1	-0.6	24.0	11	1.4	13	14.2	14.0	13	-	3	4	11	5	0	0	0	0	0	0	0	3	-	0	4.04	-	-
SKEGNESS	9 9	5	17.3	10.5	13.9	-0.2	24.5	11	6.7	13	-	-	13	25	3	8	9	6	0	0	0	0	0	0	0	0	-	0	4.18	87	-
SUTTON BRIDGE	9 9	4	(17.9)	(9.8)	(13.9)	-	23.4	11	3.9	4	-	-	24	50	9	19	12	8	0	-	0	0	0	0	0	0	-	0	-	-	-
WADDINGTON	21-9	68	17.1	9.8	13.5	-0.3	23.6	11	5.4	23	-	-	13	27	4	8	10	3	0	0	0	0	0	0	0	0	0	0	4.11	92	-
3 EAST ANGLIA																															
NORFOLK																															
COLTISHALL	21-9	17	18.0	10.5	14.3	-	25.0	11	5.9	27	-	-	16	31	8	2	10	4	0	0	0	0	0	0	0	0	0	0	-	-	-
CROMER	9 9	54	17.7	11.3	14.5	0.0	24.1	11	8.3	4	-	-	23	44	9	30	12	5	0	-	0	0	0	0	0	0	-	0	5.11	103	-
GORLESTON	9 9	4	17.8	10.7	14.3	-0.4	24.4	11	7.6	9	15.0	14.9	16	31	10	2	7	5	0	0	0	0	0	0	0	0	-	0	4.05	81	-
MARHAM	21-9	23	18.0	9.9	13.9	-	23.4	11	5.4	4	-	-	15	-	6	2	8	5	0	0	0	0	0	0	0	0	0	0	4.24	-	-
MORLEY ST BOTOLPH ...	9 9	48	18.0	9.4	13.7	-	23.9	11	4.7	18	14.5	-	15	-	9	2	9	3	0	0	0	0	0	0	0	0	0	0	4.34	-	-
SANTON DOWNHAM	9 9	24	18.0	7.4	12.7	-	23.4	11	-1.1	13	13.7	13.6	17	30	8	2	9	6	-	0	-	-	-	0	1	8	-	-	4.07	-	-
SCOLE	9 9	27	18.3	9.8	14.1	-	23.9	11	4.0	13.18	14.6	15.0	23	-	15	2	7	2	0	0	0	0	0	0	0	0	-	0	4.28	-	-
TERRINGTON ST CLEMENT	9 9	3	18.2	9.7	13.9	-0.2	24.1	11	4.5	4	14.1	-	20	43	7	18	11	7	0	0	0	0	0	0	0	0	-	0	4.08	89	-
CAMBRIDGESHIRE																															
BOXWORTH	9 9	53	17.6	9.8	13.7	-	23.6	11	5.9	9	-	-	16	33	6	2	12	6	0	0	0	0	0	0	0	0	-	0	4.17	-	-
CAMBRIDGE																															
BOTANIC GARDEN ...	9 9	12	(18.2)	(9.4)	(13.8)	(-0.6)	23.0	11	4.5	14	14.7	14.7	13	28	7	2	9	4	0	0	0	0	0	0	0	0	-	0	-	-	-
NATIONAL INSTITUTE OF AGRICULTURAL BOTANY	9 9	26	18.1	9.2	13.7	-	23.4	11	5.1	18	-	-	14	30	6	2	7	5	0	0	0	0	0	0	0	0	-	0	4.22	90	-
MARCH	9 9	2	(18.3)	(9.8)	(14.1)	-	23.9	11	5.9	9	-	-	17	36	4	18	12	5	-	0	-	-	-	0	0	-	-	-	-	-	-
NEPAL	9 9	-2	18.2	8.9	13.5	-	23.8	11	3.9	9	14.3	13.5	18	-	6	2	13	8	0	0	0	0	0	0	0	0	-	0	4.15	-	-
WITTERING	9 9	73	17.2	9.9	13.5	-	22.5	6	5.2	4	-	-	9	-	3	8	8	4	0	0	0	0	1	0	0	0	0	0	3.72	-	-
WYTON	21-9	40	17.7	10.3	14.0	-	23.6	11	5.9	9	-	-	24	50	5	25	10	7	0	0	0	0	1	0	0	0	0	0	-	-	-
SUFFOLK																															
ALDEBURGH	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BROOMS BARN	9 9	75	17.8	10.0	13.9	-	23.3	11	4.8	18	14.2	14.6	18	34	8	2	7	4	0	0	0	0	0	0	0	0	-	0	4.31	-	-
EAST BERGHOLT	9 9	4	(18.7)	(9.2)	(13.9)	-	24.0	11	3.8	14	-	-	14	30	11	2	4	2	-	-	-	-	-	-	0	0	-	-	-	-	-
HAUGHLEY	9 9	58	17.6	9.5	13.5	-	22.9	11	5.0	13	14.5	-	22	-	13	2	8	3	0	0	0	0	0	0	0	4	-	0	-	-	-
HONINGTON	21-9	50	17.8	9.8	13.8	-	23.2	11	5.2	13	-	-	15	29	9	2	8	3	0	0	0	0	0	0	0	0	0	0	4.27	-	-
LOWESTOFT	9 9	25	17.6	10.9	14.3	-0.4	23.9	11	7.7	14	14.9	14.8	19	38	12	2	8	5	0	0	0	0	0	0	0	0	0	0	4.15	83	S
WATTISHAM	21-9	89	17.3	9.3	13.3	-	22.9	11	5.0	13	-	-	18	35	11	2	7	4	-	0	-	-	-	0	0	2	0	-	4.36	-	-
BEDFORDSHIRE																															
CARDINGTON	21-9	29	18.0	9.2	13.6	-	23.3	11	2.1	13	14.4	14.4	14	30	5	2	11	4	0	0	0	0	1	0	0	3	0	0	4.11	-	-
LUTON	9 9	159	16.6	10.2	13.4	-	21.4	11	6.3	18	(14.4)	(14.5)	18	-	5	2	11	7	-	0	-	-	-	0	0	-	-	-	4.07	-	-
SILSOE	9 9	61	17.6	(9.6)	(13.6)	(-0.5)	22.8	11	2.9	13	13.9	14.4	14	30	5	2	10	4	0	0	0	0	1	1	0	1	0	-	4.07	86	-
WOBURN	9 9	89	17.4	9.3	13.3	-0.4	22.6	11	2.2	13	14.4	14.0	17	33	5	2	11	6	0	0	0	0	0	0	0	2	-	0	3.83	85	-
HERTFORDSHIRE																															
ALDENHAM SCHOOL ...	9 9	91	18.1	9.3	13.7	-	22.3	15	4.4	14	15.0	-	21	35	6	2,27	10	5	0	0	0	0	0	0	0	0	0	0	-	-	-
GARSTON	9 9	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HODDESDON	9 9	43	18.1	10.0	14.1	-	22.6	15	4.4	14	15.7	-	18	32	8	2	10	5	0	0	0	0	0	-	0	0	-	0	(4.20)	-	-
ROTHAMSTED	9 9	128	17.3	9.4	13.3	-0.4	22.4	11	4.6	14	14.2	13.7	23	39	5	25	12	6	0	0	0	0	1	0	0	0	-	0	3.96	89	-
ST ALBANS	9 9	83	17.2	9.7	13.5	-0.5	22.0	11	3.5	14	14.2	-	14	25	6	2	7	6	0	0	0	0	0	0	0	2	-	0	4.21	-	-
STANSTEAD ABBOTTS ...	9 9	30	-	-	-	-	-	-	-	-	-	-	17	32	7	2	10	6	-	0	-	-	-	0	-	-	-	-	-	-	-
ESSEX																															
CLACTON-ON-SEA	9 9	16	17.6	10.9	14.3	-0.8	21.3	14	6.7	18	15.3	15.0	11	21	3	22	7	4	0	0	0	0	0	0	0	0	-	0	4.65	90	-
HALSTEAD	9 9	70	17.9	10.0	13.9	-	22.8	11	5.0	18	14.4	14.6	16	-	11	2	12	1	0	0	0	0	0	0	0	0	-	0	-	-	-
HARLOW	9 9	79	18.1	9.8	13.9	-	22.5	15	4.6	14	-	14.5	18	34	6	2	9	6	0	0	0	0	0	0	0	0	-	0	4.03	-	-
LITTLE PARNDON	9 9	54	17.8	9.8	13.8	-	22.1	11	3.8	14	-	-	18	35	7	2	9	4	0	0	0	0	0	0	0	-	-	0	-	-	-
MALDON	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOEBURYNESS	21-9	2	17.8	11.1	14.5	-0.6	22.0	11	5.8	20	-	-	9	18	3	2	7	3	0	0	0	0	0	0	0	1	0	0	4.61	92	-
STANFORD-LE-HOPE ...	9 9	6	17.8	9.7	13.7	-	22.0	11	5.0	14	-	-	21	-	9	2	8	4	0	-	0	0	0	0	0	-	-	0	4.22	-	-
STANSTED	21-9	101	17.4	9.7	13.5	-	22.2	11	5.2	18	-	-	17	31	6	2	10	6	0	0	0	0	0	0	0	0	0	0	-	-	-
WRITTLE	9 9	32	18.0	9.3	13.7	-0.5	22.4	11	2.6	14	14.5	-	14	27	9	2	9	3	0	0	0	0	0	0	0	4	-	0	3.97	85	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

SEPTEMBER 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL (GMT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	BRIGHT SUNSHINE EXPOSURE
4 MIDLAND COUNTIES																																
WEST YORKSHIRE																																
BRADFORD	9 9	134	15.3	9.2	12.3	-0.8	20.8	6.11	4.4	9	13.0	13.6	41	55	17	30	16	10	0	0	0	0	1	0	0	1	-	0	3.63	99	S
BRAMHAM	9 9	54	16.8	8.7	12.7	-	22.9	11	4.0	13	-	-	18	31	7	30	15	5	0	0	0	0	1	0	0	1	-	0	-	-	-
HUDDERSFIELD																																
OAKES	21-9	232	15.7	8.3	12.0	-0.9	22.7	11	3.6	1	11.9	11.2	65	78	30	30	19	9	0	0	1	0	1	0	0	5	0	5	-	-	-
RAVENSKNOWLE	9 9	99	16.3	9.7	13.0	-0.4	21.5	6	4.5	13	14.0	14.0	47)(	72)	28	30	(13)(	7)	0	0	0	0	0	0	0	-	-	0	-	-	-
ILKLEY	9 9	83	(15.9)	8.5	(12.2)	(-0.9)	21.0	15	-1.5	7	-	-	44	51	19	30	14	9	0	0	0	0	0	5	1	1	0	0	3.50	94	-
TODMORDEN	9 9	160	15.2	9.0	12.1	-	21.0	11	2.9	9	-	-	96	-	31	30	17	13	0	0	0	0	0	0	0	-	-	2	-	-	-
PONTEFRACT	9 9	78	16.8	9.4	13.1	-0.4	22.8	11	5.6	9	-	-	17)(	33)	(5)	25	(11)(	3)	0	0	0	0	1	0	0	-	-	0	-	-	-
WILSDEN	9 9	262	14.5	8.2	11.3	-	20.0	11	4.2	9	-	-	61	-	24	30	16	11	0	0	0	0	3	0	0	0	0	0	-	-	-
SOUTH YORKSHIRE																																
FINNINGLEY	21-9	10	17.6	9.3	13.5	-	24.5	11	4.0	8	-	-	13	27	2	8.25	11	5	0	0	0	0	1	0	0	1	0	0	3.57	-	-
SHEFFIELD																																
DORE	9 9	206	16.0	9.0	12.5	-	22.3	11	5.7	9	-	-	50	-	21	30	15	9	0	0	0	0	1	0	0	0	-	0	-	-	-
WESTON PARK	9 9	131	16.6	9.7	13.1	-0.8	23.2	11	6.2	9	13.8	14.2	35	55	19	30	11	8	0	0	0	0	1	-	0	-	-	0	3.63	98	-
DERBYSHIRE																																
ASHOVER	9 9	178	15.9	9.1	12.5	-	21.5	11.15	3.9	9	-	-	27	-	7	30	13	7	0	0	0	0	1	0	0	0	-	0	3.76	-	-
BUXTON	9 9	307	14.3	8.2	11.3	-0.6	20.1	11	3.0	13	12.5	15.6	74	67	24	30	20	12	0	0	0	0	1	0	0	0	-	0	-	-	S
DERBY	9 9	48	17.4	10.1	13.7	-	23.0	11	5.0	4	-	-	26	44	8	30	9	6	0	0	0	0	0	0	0	0	-	0	3.57	-	-
MORLEY	9 9	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WINGERWORTH	9 9	126	16.4	8.6	12.5	-	22.5	11	3.0	13	14.1	-	25	-	6	30	14	6	0	0	0	0	1	0	0	4	-	0	3.99	-	-
NOTTINGHAMSHIRE																																
MANSFIELD	9 9	114	16.6	9.7	13.1	-0.4	23.0	11	5.0	23	-	-	31	-	14	25	13	7	0	0	0	0	0	0	0	0	-	0	-	-	-
NEWTHORPE	9 9	58	-	(9.9)	-	-	-	-	4.5	23	-	-	18	-	9	25	5	4	-	-	-	-	-	0	-	-	-	-	-	-	-
NOTTINGHAM	9 9	59	17.2	10.3	13.7	-0.4	24.0	15	6.0	9	14.1	14.5	27	53	10	25	6	5	0	0	0	0	1	0	0	0	-	0	3.56	91	-
SUTTON BONINGTON	9 9	48	17.4	9.6	13.5	0.0	22.4	11	3.8	13	14.0	14.0	23	45	9	30	11	5	0	0	0	0	1	0	0	1	0	0	3.96	99	-
WARSOP	9 9	46	17.4	8.8	13.1	-	25.0	15	1.9	13	-	-	21	42	8	25	12	6	0	0	0	0	1	0	0	5	-	0	3.75	-	-
WATNALL	21-9	117	16.7	9.6	13.1	-0.4	22.7	15	5.3	13	-	-	43	72	23	25	8	6	0	0	0	0	1	0	0	0	0	0	3.42	89	-
STAFFORDSHIRE																																
KEELE	9 9	179	15.5	8.8	12.1	-	20.6	6	5.2	8.18	12.7	12.8	47	65	8	30	14	10	0	0	0	0	1	0	0	0	0	0	3.05	-	-
OAKEN	9 9	125	16.2	8.8	12.5	-0.6	20.6	6	3.0	13	13.8	-	22	35	5	8	9	7	0	0	0	0	1	0	0	0	-	0	-	-	S
PENKRIDGE	9 9	101	16.5	8.1	12.3	-	21.4	11	1.6	13	-	-	23	38	4	30	13	8	0	0	0	0	0	0	0	0	-	0	-	-	-
STONE	9 9	107	16.1	8.9	12.5	-	21.2	6	3.0	13	-	-	26	39	8	30	13	8	0	0	0	0	0	0	0	2	-	0	3.14	-	-
LEICESTERSHIRE																																
CALDECOTT	9 9	52	17.4	9.0	13.2	-	23.8	11	1.3	13	-	-	10	20	4	25	9	3	0	0	0	0	1	0	0	2	-	0	3.59	-	-
NEWTOWN LINFORD	9 9	119	16.7	8.9	12.8	-	22.6	11	3.1	4	-	-	18	31	5	30	9	6	0	0	0	0	1	0	0	2	-	0	3.49	-	-
SALOP																																
HAMPTON LOADE	9 9	64	17.1	9.1	13.1	-	20.8	6.11	4.0	13.18	-	-	15	-	4	30	9	6	-	-	-	-	-	-	0	-	-	-	3.62	-	-
NEWPORT	9 9	64	16.7	9.2	12.9	-0.2	21.1	6	3.3	13	-	-	18	29	4	30	11	7	0	0	0	0	2	0	0	0	-	0	3.35	86	-
OSWESTRY	9 9	174	15.3	9.3	12.3	-0.7	20.0	14	5.5	19	-	-	40	53	13	30	13	8	0	0	0	0	0	0	0	2	-	0	3.01	79	S
PRESTON MONTFORD	9 9	67	16.7	8.9	12.8	-	21.1	14	3.6	13.17	14.4	14.0	32	-	9	30	9	6	0	0	0	0	0	0	0	2	-	0	3.34	-	-
SHAWBURY	21-9	72	16.4	8.8	12.6	-0.9	20.5	6	3.8	13	-	-	27	45	6	30	12	6	0	0	0	0	1	1	0	4	0	0	3.09	79	-
SHREWSBURY	9 9	56	16.5	9.8	13.1	-0.6	20.7	14	4.6	13	14.8	15.1	30	52	7	30	9	8	0	0	0	0	1	0	0	0	-	0	3.01	77	-
WEST MIDLANDS																																
BIRMINGHAM																																
EDGBASTON	21-9	163	16.1	10.3	13.2	-0.6	20.6	11	7.3	17	12.5	-	15	23	4	25	8	6	0	0	0	0	1	0	0	1	0	0	3.46	88	-
ELMDON AIRPORT	21-9	96	16.7	9.5	13.1	-0.3	21.9	11	2.9	13	-	-	12	-	3	30	8	4	0	0	0	0	1	0	0	1	0	0	3.64	87	-
KING EDWARD SCHOOL	9 9	137	16.4	9.9	13.1	-	21.4	11	5.7	13	-	-	14	23	3	24	9	5	-	0	-	-	-	0	0	-	-	-	-	-	-
COVENTRY AIRPORT	9 9	81	16.8	9.0	12.9	-	21.8	11	3.5	4.9	13.6	-	13	-	3	30	10	4	0	0	0	0	1	0	0	-	-	0	3.73	-	-
WARWICKSHIRE																																
LONG LAWFORD	9 9	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LUDDINGTON	9 9	56	17.2	9.4	13.3	-	22.1	11	2.7	13	-	-	7	-	3	1	5	3	0	0	0	0	0	0	0	0	-	0	4.08	-	-
MORETON MORRELL	9 9	85	16.8	9.6	13.2	-	21.8	11	3.8	13	-	-	9	16	3	1	7	4	0	0	0	0	0	0	0	2	-	0	3.53	-	-
RUGBY	9 9	117	17.2	9.5	13.3	-0.4	22.5	11	4.4	14	14.5	14.6	16	29	6	25	10	4	0	0	0	0	2	0	0	0	0	0	-	-	-
SHIPSTON-ON-STOUR	9 9	111	16.9	9.6	13.3	-0.5	22.3	11	4.5	13	13.8	-	12	21	3	1	8	5	0	0	0	0	0	0	0	3	-	3	3.85	87	-
STRATFORD-UPON-AVON	9 9	49	17.2	8.9	13.1	-0.6	22.4	11	1.9	4.13	14.8	-	9	16	3	1	5	3	-	0	-	-	-	0	0	1	-	-	3.52	83	-
WELLESBOURNE	9 9	47	17.3	9.6	13.5	-	22.5	11	2.5	13	14.0	14.2	17	34	11	25	7	3	-	0	-	-	-	0	0	0	0	-	3.84	-	-
NORTHAMPTONSHIRE																																
BUGBROOKE MILLS	9 9	69	(17.3)	(10.1)	(13.7)	-	(23.5)	11	6.0	9	(13.5)	-	8	16	5	1	8	2	-	-	-	-	-	0	-	-	-	-	-	-	-
MOULTON PARK	9 9	122	16.6	9.3	12.9	-	22.2	11	5.1	9	14.0	13.9	25	-	10	25	11	7	0	0	0	0	0	0	0	0	-	0	3.27	-	-
RAUNDS	9 9	59	17.9	9.4	13.7	-0.2	23.9	11	4.1	4	14.7	14.2	23	47	7	25	11	6	0	0	0	0	1	0	0	1	-	0	3.21	74	S
HEREFORD & WORCESTER																																
ASTWOOD BANK	9 9	139	17.0	9.4	13.2	-	22.5	11	4.1	9	-	-	11	-	3	24	8	4	0	0	0	0	0	0	0	2	-	0	-	-	-
HEREFORD	9 9	52	17.4	9.3	13.3	-	22.6	6	2.8	17	14.6	15.1	11	19	7	24	8	2	0	0	0	0	0	0	0	-	-	0	3.90	-	-
LYONSHALL	9 9	155	15.7	9.1	12.4	-0.7	20.5	14	4.5	9	-	-	30	39	11	24	8	8	-	0	-	-	-	-	0	3	-	-	-	-	-
MALVERN	9 9	62	16.9	10.2	13.5	-	22.3	11	3.5	3	14.7	14.5	11	17	4	24	10	5	0	0	0	0	0	0	0	0	-	0	(3.03)(	70)	S
PERSHORE																																
COLLEGE OF HORT.	9 9	40	17.5	10.1	13.8	-	21.5	6	4.4	17	-	-	8	14	3	24	6	4	0	0	0	0	0	0	0	1	-	0	3.76	-	-
ROYAL RADAR EST.	21-9	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRESTON WYNNE	9 9	84	16.6	8.7	12.7	-	21.8	6	2.6	9	-	-	13	21	7	24	6	3	0	0	0	0	0	1	0	5	-	0	3.31	-	-
GLOUCESTERSHIRE																																
CHELTENHAM	9 9	65	17.0	8.8	12.9	-1.6	20.5	11.14	3.8	9	-	-	12	21	4	24	6	3	0	0	0	0	0	0	0	-	-	0	3.39	78	-
INNSWORTH	21-9	21	17.0	10.1	13.5	-	20.7	14	3.4	17	-	-	13	-	5	24	6	4	0	0	0	1	1	0	0	2	0	0	3.48	-	-
OXFORDSHIRE																																
BENSON	21-9	67	17.6	9.7	13.7	-	22.2	11	3.6	18	-	-	20	-	7	2	10	4	0	0	0	0	0	0	0	4	-	0	3.75	-	-
BRIZE NORTON	21-9	81	16.9	9.6	13.3	-	21.0	14	3.5	4	-	-	8	-	3	1	6	3	0	0	0	0	0	0	0	1	0	0	3.70	-	-
LETCOMBE REGIS	9 9	107	17.2	9.2	13.2	-	21.0	6	2.5	18	14.7	-	21	34	7	25	9	6	0	0	0	0	1	0	0	3	-	0	-	-	-
OXFORD	9 9	63	17.5	10.4	13.9	-0.5	21.8	6.15	5.9	18	14.9	15.0	8	13	2	27	6	4	0	0	0	0	0	0	0	0	0	0	3.39	76	-
SHIRBURN(MODEL FARM)	9 9	108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WALLINGFORD	9 9	48	17.3	9.3	13.3	-	21.9	14	1.8	18	14.5	14.3	17	35	7	2	9	4	0	0	0	0	0	0	0	6	-	0	3.33	-	-
BUCKINGHAMSHIRE																																
AYLESBURY	9 9	96	17.3	9.6	13.5	-0.4	21.6	11.15	4.0	18	-	-	17	31	6	2	7	6	0	0	0	0	0	0	0	-	-	0	3.99	92	S
GRENDON UNDERWOOD	9 9	67	17.2	8.0	12.6	-	21.4	6	1.0	14	14.5	14.2	18	32	6	25	7	6	0	0	0	0	1	0	0	6	-	0	3.49	-	-
MEDMENHAM	9 9	30	17.7	8.5	13.1	-	21.9	15	1.8	14	-	-	27	44	9	20	8	5	-	-	-	-	-	0	0	3	-	-	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	BRIGHT SUNSHINE EXPOSURE
5 ENGLAND SE & CENTRAL S.																																
GREATER LONDON																																
BROMLEY	9 9	65	17.9	10.4	14.1	-0.7	22.0	11.15	6.0	14.18	-	-	18	29	9	2	10	4	-	0	-	-	-	-	0	-	-	-	-	-	-	-
ENFIELD	9 9	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GREENWICH	9 9	7	17.9	11.1	14.5	-	22.0	15	6.2	14	-	-	18	30	7	2	8	6	0	0	0	0	1	0	0	-	-	0	4.12	-	-	-
HAMPSTEAD	9 9	137	(17.1)	(9.6)	(13.3)	(-1.0)	21.4	15	6.1	9	-	-	17	28	10	2	7	6	0	0	0	0	0	0	0	0	-	0	(4.02)	(85)	S	
HAMPTON	9 9	12	17.6	10.7	14.1	-1.0	22.0	15	5.5	18	-	-	13	26	7	2	7	3	0	0	0	0	0	0	1	-	0	4.24	89	-		
HARROW WEALD	9 9	98	17.5	9.3	13.4	-	22.0	15	5.5	9	15.5	15.6	20	-	8	2	6	4	-	-	-	-	-	0	0	-	-	-	-	-	-	-
HEATHROW AIRPORT ...	21-9	25	18.0	10.7	14.3	-0.6	21.9	15	6.2	9	-	-	15	29	7	2	6	4	0	0	0	0	1	0	0	0	0	0	3.92	-	-	-
KENSINGTON PALACE ...	9 9	25	18.1	10.7	14.4	-1.0	22.4	15	7.1	9	15.8	15.7	22	38	7	2	8	4	0	0	0	0	0	0	0	0	-	0	-	-	-	-
KEW	21-9	6																														
PSYCHROMETER			17.6	9.6	13.6	-	21.7	15	3.2	14	14.6	14.2	13	25	7	2	9	4	0	0	0	0	1	0	0	7	0	0	4.24	89	-	
NORTH WALL SCREEN ...			17.6	10.7	14.1	-0.8	21.8	15	5.6	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LONDON																																
WEATHER CENTRE (X)	21-9	77	18.1	11.9	15.0	-	22.4	14.15	8.2	18	-	-	15	-	5	2	7	4	0	0	0	0	1	0	0	-	-	0	4.14	93	-	
ST JAMES PARK	9 9	4	18.1	11.2	14.7	-0.8	22.1	11	7.3	14	-	-	19	35	6	2	8	4	-	0	-	-	-	-	0	0	-	-	-	-	-	-
SOUTHGATE	9 9	67	(17.7)	10.2	(13.9)	(-0.9)	22.0	15	6.2	13	14.7	-	15	27	7	2	9	5	0	0	0	0	0	0	-	-	-	0	(4.23)	-	-	
WADDON	9 9	59	17.5	10.2	13.9	-0.9	22.0	15	4.5	18	-	-	15	25	7	2	12	4	-	-	-	-	-	-	0	-	-	-	-	-	-	-
WEALDSTONE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.77	-	-	
WILTSHIRE																																
BOSCOMBE DOWN	21-9	126	16.8	9.3	13.1	-0.8	20.8	5.11	4.2	14	-	-	24	38	7	1	11	5	0	0	0	0	0	0	0	2	0	0	3.94	87	-	
LACOCK	9 9	49	16.8	8.8	12.8	-	20.5	5	1.4	17	-	-	17	28	5	1	10	6	-	0	-	-	-	-	0	5	1	-	-	-	-	-
LARKHILL	9 9	132	16.9	9.3	13.1	-0.6	21.0	5.11	4.3	17	-	-	25	37	7	1	10	4	0	0	0	0	0	0	0	0	0	0	-	-	-	-
LYNEHAM	21-9	145	16.2	9.5	12.9	-0.8	20.2	5	4.0	17	-	-	26	42	9	30	9	7	0	0	0	0	1	0	0	1	0	0	3.37	-	-	-
PORTON	9 9	110	17.0	9.0	13.0	-0.6	21.0	5	3.1	14	14.0	-	17	25	4	2	11	5	-	0	-	-	-	-	0	4	0	0	3.93	85	-	
TROWBRIDGE	9 9	37	17.1	9.2	13.1	-	20.7	11	1.7	17	14.9	-	22	-	7	1	9	6	0	0	0	0	1	1	0	6	-	0	-	-	-	-
UPAVON	21-9	179	16.5	9.5	13.0	-	21.2	11	4.7	9	-	-	21	30	7	24	11	6	0	0	0	0	0	0	0	0	0	0	-	-	-	-
BERKSHIRE																																
EASTHAMPSTEAD	9 9	77	17.2	8.2	12.7	-	21.3	27	0.4	18	14.2	14.0	28	-	16	25	9	3	0	0	0	0	0	0	0	5	0	0	4.04	-	-	-
HURLEY	9 9	43	17.3	9.4	13.3	-	21.3	15	3.5	14	14.5	-	24	39	7	25	7	6	0	0	0	0	0	0	0	0	-	0	3.47	-	-	-
LAMBOURN(WARREN FARM)	9 9	192	16.1	9.0	12.5	-	20.3	6	5.0	17.18	13.6	-	16	-	3	1	10	6	-	0	-	-	-	-	0	-	-	-	-	-	-	-
READING	9 9	66	17.3	9.7	13.5	-	21.1	5	4.2	14	14.5	14.3	17	-	6	2	7	5	0	0	0	0	0	0	0	6	0	0	4.13	-	-	-
SHINFIELD(N.I.R.D.) ...	9 9	62	(17.5)	(9.6)	(13.5)	-	21.0	11.27	4.0	14	-	-	18	-	6	2	9	4	0	0	0	0	0	0	0	1	-	0	4.01	-	-	-
SURREY																																
MERRIST WOOD	9 9	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NICKLEHAM	9 9	55	17.3	8.5	12.9	-1.0	21.0	27	2.1	18	14.6	14.7	15	22	7	2	11	6	0	0	0	0	0	0	0	1	-	0	-	-	-	-
WISLEY	9 9	35	17.9	9.2	13.5	-0.9	21.5	15	2.9	14	14.6	14.8	17	30	8	2	9	6	0	0	0	0	0	3	0	4	-	0	4.26	93	-	
KENT																																
DOVER R.M.S.	9 9	123	16.2	10.5	13.3	-	18.8	26	7.0	14	-	-	21	29	5	2	13	7	0	0	0	0	0	0	0	-	-	0	-	-	-	-
DUNGENESS	9 9	3	17.1	11.4	14.3	-	19.7	1	5.5	14	-	-	25	41	7	8	11	6	0	0	0	0	0	0	0	-	-	1	-	-	-	-
EAST MALLING	9 9	32	17.5	9.8	13.7	-0.5	21.0	15	3.5	14	14.9	14.9	14	23	5	25	8	5	0	0	0	0	0	0	0	0	0	0	4.35	88	-	
ELMSTONE	9 9	5	18.1	9.1	13.6	-	22.3	11	2.0	20	-	-	18	33	6	18	11	7	0	0	0	0	0	0	0	0	-	0	-	-	-	-
FAVERSHAM	9 9	48	17.5	10.2	13.9	-	20.8	11.14	4.0	14	14.3	14.9	18	28	4	7.25	7	7	0	0	0	0	0	0	0	0	-	0	4.90	-	-	-
FOLKESTONE	9 9	31	16.8	10.3	13.5	-	19.0	15	3.6	14	-	15.3	15	25	5	2	12	5	0	0	0	0	0	0	0	0	-	1	4.65	86	-	
GILLINGHAM	9 9	4	18.4	10.8	14.6	-	21.9	14	6.0	14	-	-	13	24	3	2.25	8	6	-	-	-	-	-	-	0	-	-	-	-	-	-	-
GOUDHURST	9 9	85	16.6	8.9	12.7	-1.2	21.4	15	2.5	14	-	-	26	37	6	25	10	6	0	0	0	0	0	0	0	2	-	0	-	-	-	-
HADLOW COLLEGE	9 9	30	17.5	8.0	12.7	-	21.2	15	-0.2	8	14.6	15.1	20	-	8	25	8	4	0	0	0	0	0	0	1	0	-	0	3.78	-	-	-
HERNE BAY	9 9	31	17.5	11.0	14.3	-	21.5	11	6.5	14.20	15.3	-	24	-	8	18	11	8	0	0	0	0	0	0	0	0	-	0	5.03	99	-	
MARSTON	21-9	44	17.5	11.0	14.3	-	21.4	11	5.3	20	-	-	17	34	4	2	11	7	0	0	0	0	0	0	0	0	0	0	4.83	-	-	-
MARGATE	9 9	16	17.4	12.4	14.9	-0.6	21.4	11	9.4	14	15.1	15.2	19	39	7	22	10	4	0	0	0	0	0	0	0	0	-	0	4.90	91	-	
ULCOMBE	21-9	47	17.5	9.0	13.3	-	21.3	15.27	2.8	14	-	-	14	-	4	7	9	4	0	0	0	0	0	1	0	0	0	0	4.16	-	-	-
WYE	9 9	56	17.1	9.5	13.3	-1.2	20.3	14	2.7	14	14.7	14.8	25	41	6	2	10	6	0	0	0	0	0	3	0	3	-	0	4.15	81	-	
HAMPSHIRE																																
ALICE HOLT LODGE ...	9 9	115	16.9	9.1	13.0	-0.7	20.6	14	3.9	14	-	-	20	28	8	2	9	6	0	0	0	0	0	0	0	0	-	0	3.87	-	S	
EVERTON	9 9	16	16.7	10.3	13.5	-	19.7	15	5.0	4	-	-	36	49	11	2	8	5	0	0	0	0	0	1	0	0	-	0	4.95	-	-	
HAYLING ISLAND	9 9	4	16.9	10.8	13.9	-	19.9	3	7.1	17.18	-	-	31	51	15	25	7	5	0	0	0	0	0	0	0	-	-	0	4.65	-	-	
LECKFORD	9 9	117	17.3	9.1	13.2	-0.7	21.9	5	4.2	17	13.5	-	23)	33)	6	2	(12)	(8)	0	0	0	0	0	0	0	-	-	0	4.17	94	-	
LONG SUTTON	9 9	145	16.7	9.1	12.9	-	20.3	14	2.9	18	14.8	14.6	22	32	7	2	9	6	0	0	0	0	0	0	0	1	0	0	4.35	98	-	
MARTYR WORTHY	9 9	84	17.3	9.1	13.2	-	20.8	14.15	3.3	14	14.4	-	25	33	8	2	9	8	0	0	0	0	0	0	0	0	-	0	4.09	-	-	
SOUTHAMPTON																																
MAYFLOWER PARK ...	9 9	3	17.7	10.8	14.3	-0.8	22.4	15	6.2	14	15.6	16.2	20	-	7	2	8	4	0	0	0	0	0	0	0	0	0	0	4.20	87	S	
WEATHER CENTRE (X)	21-9	19	17.6	11.1	14.3	-	22.3	15	6.8	17	-	-	20	-	8	2	7	5	0	-	0	0	0	0	0	-	0	0	-	-	-	-
SOUTHSEA	9 9	2	17.4	11.7	14.5	-1.1	21.6	14	8.2	18	15.7	15.7	23	36	7	2	8	4	0	0	0	0	0	0	0	0	-	0	4.65	89	-	
SPARSHOLT	9 9	113	(16.9)	(9.4)	(13.1)	-	(21.0)	15	(4.0)	18	-	-	24)	-	9	2	9)	(8)	0	0	0	0	0	0	0	0	-	0	3.94	-	-	
ISLE OF WIGHT																																
RYDE	9 9	4	17.0	11.7	14.3	-1.0	20.2	14	7.6	14	-	-	33	47	11	24	8	6	0	0	0	0	1	0	0	-	-	0	4.53	87	-	
ST CATHERINES POINT ...	9 9	16	16.3	11.8	14.1	-1.2	18.6	15	7.0	17	-	-	48	68	18	24	8	5	0	0	0	0	1	0	0	-	-	1	-	-	-	-
SANDOWN	9 9	4	17.1	11.1	14.1	-1.4	19.3	11	5.4	14	-	-	44	63	18	24	7	6	0	0	-	0	1	0	0	-	-	0	4.93	89	-	
SHANKLIN	9 9	55	16.5	10.7	13.6	-1.0	19.2	15	6.5	18	-	-	52	62	19	24	11	7	0	0	0	0	1	1	0	-	-	0	4.92	88	-	
VENTNOR	9 9	135	16.6	11.3	13.9	-1.4	19.6	15	7.4	9.18	15.2	15.1	58	74	19	24	12	8	0	0	1	0	1	1	0	0	-	0	4.98	91	-	
WEST SUSSEX																																
BOGNOR REGIS	9 9	7	16.8	11.1	13.9	-1.0	18.7	12	7.5	14	-	15.3	28	44	6	25	7	6	0	0	0	0	0	0	0	0	-	0	4.39	82	-	
GATWICK AIRPORT ...	21-9	59	17.3	8.9	13.1	-	20.7	15	2.4	14	-	-	27	38	9	2	11	8	0	0	0	0	0	0	0	3	0	0	4.57	-	-	
HURSTPIERPOINT	9 9	30	17.4	8.1	12.7	-	21.0	14.15	1.5	14	-	-	35	-	11	2	13	7	-	-	-	-	-	-	0	-	-	-	-	-	-	-
LITTLEHAMPTON	9 9	5	17.0	10.6	13.8	-1.1	19.0	12	6.6	18	-	15.3	31	50	7	7	10	6	0	0	0	0	0	0	0	-	-	0	4.76	89	-	
NORTH HEATH	9 9	21	18.2	8.4	13.3	-	22.2	27	2.0	14	14.6	14.4	31	-	6	2	10	8	0	0	0	0	0	0	0	0	-	0	4.43	-	-	
ROGATE	9 9	64	17.2	9.0	13.1	-	20.9	14	3.0	14	15.0	-	31	-	9	4	10	8	0	0	0	0	0	0	0	1	-	0	-	-	S	
RUSTINGTON	9 9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WORTHING	9 9	2	17.2	10.1	13.7	-	20.4	15	4.4	14	15.7	-	27	-	8	2	9	6	0	0	0	0	0	0	0	0	-	0	4.13	-	-	
EAST SUSSEX																																
BEXHILL	9 9	4	16.7	11.1	13.9	-1.2	19.2	15	7.0	9	14.8	15.3	25	37	9	2	10	6	0	0	0	0	0	0	0	0	-	0	4.49	86	-	
BRIGHTON	9 9	10	16.7	11.3	14.0	-1.5	18.9	3	6.8	14	-	15.8	22	36	11	2	9	4	0	0	0	0	0	0	0	0	-	1	4.74	88	-	
EASTBOURNE	9 9	7	17.2	11.7	14.5	-0.8	19.3	1	7.4	14	15.4	15.7	23	33	11	2	9	5	0	0	0	0	0	0	0	0	-	0	4.77	85	-	
EAST HOATHLY	9 9	38	17.1	8.5	12.8	-	21.1	15	2.1	14	-	-	25	36	8	2	9	5	0	0	0	0	0	0	0	6	0	0	4.04	-	-	
HASTINGS	9 9	45	16.8	11.3	14.1	-1.2	20.0	15	7.7	9	15.4	15.7	19	29	7	2	8	5	0	0	0	0	0	0	0	0	-	1	4.47	84	-	
HERSTMONCEUX	21-9	17	17.0	9.0	13.0	-	20.0	14.15	3.0	14	-	-	17	-	5	2	8	4	0	0	0	0	0	0	0	4	-	0	-	-	-	-
PLUMPTON	9 9	76	16.9	10.1	13.5	-	21.4	15	5.0	14	-	-	39	43	15	2	12	9	-	0	-	-	-	2	0	0	-	-	4.65	-	-	

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HEIGHT OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		MEAN EARTH TEMPERATURE: 30 CM DEGREES C	100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
							MAX.	DATE	MIN.	DATE																					
7A ENGLAND NW & I.O.M.																															
CUMBRIA																															
CARLISLE	21-9	26	15.4	9.3	12.3	-	19.6	15	3.0	16	13.5	13.7	78	81	17	29	18	11	0	0	0	0	0	0	0	5	0	0	2.93	-	-
CARTMEL	9 9	34	15.5	8.1	11.8	-	19.4	15	1.6	19	-	-	129	-	27	4	18	12	0	0	0	0	0	0	0	-	-	0	-	-	-
GRIZEDALE	9 9	91	15.2	7.5	11.3	-	20.0	15	-0.9	19	12.4	-	139	69	34	29	16	14	0	0	0	0	0	1	11	-	-	0	-	-	-
MCOR HOUSE	9 9	556	11.3	5.8	8.5	-	15.4	6	0.6	19	9.3	-	182	100	36	9	19	17	0	0	0	0	4	0	5	-	-	3	2.61	-	-
NEWTON RIGG	9 9	171	14.8	8.5	11.7	-0.4	19.0	11	2.3	16	12.8	-	57	58	11	30	17	14	0	0	0	0	0	0	2	-	0	(2.73)	(74)	S
SELLAFIELD	9 9	13	16.7	10.1	13.4	-	18.5	25.26	3.3	19	-	-	73	61	12	1	17	13	-	0	-	-	-	6	0	3	-	-	3.53	-	-
LANCASHIRE																															
HAZELRIGG	9 9	94	15.1	9.6	12.3	-	18.2	15.26	3.9	19	-	-	82	-	21	29	15	11	0	0	0	0	0	0	1	-	0	3.27	-	-
HELMSHORE	9 9	260	14.2	8.7	11.5	-	20.3	11	5.0	19	12.2	-	133	91	44	30	17	14	0	0	0	1	0	0	0	-	0	3.03	-	-
KIRKHAM	9 9	24	15.8	9.8	12.8	-	19.4	6	0.1	19	-	-	58	57	14	30	15	10	0	0	0	0	0	0	3	-	0	3.48	-	-
MORECAMBE	9 9	7	16.1	10.8	13.5	-0.4	19.4	15	6.3	19	-	-	85	80	21	4	14	11	0	0	0	0	0	0	-	-	0	3.43	84	-	-
PRESTON	9 9	33	15.8	9.9	12.9	-	18.9	6	1.4	19	-	-	70	64	18	30	15	12	0	0	1	0	0	0	2	-	0	-	-	-	-
SLAIDBURN	9 9	192	14.6	8.3	11.5	-	19.2	15	2.0	19	-	-	145	99	39	29	15	15	0	0	0	0	0	0	1	-	0	3.31	-	-	-
SQUIRES GATE AIRPORT	21-9	10	16.2	10.8	13.5	-0.4	19.3	6.26	1.3	19	-	-	52	57	15	30	15	8	0	0	0	0	0	0	1	1	0	3.39	77	-	-
STONYHURST	9 9	115	15.2	8.9	12.1	-0.9	19.4	15	2.2	19	-	-	57	47	16	9	8	7	-	0	-	-	-	0	0	0	-	3.23	89	-	-
MERSEYSIDE																															
AIGBURTH	9 9	12	16.5	10.9	13.7	-	20.8	6.11	4.8	19	-	-	37	-	10	30	14	6	0	0	0	0	0	0	0	0	1	3.08	-	-	-
BIDSTON	9 9	60	15.7	11.0	13.3	-	20.6	6	6.9	19	-	-	40	-	14	30	14	7	0	-	0	0	1	0	0	0	-	0	3.18	-	-
ST HELENS	9 9	76	16.4	9.7	13.1	-	22.4	11	3.8	19	13.7	-	61	-	22	30	13	10	-	-	-	-	-	0	-	-	-	3.23	-	-	-
SOUTHPORT	9 9	5	16.0	9.8	12.9	-0.8	19.3	5.6	1.6	19	13.4	13.5	49	55	11	30	15	11	-	-	-	-	-	0	0	-	-	3.22	74	-	-
SPEKE AIRPORT	21-9	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST KIRBY PARK	9 9	8	17.0	11.0	14.0	-0.3	23.4	11	3.4	19	-	-	36	51	14	30	14	8	0	0	0	0	-	0	0	-	0	-	-	-	-
GREATER MANCHESTER																															
BOLTON	9 9	107	15.1	9.3	12.2	-	20.0	11	4.8	9	13.0	13.1	84	-	25	30	13	12	0	0	0	0	0	0	2	-	0	2.69	75	-	-
MANCHESTER																															
RINGWAY AIRPORT	21-9	75	15.8	10.1	12.9	-0.8	21.5	11	5.2	9	-	-	64	85	22	30	12	10	0	0	0	0	1	0	0	0	0	3.25	82	-	-
WEATHER CENTRE (X)	21-9	69	16.4	11.0	13.7	-	22.5	11	6.9	9	-	-	58	-	21	30	11	10	0	-	0	0	0	0	0	-	-	0	3.31	-	-
CHESHIRE																															
KNUTSFORD	9 9	65	16.4	8.8	12.6	-	23.2	11	4.0	9	14.2	14.4	56	72	15	30	13	9	0	0	0	0	0	0	0	-	0	-	-	-	-
MACCLESFIELD	9 9	152	15.4	9.0	12.2	-1.1	21.3	11	3.7	9	-	-	67	80	17	30	16	11	0	0	0	0	2	0	0	-	0	-	-	-	-
NESS GARDENS	9 9	55	16.6	9.9	13.3	-	22.1	6	4.6	19	13.5	-	35	52	11	30	10	7	0	0	0	0	0	0	2	-	0	3.18	-	S	
ISLE OF MAN																															
DOUGLAS	9 9	87	14.6	10.3	12.5	-0.5	18.4	11	6.8	7	-	-	58	52	9	26	15	13	0	0	0	0	1	0	0	-	4	3.47	79	-	-
POINT OF AYRE	21-9	9	15.9	11.1	13.5	-0.4	21.4	11	6.3	8	-	-	31	37	7	27	16	12	0	0	0	0	0	0	-	-	0	3.50	79	-	-
RONALDSWAY AIRPORT	21-9	16	15.1	10.5	12.8	-0.5	18.4	6	5.5	18	-	-	38	45	4	26.27	16	13	0	0	0	0	0	0	0	0	0	3.83	89	-	-
7B WALES N																															
GWYNEDD																															
ABER	9 9	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALA	9 9	163	14.8	8.0	11.4	-	18.7	27	-1.1	19	13.4	14.0	89	79	29	30	15	14	0	0	0	0	0	1	4	1	0	3.05	-	-	-
BARDSEY ISLAND	21-9	16	15.3	12.1	13.7	-	16.5	5.8.25	8.1	19	-	-	50	57	10	26	11	10	0	0	0	0	0	0	0	0	5	-	-	-	-
BETWS-Y-COED	9 9	15	(16.5)	(8.6)	(12.5)	-	20.9	7	0.7	19	14.1)	-	81	-	21	2	14	12	0	0	0	0	0	0	1	-	0	-	-	-	-
BOTHMNOG	9 9	34	-	-	-	-	-	-	-	-	-	-	46	42	13	9	10	7	0	0	0	0	0	-	-	-	3	-	-	-	-
CWMYSTRADLLYN	9 9	204	14.0	9.4	11.7	-	16.5	14	6.0	9	-	-	166	-	27	4	19	13	-	-	-	-	-	0	-	-	-	3.36	-	-	-
LLYN ALAW	9 9	44	15.7	10.0	12.9	-	20.0	6	5.5	19	-	-	71	-	15	4	16	13	-	-	-	-	-	0	-	-	-	3.83	-	-	-
PEN-Y-FFRIDD	9 9	84	16.0	10.3	13.1	-	19.7	6	5.4	9	-	-	58	53	12	4	15	12	0	0	0	0	1	0	2	-	0	3.82	-	-	-
TRAWSFYNYDD	9 9	193	(14.8)	(9.4)	(12.1)	-	(17.5)	6.27	3.7	19	-	-	141	90	28	9	17	13	-	0	-	-	-	0	1	0	-	-	-	-	-
VALLEY	21-9	10	15.9	11.4	13.7	-0.4	18.3	6	4.4	19	-	-	47	52	10	24	15	11	0	0	0	0	1	0	0	0	4	3.78	83	-	-
CLWYD																															
ALWEN	9 9	335	13.6	7.0	10.3	-	17.0	6	-0.6	19	-	-	83	74	26	30	14	13	-	-	-	-	-	1	8	-	-	-	-	-	-
BWLCHGWYN	9 9	386	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COLWYN BAY	9 9	24	16.5	10.9	13.7	-	21.8	11	4.4	19	-	-	35	48	7	11	11	6	0	0	0	1	0	0	0	-	0	3.88	87	-	-
CORWEN	9 9	144	15.6	7.3	11.5	-	19.4	6.27	-1.5	19	-	-	49	52	23	30	14	11	0	0	0	0	-	1	5	-	0	-	-	-	-
HAWARDEN BRIDGE	9 9	5	17.2	9.6	13.4	-0.7	23.8	6	4.2	19	-	-	30	46	9	30	10	6	0	0	0	0	0	0	-	-	1	-	-	-	-
LOGGERHEADS	9 9	210	15.0	8.3	11.7	-	19.0	6.11	-0.2	19	12.8	12.8	26	31	7	8	12	7	0	0	0	0	1	1	3	-	0	3.54	-	S	
PRESTATYN	9 9	4	(16.4)	(11.2)	(13.8)	(-0.6)	21.8	6	5.3	19	-	-	37	58	9	3	10	7	0	0	0	0	0	0	-	-	0	-	-	-	-
RUTHIN	9 9	76	16.3	9.1	12.7	-	20.6	6	1.0	19	-	-	25	34	12	30	11	5	0	0	0	0	0	0	-	-	0	3.32	-	-	-
POWYS(NORTH)																															
LAKE VYRNWY	9 9	303	13.6	7.9	10.7	-1.3	17.7	6	2.2	19	11.8	-	139	98	41	30	17	13	0	0	0	0	1	0	1	-	0	-	-	-	-
MOEL CYNNEDD	9 9	358	13.6	6.7	10.1	-	16.6	5.6	0.0	17	11.6	-	243	-	58	30	19	16	0	0	0	0	0	0	8	-	0	-	-	-	-
8A WALES S																															
DYFED																															
ABERPORTH	21-9	134	15.0	10.5	12.7	-1.0	18.7	6	6.4	13	-	-	28	29	8	4	14	6	-	-	-	-	-	0	0	0	-	3.87	89	-	-
ABERYSTWYTH	9 9	4	-	-	-	-	-	-	-	-	-	-	29	30	5	9	13	8	0	0	0	0	0	-	-	-	0	-	-	-	-
BRAWDY	21-9	111	14.9	10.3	12.6	-	16.7	14	4.1	17	-	-	49	-	10	1	13	10	0	0	0	0	3	0	2	0	0	3.80	-	-	-
BRYNAMMAN	21-9	183	15.4	9.5	12.5	-	20.7	15	5.0	9	-	-	104	-	29	1	14	13	0	0	0	0	1	0	0	-	0	-	-	-	-
CARMARTHEN	9 9	15	16.4	8.2	12.3	-	20.2	15	1.5	17	14.2	14.3	71	57	31	1	12	11	0	0	0	0	0	0	0	-	2	3.47	-	-	-
CWMYSTWYTH	9 9	301	(14.2)	(7.7)	(10.9)	-	17.7	27	2.0	9	-	-	153	95	31	30	16	14	0	0	0	0	1	0	-	-	0	(3.03)	-	S	
DALE FORT	9 9	33	16.1	11.7	13.9	-0.6	18.5	14	7.2	17	14.4	-	34	-	8	24	11	8	0	0	0	0	1	0	0	-	2	4.22	-	-	-
ESGAIRWEN-UCHAF	9 9	332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOGERDDAN	9 9	31	15.9	9.8	12.9	-	19.7	27	2.0	17	-	-	50	51	12	9	13	10	0	0	0	0	0	0	4	-	0	3.24	-	-	-
LLETY-EVAN-MEN	9 9	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MILFORD HAVEN (CONSERVANCY BOARD)	21-9	37	15.8	11.3	13.5	-	18.2	15	5.7	18	-	-	43	46	8	1	13	8	0	0	0	0	1	0	0	0	0	-	-	-	-
ORIELTON	9 9	61	16.2	10.3	13.3	-	19.0	15	4.2	17	14.6	-	54	53	15	1	11	9	0	0	0	0	3	0	1	-	1	-	-	-	-
SKOKHOLM ISLAND	9 9	35	15.6	12.1	13.9	-	16.9	6	7.6	17	-	-	35	-	9	23	8	7	0	0	0	0	0	2	0	-	0	-	-	-	-
TENBY	- -	-	16.5	9.9	13.2	-	20.0	15	4.2	13.14	-	-	59	-	22	1	8	8	0	0	0	0	1	0	-	-	1	4.31	-	-	-
TRAWSCOED	9 9	61	15.9	8.5	12.2	-	19.8	27	0.0	17.18	14.3	-	61	54	18	30	15	12	0	0	0	0	1	0	5	-	0	(3.38)	(84)	-	-
TREGARON	9 9	178	15.5	7.6	11.5	-	19.6	6	-0.1	13	-	-	69	-	16	30	16	13	0	0	0	0	0	1	8	-	0	3.21	-	S	
WHITECHURCH	9 9	130	15.5	8.8	12.1	-	18.8	6.14	1.2	18	-	-	81	-	21	1	13	9	0	0	0	0	0	0	4	-	2	-	-	-	-
POWYS(SOUTH)																															
CENARTH	21-9	308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LLANGENNY	9 9	122	(16.3)	(9.1)	(12.7)	-	20.8	14	4.4	9	-	-	33	-	17	25	11	8	0	0	0	0	-	0	-	-	0	-	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL MIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)											BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM						MOST IN A DAY		PRECIP-ITATION													
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE	30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	AMOUNT (MM)	DATE	0.2 MM OR MORE	1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
8A WALES S CONTINUED																														
WEST GLAMORGAN																														
MUMBLES HEAD	21-9	36	16.2	11.9	14.1	-	19.8	12	8.0	18	-	-	-	-	-		-	-	0	0	0	0	0	0	0	0	6	-	-	-
NEATH	9 9	62	16.1	10.4	13.3	-	19.5	14	3.9	17	-	-	87	67	23	1	12	10	0	0	0	0	0	0	0	0	0	-	-	-
PENNAEN	9 9	85	16.2	10.3	13.3	-	18.9	14	4.6	17	14.9	15.3	70	59	19	1	12	9	0	0	0	0	1	0	0	0	0	3.89	-	-
PORT TALBOT	9 9	7	17.1	10.9	14.0	-	19.9	15	5.0	14	-	-	70	64	15	1	11	10	0	0	0	0	0	0	0	0	0	(3.88)	-	S
SWANSEA	9 9	8	16.6	11.5	14.1	-0.8	19.5	14	7.0	17	13.2	16.1	68	61	17	1	12	9	0	0	0	0	0	0	0	0	0	-	-	S
WHITEFORD BURROWS	9 9	6	16.4	10.3	13.3	-	19.0	15	3.1	18	-	-	63	-	19	1	11	9	0	0	0	0	0	1	0	9	-	0	-	-	S
MID GLAMORGAN																														
ABERDARE	9 9	174	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
CILFYNYDD	21-9	194	15.6	9.5	12.5	-	20.9	14	5.0	17	-	-	79	-	17	1	13	12	0	0	0	0	0	1	0	0	0	-	-	-
LLWYNON	9 9	242	14.8	8.0	11.4	-	22.1	15	2.9	17	-	-	125	83	23	24	15	13	0	0	0	0	0	6	0	-	-	3.28	-	S
PORTHCAWL	9 9	6	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	S
SOUTH GLAMORGAN																														
BRIDGEND	9 9	43	16.7	9.9	13.3	-	20.4	15	5.2	14	15.0	14.8	66	-	14	1	12	9	0	0	0	0	0	-	0	0	-	-	-	-
RHOOSE AIRPORT	21-9	67	16.3	10.5	13.4	-	18.8	4.6	5.5	9.17	-	-	38	-	8	1	12	7	0	0	0	0	0	0	0	1	0	4.14	-	-
GWENT																														
CRUMBLAND	9 9	245	15.4	9.1	12.3	-	19.9	14	4.7	9	13.2	13.3	27	28	8	1	10	8	0	0	0	0	0	3	0	1	-	(3.10)	-	-
NEWPORT	9 9	23	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
USK	9 9	21	17.3	9.6	13.5	0.0	22.5	14	3.0	13	15.3	-	28	31	7	1	9	8	0	0	0	0	0	-	0	0	-	3.42	88	-
8B ENGLAND SW																														
AVON																														
BATH	9 9	118	(16.5)	(10.1)	(13.3)	-	20.0	6.11.14	5.5	17	-	-	17	23	4	24	7	6	0	0	0	0	0	0	0	-	-	0	-	-	-
FILTON	21-9	59	16.4	10.4	13.4	-0.7	19.5	14	5.0	17	-	-	33	45	8	30	9	7	0	0	0	0	1	0	0	2	0	0	3.56	83	-
LONG ASHTON	9 9	51	16.7	10.1	13.4	-0.7	20.6	6	4.5	9	14.6	-	21	26	7	1	11	8	0	0	0	0	1	0	0	2	-	0	3.74	85	-
SOMERSET																														
CANNINGTON	9 9	23	17.3	10.1	13.7	-0.8	22.5	6	3.0	17	15.3	-	17	26	5	25	7	5	0	0	0	0	0	0	0	1	-	0	3.56	79	S
CREMKERNE	9 9	101	(16.4)	(9.7)	(13.1)	-	20.5	6	3.3	17	-	-	20	-	6	1	13	7	0	0	0	0	0	-	0	-	-	0	-	-	-
DOWNSIDE ABBEY	9 9	183	(15.6)	(9.7)	(12.7)	-	19.0	11	4.8	18	-	-	39	41	10	1	11	8	0	0	0	0	1	0	0	-	-	0	-	-	-
EXTON	21-9	335	15.0	8.8	11.9	-	19.6	11	4.1	4	-	-	50	-	10	1	16	11	0	0	0	0	0	5	0	0	0	0	-	-	-
HAWKRIDGE	9 9	314	14.4	8.9	11.7	-	18.8	11	4.4	14	-	-	63	47	14	1	17	10	0	0	0	0	0	4	0	1	-	0	3.68	-	-
NETTLECOMBE	9 9	96	16.5	9.2	12.9	-	21.1	6	2.3	17	14.9	-	19	-	5	1	11	4	0	0	0	0	0	0	0	1	-	0	-	-	-
NETTLECOMBE(BIRDS HILL)	9 9	290	-	(9.4)	-	-	-	-	5.7	17	-	-	26	-	8	1	11	6	0	0	0	0	0	1	0	-	-	0	-	-	-
RODNEY STOKE	9 9	40	16.7	10.0	13.3	-	20.7	6	4.2	17	15.1	14.9	19	23	6	25	9	6	0	0	0	0	1	0	0	0	-	0	-	-	-
WINCANTON	9 9	114	16.8	9.3	13.1	-	21.2	5	4.2	14.17	-	-	31	37	9	1	11	8	0	0	0	0	0	0	0	0	-	0	3.90	-	-
YEOVILTON	21-9	18	17.2	9.4	13.3	-	21.5	6	3.7	14	-	-	18	26	6	1	8	5	0	0	0	0	0	1	0	0	0	0	-	-	-
DORSET																														
BOURNEMOUTH																														
HURN AIRPORT	21-9	10	17.1	9.2	13.1	-	20.7	5	3.5	4	-	-	31	42	8	24	10	6	0	0	0	0	1	0	0	1	0	0	4.71	-	-
MEYRICK PARK	9 9	40	16.6	10.3	13.5	-1.1	20.2	5.15	5.2	14.17	14.5	(14.8)	43	57	14	9	10	8	0	0	0	0	0	0	0	0	-	0	(4.74)	(93)	-
CHRISTCHURCH	9 9	3	16.9	10.2	13.5	-	20.0	15	4.7	4	-	-	51	70	25	8	9	6	0	0	0	0	1	0	0	0	-	0	-	-	-
POOLE	9 9	5	17.4	9.8	13.6	-1.1	21.2	5	4.6	14	15.4	15.6	38	52	9	1	11	7	0	0	0	0	0	1	0	0	-	0	4.96	99	-
PORTLAND BILL (COASTGUARD)	21-9	53	(16.4)	(11.9)	(14.1)	(-1.2)	19.4	15	8.4	18	-	-	25	-	9	24	12	5	0	0	0	0	0	0	0	-	-	1	5.05	-	-
SWANAGE	9 9	11	16.5	11.4	13.9	-0.9	19.0	5	6.5	4	-	15.7	37	48	9	24	11	8	0	0	0	0	0	0	0	0	-	0	4.96	94	-
WEYMOUTH	9 9	23	17.1	11.2	14.1	-	20.8	15	4.1	17	-	-	31	-	11	24	9	6	0	0	0	0	0	0	0	-	-	0	(4.90)	(94)	-
WINFRITH	9 9	26	16.9	9.6	13.3	-	20.0	15	3.4	14	-	-	47	56	13	24	10	7	0	0	0	0	0	0	0	1	-	0	-	-	-
DEVON																														
CHELDON BARTON	9 9	164	16.8	9.1	12.9	-	21.4	11	4.0	4	14.5	-	34	-	6	30	11	9	0	0	0	0	0	0	0	2	-	0	4.09	-	-
EXETER AIRPORT	21-9	32	17.5	9.7	13.6	-0.7	21.9	5	3.5	4	-	-	32	47	15	24	8	5	0	0	0	0	0	0	0	2	0	0	3.74	83	-
EXMOUTH	9 9	59	17.4	(10.8)	(14.1)	(-0.2)	21.6	5	6.9	4.14	-	-	30	45	17	24	8	4	0	0	0	0	0	2	0	2	-	0	4.85	98	-
HARTLAND POINT	21-9	91	15.5	12.1	13.8	-0.5	18.5	26.27	9.0	19	-	-	46	59	19	1	10	5	0	0	0	0	0	0	0	0	0	1	5.00	104	-
ILFRACOMBE	9 9	8	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
PLYMOUTH																														
MOUNT BATTEN	21-9	27	16.8	10.9	13.9	-0.6	19.6	12.15	5.5	4	-	-	46	54	14	24	10	7	0	0	0	0	0	2	0	0	0	0	5.13	103	-
THE HOE	9 9	36	16.8	11.1	13.9	-0.9	19.9	12	6.2	4	15.4	15.4	36	44	12	23	9	6	0	0	0	0	0	0	0	0	-	0	5.12	104	-
PRAWLE POINT	21-9	59	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	0	0	0	0	0	4	-	-	-	2	5.18	-	-
PRINCETOWN	9 9	414	14.2	8.6	11.4	-	19.0	15	4.1	18	-	-	100	-	25	1	11	9	0	0	0	0	0	8	0	0	-	0	-	-	-
SLAPTON	9 9	32	17.3	10.7	14.0	-	20.1	5	5.9	4	-	-	43	46	11	23	10	7	0	0	0	0	0	1	0	0	-	0	-	-	-
STARCROSS	9 9	9	17.5	9.7	13.6	-0.7	21.6	5	4.0	4	14.9	-	23	33	10	24	7	3	0	0	0	0	0	1	0	0	-	0	4.50	92	-
TAVISTOCK	9 9	139	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEIGNMOUTH	9 9	6	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
TORBAY(TORQUAY)	9 9	8	17.5	10.6	14.1	-0.8	21.5	5	6.1	4	-	16.4	33	44	14	24	11	5	0	0	0	0	0	1	0	0	-	0	5.32	103	-
CORNWALL																														
BASTREET	9 9	232	16.1	7.3	11.7	-	21.1	15	-0.4	21	-	-	83	56	19	1	10	9	0	0	0	0	0	3	2	8	-	0	4.53	-	-
BUDE	9 9	15	16.8	9.9	13.3	-1.2	19.7	15	2.3	18	15.3	-	31	39	12	1	12	8	0	0	0	0	0	0	0	-	-	2	4.95	104	-
CULDROSE	9 9	81	15.2	10.4	13.3	-	18.2	14	6.4	18	-	-	58	74	20	23	12	10	0	0	0	0	0	2	0	0	0	0	5.05	-	-
ELLBRIDGE	9 9	69	17.3	9.3	13.3	-	20.7	15	3.3	21	-	-	66	66	23	4	9	9	0	0	0	0	0	1	0	4	-	0	4.89	103	-
FALMOUTH	9 9	51	16.8	10.2	13.5	-1.1	19.4	5	5.3	20	-	-	51	56	18	23	13	9	0	0	0	0	0	0	0	-	-	0	4.64	96	-
FOWEY	9 9	75	16.6	9.9	13.3	-1.5	19.5	5	5.0	4	-	-	36	-	13	23	10	9	0	0	0	0	0	3	0	-	-	0	-	-	-
GULVAL	9 9	15	17.0	10.5	13.7	-	19.5	5	6.0	21	-	-	43	-	13	1	11	9	0	0	0	0	0	0	0	0	-	0	-	-	-
GWENNAP HEAD	21-9	66	16.1	11.9	14.0	-	17.8	15	7.6	18	-	-	17	-	6	1	9	5	0	0	0	0	0	3	0	-	0	2	-	-	-
LIZARD	9 9	73	16.7	11.3	14.0	-0.6	19.4	12	7.7	9	-	-	36	49	16	23	10	9	0	0	0	0	0	2	0	-	-	0	5.48	106	-
NEWQUAY	9 9	54	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENZANCE	9 9	19	17.5	10.7	14.1	-0.8	20.0	5	6.0	20	-	-	45	50	13	23	11	9	0	0	0	0	0	0	0	-	-	0	5.43	104	-
ROSEWARNE	9 9	76	17.0	10.1	13.5	-	20.4	5	5.6	19	15.8	15.8	52	61	19	23	9	8	0	0	0	0	0	1	0	0	-	0	4.67	-	-
ST AUSTELL(BETHEL)	9 9	55	16.8	10.4	13.6	-	19.5	5	5.3	19	-	-	47	-	16	23	10	10	0	0	0	0	0	1	0	0	-	0	5.05	-	-
ST JOHNS	9 9	128	16.7	9.1	12.9	-	21.4	15	2.9	21	-	-	36	35	10	1	11	7	-	-	-	-	-	-	0	-	-	-	4.62	-	-
ST MAWGAN	21-9	103	16.8	10.7	13.7	-	19.4	6	6.3	21	-	-	40	47	10	23	8	6	0	0	0	0	0	0	0	0	0	0	5.47	-	-
SCILLY(ST MARYS)	21-9	48	16.9	12.4	14.7	-0.4	18.4	26	8.9	21	-	-	42	59	17	23	11	7	0	0	0	0	0	2	0	0	-	1	5.71	111	-
CHANNEL ISLANDS																														
ALDERNEY	9 9	88	16.4	11.9	14.1	-	19.5	7	9.6	10	15.3	-	85	-	42	7	11	7	0	0	0	0	0	0	0	0	-	0	5.18	-	-
GUERNSEY																														
AIRPORT	21-9	104	16.2	12.1	14.1	-1.1	19.2	11	9.3	20	14.3	14.5	49	64	16	2	12	8	0	0	0	0	0	0	0	0	0	0	5.39	99	-
L'ANCRESSE	9 9	5	17.5	12.3	14.9	-	19.9	11	6.9	4	-	-	49	69	15	2	14	6	0	-	0	0	0	-	0	-	-	0	5.90	-	-
JERSEY																														
AIRPORT	9 9	83	17.2	11.7	14.5	-	21.1	11	8.3	14	15.2	15.2	42	58	14	23	11	8	0	0	0	0	0	0	0	0	0	0	5.36	-	-
GOREY CASTLE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	5.52	-	-
ST HELIER	9 9	47	18.0	11.9	14.9	-1.6	22.2	11	7.9	20	-	-	50	69	18	2	11	8	0	0	0	0	0	0	0	0	-	0	5.55	100	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL (TERMINAL H 09 GMT): PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS-ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
NORTHERN IRELAND																																
LONDONDERRY																																
AGHANLOO	9 9	18	15.6	8.2	11.9	-	19.0	11	3.0	18.19	-	-	51	-	13	30	17	14	-	-	-	-	-	-	0	0	-	-	-	-	-	-
BANAGHER(CRUGH HILL) ...	9 9	216	14.5	7.0	10.7	-	17.5	11	2.7	18.19	-	-	97	-	17	29	19	16	0	0	0	0	0	0	0	4	-	12	3.35	-	-
CARNONEY	9 9	73	14.8	8.2	11.5	-	18.0	11.15	4.0	18.19	-	-	64	-	14	29	16	12	0	0	0	1	0	0	0	-	-	-	3.40	-	-
COLERAINE UNIVERSITY ...	9 9	23	15.1	8.0	11.5	-	19.4	11	0.1	19	12.8	12.9	76	-	13	30	17	13	0	0	1	0	0	2	0	1	-	0	3.32	86	-
COOLKEERAGH ...	9 9	3	15.5	8.3	11.9	-	19.0	11	2.0	18	-	-	40	-	20	29	5	5	-	-	-	-	-	-	0	-	-	-	-	-	-
DERRYNOYD FOREST ...	9 9	88	15.4	7.4	11.4	-	18.5	14	0.3	19	-	-	77	65	16	29	18	13	0	0	0	0	0	0	0	7	-	-	-	-	-
GARVAGH FOREST ...	9 9	88	15.2	7.3	11.3	-	19.9	11	0.2	18	13.2	12.9	60	51	9	30	14	13	0	0	0	0	0	1	0	5	-	-	-	-	-
LOUGHERMORE FOREST ...	9 9	174	14.6	6.8	10.7	-	17.8	11	-1.6	18	-	-	84	77	15	29	18	16	0	0	0	0	0	2	0	7	-	4	-	-	-
MONEYDIG	9 9	34	15.5	7.3	11.4	-1.0	18.7	2	0.1	19	-	-	52	52	7	30	18	14	-	-	-	-	-	-	0	7	1	-	-	-	-
SOMERSET FOREST ...	9 9	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																																
ALDERGROVE AIRPORT ...	21-9	68	15.2	8.6	11.9	-0.8	19.4	11	1.4	19	13.4	13.0	54	60	12	27	19	14	0	0	0	0	0	1	0	5	0	0	3.28	95	-
ALTNAHINCH	9 9	226	13.8	7.4	10.6	-	17.3	11	1.7	18	-	-	93	62	17	30	18	15	0	0	0	0	0	1	0	4	-	0	3.29	-	-
BALLYLUMFORD	9 9	24	15.8	9.3	12.5	-	19.2	11	5.2	18	-	-	56	-	13	27	14	11	-	-	-	-	-	-	0	0	-	-	-	-	-
BALLYMONEY	9 9	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALLYPATRICK FOREST ...	9 9	152	14.3	7.8	11.1	-	19.2	11	2.5	19	-	-	92	73	25	30	20	15	0	-	0	0	0	0	0	3	-	0	3.70	-	-
CARNLOUGH	9 9	12	16.2	8.9	12.5	-	19.8	10.11	2.9	19	-	-	74	-	18	30	16	10	0	-	0	0	0	0	0	-	-	-	-	-	-
DIVIS MOUNTAIN	9 9	363	13.0	6.5	9.7	-	16.1	11	2.6	18	-	-	134	113	17	27	18	18	0	-	0	0	0	0	0	-	-	-	-	-	-
GREENMOUNT	9 9	32	15.6	8.5	12.1	-	19.1	11	1.1	19	13.9	-	53	62	13	27	16	14	0	0	0	0	-	-	0	3	-	-	-	-	-
HYDE PARK (MALLUSK) ...	9 9	140	15.0	8.3	11.7	-	17.9	11	4.8	9	-	-	90	-	15	25	18	17	-	0	-	-	-	-	0	1	-	-	-	-	-
KILROOT POWER STATION	9 9	12	15.9	9.6	12.7	-	19.8	11	5.0	13.18	-	-	55	-	11	27	18	14	-	0	-	-	-	-	0	0	-	-	-	-	-
LISNAFILLAN	9 9	38	15.6	7.1	11.3	-	19.0	11	1.0	9	-	-	68	70	15	29	18	14	0	0	0	0	0	0	0	8	-	-	3.58	-	-
LOWTOWN	9 9	271	13.5	7.2	10.3	-	16.5	11	3.0	18	11.3	-	120	84	22	29	20	16	0	0	0	0	0	1	0	4	-	2	2.79	-	-
PARKMORE FOREST ...	9 9	235	13.7	6.8	10.3	-	17.5	11	2.5	18	12.1	-	127	78	26	30	20	16	0	0	0	0	0	0	0	7	-	5	-	-	-
WOODBURN NORTH ...	9 9	217	14.5	8.0	11.3	-	17.5	11	3.5	9	-	-	92	77	16	27	18	15	0	0	0	0	0	1	0	1	-	-	-	-	-
BELFAST																																
ANDERSONSTOWN	9 9	64	15.8	8.9	12.3	-	19.8	11	3.2	18	-	-	90	-	12	29	18	15	0	0	0	0	0	2	0	0	-	-	-	-	-
MALONE	9 9	35	15.3	8.7	12.0	-	20.0	11	3.5	9	13.6	-	59	-	9	27	17	12	-	-	-	-	-	-	0	5	-	-	3.07	-	-
MILLTOWN	9 9	37	16.1	8.8	12.5	-	20.3	11	3.6	9	-	-	55	-	9	24	16	13	0	0	0	0	0	0	0	0	-	-	-	-	-
NEWTOWNABBEY	9 9	32	15.8	10.1	12.9	-	20.1	11	5.9	9,19	14.1	-	71	72	12	27	17	14	0	0	0	0	0	0	0	2	0	0	3.24	-	S
ROSEBANK	9 9	47	16.0	9.0	12.5	-	19.5	11	4.0	9	-	-	63	-	10	24	18	15	-	0	-	-	-	-	0	-	-	-	-	-	-
ROSETTA	9 9	24	16.0	9.0	12.5	-	19.4	11	4.0	9	-	-	64	71	10	24	15	12	0	0	0	0	0	0	0	-	-	-	-	-	-
STORMONT CASTLE ...	9 9	56	15.5	9.2	12.3	-	19.9	11	3.8	9	13.8	13.8	64	70	9	27	17	15	0	0	0	0	0	0	0	3	-	-	3.09	-	-
DOWN																																
BANGOR SEACOURT ...	9 9	15	15.8	10.4	13.1	-	20.2	11	6.5	9	14.2	14.5	59	-	9	27	17	13	0	0	0	0	0	0	0	0	-	-	3.40	-	-
BALLYWALTER PARK ...	- -	11	-	-	-	-	-	-	-	-	-	-	47	55	11	27	16	11	-	-	-	-	-	-	-	-	-	-	3.89	-	-
BALLYWATTICOCK	9 9	6	15.8	9.4	12.6	-	20.2	11	3.5	18	-	-	47	61	8	24	15	12	0	0	0	0	0	0	0	1	-	-	3.71	-	-
CREIGHTONS GREEN ...	9 9	119	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DOWNPATRICK	9 9	26	16.2	9.5	12.9	-	21.3	11	2.6	19	-	-	43	-	8	24	15	9	-	-	-	-	-	-	0	0	-	-	-	-	-
HELENS BAY	9 9	43	15.7	9.7	12.7	-	19.9	11	5.6	9	-	-	58	69	10	27	16	13	0	0	0	0	0	0	0	0	-	1	3.56	-	-
HILLSBOROUGH	9 9	116	15.0	8.5	11.7	-0.7	19.6	11	3.0	18	13.0	12.6	52	58	9	27	18	13	0	0	0	0	0	1	0	6	-	2	3.52	101	-
MURLOUGH	9 9	9	-	8.9	-	-	-	-	2.5	19	12.6	12.2	43	-	9	27	17	10	0	0	0	0	0	0	0	5	-	7	3.65	-	-
ARMAGH																																
ARMAGH	9 9	62	15.8	8.7	12.3	-0.7	19.3	11	1.9	18	14.6	14.8	47	59	10	27	16	14	0	0	0	0	0	0	0	3	-	6	3.11	88	-
LOUGHGALL	9 9	25	16.0	8.2	12.1	-	19.8	11	0.8	18	-	-	52	69	11	27	19	15	0	0	0	0	0	2	0	6	-	0	3.57	-	-
LURGAN	9 9	55	16.1	8.6	12.3	-	19.8	11	0.4	18	13.5	13.6	47	59	11	27	18	13	0	-	0	0	0	-	0	6	-	-	3.49	-	-
TANDRAGEE	9 9	43	16.8	8.2	12.5	-	20.6	11	0.4	19	-	-	42	-	10	27	12	12	-	-	-	-	-	-	0	-	-	-	-	-	-
TYRONE																																
ALTAVEEDAN	9 9	175	14.7	7.3	11.0	-	17.2	11	1.8	9	-	-	89	-	19	29	19	13	-	-	-	-	-	-	0	0	-	-	-	-	-
CARRIGANS	21-9	113	15.0	8.0	11.5	-	18.8	19	-0.4	19	-	-	82	72	17	29	18	16	0	0	0	0	0	1	1	4	1	0	3.13	-	-
COOKSTOWN	9 9	77	15.1	7.5	11.3	-	18.2	11	1.1	19	13.0	-	59	62	11	29	16	14	0	0	0	0	0	0	0	4	-	-	3.49	-	-
LOUGH BRADAN	9 9	169	14.3	6.4	10.3	-	16.8	19	-0.1	9	-	-	143	100	26	29	21	17	-	0	-	-	-	0	1	6	-	-	3.28	-	-
POMEROY FOREST	9 9	174	14.8	7.7	11.3	-	17.8	11	1.6	19	13.5	-	93	84	19	29	18	15	0	0	0	0	0	0	0	1	-	-	-	-	-
STRABANE CONVENT ...	9 9	44	15.6	7.9	11.7	-	18.4	11	0.9	18	-	-	77	78	15	29	17	16	0	0	0	0	0	5	0	1	-	5	3.22	-	-
TIEVENNY	9 9	41	15.4	7.4	11.4	-	18.0	11.19	-0.5	9	-	-	71	-	15	29	19	15	-	-	-	-	-	-	1	4	-	-	-	-	-
FERMANAGH																																
CASTLE ARCHDALE FOREST	9 9	66	15.3	7.2	11.3	-1.0	18.3	19	-1.0	19	13.3	13.4	78	68	19	29	18	15	0	0	0	0	0	0	1	6	-	0	3.38	95	-
CORDARY	9 9	156	14.9	7.5	11.2	-	18.2	11	0.2	19	-	-	86	-	14	29	18	16	0	-	0	0	0	0	0	2	0	-	-	-	-
KNOCKARAVAN	9 9	53	15.2	7.5	11.3	-	19.0	11.19	1.3	19	-	-	80	-	16	29	12	10	0	0	0	0	0	0	0	3	0	-	-	-	-
LISNASKEA	9 9	49	15.6	7.2	11.4	-	18.1	14	-0.8	19	-	-	69	72	11	5	17	11	0	0	0	0	0	1	0	3	-	-	3.27	-	-
LOUGH NAVAR FOREST ...	9 9	148	14.8	6.5	10.7	-	18.7	19	-1.0	18.19	-	-	114	75	26	29	19	17	0	0	0	0	0	0	2	6	-	-	-	-	-
PUBBLE FOREST	9 9	91	15.3	7.0	11.1	-	18.0	19	-1.0	19	-	-	72	66	13	29	17	13	0	-	0	0	0	0	1	7	-	-	-	-	-

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

SEPTEMBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT								VISIBILITY								WIND SPEED AND DIRECTION													
									OKTAS																BEAUFORT FORCE													
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 199M	200 - 399M	400 - 999M	1000 - 1999M	2000 - 3999M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	8 OR MORE	6-7	4-5	1-3	CALM	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS								SPEED (KT)								34 OR MORE	22-33	11-21	1-10	0								
0 SCOTLAND N SHETLAND																																					
FAIR ISLE	61	9	1015.3	-	9.8	1.0	10.6	87	6.1	0	3	6	12	8	1	0	0	1	0	0	1	1	4	17	6	4	8	15	3	0	8	3	0	2	4	4	7	2
		15	1015.4	-	10.6	1.3	10.7	83	6.1	0	2	7	9	11	1	0	1	0	0	2	1	2	8	11	5	4	8	14	3	1	8	2	0	3	2	3	8	3
		21	1015.2	-	9.3	0.9	10.4	88	6.4	0	4	1	16	9	0	0	0	0	0	1	1	2	6	15	5	1	12	10	7	0	6	2	1	2	3	6	6	4
LERWICK	83	3	1014.5	-	8.6	1.6	9.1	80	5.6	0	5	6	9	10	0	0	0	1	0	0	3	2	11	10	3	0	5	13	12	0	6	0	0	2	7	6	4	5
		9	1014.7	+ 5.3	9.6	1.9	9.4	78	5.9	0	5	6	8	9	2	0	1	1	0	0	0	3	5	10	9	4	1	4	17	8	0	6	1	0	3	5	6	8
		15	1014.6	-	10.4	2.2	9.5	75	6.2	0	3	7	9	10	1	0	1	0	0	1	0	7	9	7	5	1	5	14	10	0	4	2	0	4	3	6	8	3
		21	1014.5	-	8.7	1.4	9.3	82	6.1	0	3	5	10	12	0	0	0	0	0	2	2	5	9	7	5	0	5	16	9	0	5	3	0	2	5	5	7	3
ORKNEY																																					
KIRKWALL	26	3	1015.4	-	9.5	0.8	10.7	89	6.4	0	2	6	8	14	0	0	0	0	0	0	0	3	4	18	5	1	3	17	9	0	6	1	1	2	7	2	8	3
		9	1015.8	+ 6.0	10.7	1.2	11.1	85	6.3	0	2	5	15	8	0	0	0	0	0	0	1	2	5	15	7	0	4	16	10	0	6	3	1	2	5	1	10	2
		15	1015.8	-	11.4	1.6	10.9	80	5.9	0	5	4	11	10	0	0	0	0	0	0	4	6	9	11	0	0	7	14	9	0	5	1	1	5	1	4	9	4
		21	1015.7	-	9.4	0.8	10.6	89	5.9	0	5	5	9	11	0	0	0	0	0	1	0	1	7	14	7	0	4	13	11	0	3	2	2	2	5	4	8	4
WESTERN ISLES																																					
BENBECULA	7	3	1016.2	-	10.1	0.7	11.3	91	5.3	3	4	5	6	12	0	0	0	0	1	0	2	4	2	13	8	0	8	11	9	2	0	4	2	3	5	4	9	1
		9	1016.8	+ 6.7	11.3	1.0	11.8	88	6.1	0	4	3	16	7	0	0	0	0	0	0	2	4	16	8	0	2	19	9	0	3	3	6	3	1	7	6	1
		15	1016.8	-	12.5	1.3	12.3	85	5.3	0	5	9	9	7	0	0	0	0	0	0	1	3	5	12	9	0	7	18	5	0	1	4	2	2	5	6	7	3
		21	1016.8	-	10.3	0.8	11.3	89	4.6	2	10	4	4	10	0	0	0	0	0	0	0	5	5	12	8	0	7	11	10	2	0	3	5	1	3	6	9	1
STORNOWAY	5	3	1015.5	-	9.4	0.6	11.0	92	5.5	0	8	3	6	13	0	0	0	0	0	0	0	4	6	18	2	0	5	9	15	1	1	1	3	3	3	6	10	2
		9	1016.1	+ 6.2	10.7	1.0	11.3	87	6.0	0	3	7	10	10	0	0	0	0	0	1	1	6	16	6	0	3	15	11	1	2	2	2	5	3	8	7	0	2
		15	1016.0	-	11.7	1.5	11.3	82	5.7	0	3	9	9	9	0	0	0	0	0	0	1	4	7	12	6	0	7	13	10	0	0	6	1	2	5	4	9	2
		21	1016.0	-	9.9	0.8	10.9	89	5.0	1	9	3	8	9	0	0	0	0	0	0	1	4	6	18	2	0	7	9	14	0	1	2	6	1	4	5	9	2
HIGHLAND																																					
CAPE WRATH	113	3	1014.8	-	9.9	1.1	10.5	86	6.2	0	3	7	5	12	3	0	2	1	0	0	0	2	20	5	2	3	8	16	1	0	0	4	3	2	8	6	6
		9	1015.5	-	10.1	1.2	10.6	85	6.4	0	2	7	9	11	1	0	0	1	0	0	0	0	5	19	5	1	5	8	16	0	0	3	1	6	2	9	6	3
		15	1015.4	-	10.9	1.5	10.7	82	6.1	0	3	7	11	6	3	0	0	2	1	0	0	0	5	17	5	1	4	12	13	0	3	1	5	3	3	6	7	2
		21	1015.4	-	9.8	1.2	10.3	84	6.7	0	1	5	10	14	0	0	0	0	0	0	0	3	4	17	6	3	2	9	16	0	1	2	5	3	1	7	6	5
DALCROSS	12	9	1017.2	-	11.4	1.7	10.8	80	6.4	0	3	3	15	9	0	0	0	0	0	0	0	2	2	17	9	0	3	12	15	0	4	3	0	3	2	14	4	0
		15	1017.0	-	13.4	2.7	10.7	69	5.8	0	3	8	11	8	0	0	0	0	0	0	0	4	10	16	0	0	4	16	10	0	1	5	4	1	1	7	10	1
WICK	37	3	1016.0	-	9.2	1.0	10.2	86	5.6	0	6	4	12	8	0	0	0	0	0	0	0	2	3	17	8	0	3	14	13	0	3	1	1	2	7	5	7	4
		9	1016.4	+ 6.1	10.6	1.4	10.7	83	6.1	0	4	5	12	9	0	0	0	0	0	0	1	6	13	10	0	3	14	13	0	6	1	1	2	4	6	7	3
		15	1016.2	-	12.1	2.2	10.5	74	5.9	0	3	7	14	6	0	0	0	0	0	1	0	3	2	11	13	0	3	17	10	0	3	2	2	5	1	3	9	5
		21	1016.5	-	9.3	1.1	10.2	86	5.4	0	6	4	16	4	0	0	0	0	0	0	1	1	4	13	11	0	1	18	11	0	3	2	0	3	5	5	8	4
1 SCOTLAND E GRAMPIAN																																					
DYCE	59	3	1017.5	-	9.4	1.1	10.2	85	5.7	1	6	4	7	12	0	0	0	0	0	0	1	4	1	12	12	0	0	11	18	1	1	0	0	2	6	7	4	9
		9	1017.6	+ 6.1	11.3	1.7	10.7	80	6.7	0	3	2	11	14	0	0	0	0	0	0	3	2	5	7	13	0	2	14	13	1	4	0	2	3	6	4	4	6
		15	1017.3	-	13.3	2.6	10.9	71	6.4	0	2	4	11	13	0	0	0	0	0	1	1	2	3	7	16	0	1	17	12	0	7	1	1	3	6	2	4	6
		21	1017.9	-	9.9	1.4	10.1	82	5.0	1	9	3	7	10	0	0	0	0	0	2	0	5	1	6	16	0	0	11	18	1	2	0	1	2	6	7	6	5
FRASERBURGH	22	3	1017.4	-	10.3	1.3	10.6	84	5.9	0	4	8	7	11	0	0	0	0	0	0	0	0	12	18	0	1	4	11	14	0	1	1	1	2	7	7	2	9
		9	1017.7	+ 6.5	11.4	1.7	10.7	79	6.3	0	2	7	10	11	0	0	0	0	0	0	0	0	11	19	0	0	2	17	11	0	5	1	2	3	5	4	5	5
		15	1017.5	-	12.5	2.0	11.2	77	6.4	0	1	10	2	17	0	0	0	0	0	0	0	0	5	25	0	0	4	9	17	0	6	1	1	5	3	3	6	5
		21	1017.7	-	10.8	1.6	10.4	80	5.9	0	6	3	9	12	0	0	0	0	0	0	0	0	7	23	0	0	3	14	13	0	4	1	1	4	6	5	4	5
KINLOSS	6	3	1016.9	-	10.3	1.3	10.5	83	5.9	0	6	3	11	10	0	0	0	0	0	0	0	1	3	15	11	0	4	8	17	1	1	0	3	1	3	3	3	3
		9	1017.1	+ 6.2	11.7	1.7	10.9	79	6.5	0	2	4	14	10	0	0	0	0	0	0	1	3	4	10	13	0	3	12	15	0	2	4	1	2	3	10	5	4
		15	1016.9	-	13.5	2.6	11.1	71	6.0	0	3	7	13	7	0	0	0	0	0	0	2	4	7	17	0	0	5	14	11	0	2	5	1	2	2	8	6	4
		21	1017.4	-	10.4	1.5	10.3	81	5.5	0	5	5	14	6	0	0	0	0	0	0	2	4	9	15	0	1	14	15	0	2	1	4	1	7	13	2	0
LOSSIEMOUTH	6	3	1016.7	-	10.0	1.5	10.0	81	5.9	0	6	3	10	11	0	0	0	0	0	0	1	3	7	19	0	3	10	16	1	5	0	2	1	5	11	5	0
		9	1016.9	-	11.6	1.9	10.5	77	6.4	0	3	3	14	10	0	0	0	0	0	1	2	6	5	16	0	0	17	13	0	6	1	4	2	2	11	3	1
		15	1016.8	-	13.3	2.8	10.6	69	5.8	0	3	9	9	9	0	0	0	0	0	0	1	4	7	18	0	0	2	19	9	0	5	2	2	2	6	9	2	1
		21	1017.2	-	10.4	1.7	10.0	79	5.7	0	7	2	13	8	0	0	0	0	0	0	1	5	10	14	0	0	0	17	11	2	3	0	3	3	4	10	4	1
TAYSIDE																																					
USAN	35	9	1018.0	-	11.6	1.6	11.2	81	6.1	0	5	3	9	13	0	0	0	0	0	0	0	2	4	8	16	0	6	11	9	4	8	1	0	2	4	8	3	0
		15	1017.7	-	13.8	2.8	11.0	69	6.2	0	0	8	11	11	0	0	0	0	0	0	0	2	0	6	22	0	4	16	8	2	7	2	0	3	2	8	5	1
		21	1018.3	-	10.8	1.5	10.6	80	4.2	1	12	4	6	7	0	0	0	0	0	0	0	2	1	6	21	0	3	13	13	1	7	1	0	2	5	8	6	0
FIFE																																					
LEUCHARS	12	3	1018.3	-	9.4	1.2	10.1	84	5.5	2	5	3	10	10	0	0	0	0	0	0	0	2	4	9	16	3	0	2	8	17	3	5	0	2	0	4	12	3	1
		9	1018.2	+ 6.4	12.2	1.9	11.2	77	6.2	0	4	3	16	7	0	0	0	0	0	0	0	4	7	9	10	0	7	10	11	2	4	2	1	2	3	10	5	1
		15	1018.1	-	14.0	2.9	11.0	69	6.2	0	3	4	14	9	0	0	0	0	0	0	1	1	8	8	12	0	4	22	4	0	0	4	7	1	2	9	7	0
		21	1018.8	-	10.6	1.6	10.4	80	5.1	1	10	0	11	8	0	0	0	0	0	1	0	1	8	12	8	0	2	11	17	0	3	4	3	0	4	12	4	0
LOTHIAN																																					
TURNHOUSE	44	3	1018.7	-	10.3	1.2	10.8	85	5.0	1	9	2	10	8	0	0	0	0	0	0	0	3	4	20	3	0	2	9	16	3	0	4	2	1	2	9	8	0
		9	1018.7	+ 6.4	12.4	1.5	11.9	82	6.3	0	4	2	17	7	0	0	0	0	0	0	0	4	11	11	4	0	4	12	12	0	0	2	2	1	2	11	7	3
		15	1018.6	-	14.0	2.6	11.5	71	6.5	0	2	4	14	10	0	0	0	0	0	0	0	2	10	11	7	0	3	17	10	0	1	1	1	2	6	9	1	0
		21	1019.3	-	11.0	1.2	11.2	84	5.8	0	5	5	12	8	0	0	0	0	0	0	1	5	7	13	4	0	1	12	15	2	0	2	6	2	2	9	7	0
6 SCOTLAND W STRATHCLYDE																																					
ABBOTSINCH	9	3	1018.7	-	10.2	1.0	11.0	87	5.9	2	4	2	11	11	0	0	0	0	0	0	1	10	9	8	2	0	1	9	16	4	1	1	4	1	4	8	7	0
		9	1018.7	+ 6.4	11.9	1.4	11.8	83	6.2	0	4	3	16	7	0	0	0	0	0	0	1	9	10	7	3	0	1	10	19	0	2	1	4	0	2	8	9	2
		15	1018.7	-	14.3	2.6	11.7	72	6.1	1	1	8	10	10	0	0	0	0	0	0	0	4	11	9	6	0	0	15	14	1	0	1	6	0	2	7	10	3
		21	1019.2	-	11.2	1.4	11.2	83	5.5	0	8	4	8	10	0	0	0	0	0	0	1	9	8	8	4	0	0	8	20	2	0	4	6	1	3	7	6	1
GLASGOW WEATHER CENTRE	17 (X)	3	1019.2	-	-	-	-	-	5.8	3	3	4	8	12	0	0	0	0	0	0	1	10	5	14	0	0	0	6	23	1	1	1	4	5	8	9	1	0
		9	1019.2	-	12.0	1.8	11.2	78	6.3	0	4	2	17	7	0	0	0	0	0	0	0	8	10	10	2	0	0	10	20	0	1	1	4	1	4	15	0	3
		15	1019.0	-	14.2	3.0	11.0	68	6.2	0	1	9	6	14	0	0	0	0	0	0	0	4	9	7	10	0	0	10	20	0	1	1	6	0	1	8	9	1
		21	1019.6	-	11.8	1.8	11.0	78	5.7	1	6	2	12	9	0	0	0	0	0	0	0	7	9	10	4	0	0	3	25	2	0	0	8	2	1	6	9	2
MACHRIHANISH	14	3	1018.5	-	10.6	1.0	11.4	88	5.1	1	7	5	7	10	0	0	0	0	0	0	2	4	4	15	5	0	8	12	9	1	1	1	3	5	6	3	8	2
		9	1018.9	-	12.1	1.2	12.2	85	6.7	0	1	6	9	14	0	0	0	0	0	0	0	2	5	7	15	1	0	6	15	8	1	0	0	5	4	3	5	8	4
		15	1018.9	-	13.3	1.9	12.2	79	6.2	0	4	5	9	12	0	0	0	0	0	0	0	4	11	9	6	0	0	5	16	9	0	1	0	3	2	5	2	14	3
		21	1019.1	-	11.2	1.2	11.4	85	5.1	1	7	5	6	11	0	0	0	0	0	0	2	3	7	10	8	1	5	11	12	1	0	2	2	5	4	4	7	5
PRESTWICK	21	3	1019.4	-	10.3	1.1	11.0	87	5.9	0	7	1	9	13	0	0	0	0	0	0	0	7	10	12	1	0	1	15	11	0	1	1	5	5	5	6	2	1
		9	1019.6	+ 7.2	12.0	1.4	11.8	83	6.3	0	2	7	14	7	0	0	0	0	0	0	0	6	14	8	2	0	3	15	10	2	1	1	4	2	2	8	9	2
		15	1019.4	-	13.8	2.3	11.8	74	6.5	0	1	8	8	13	0	0	0	0	0	0	0	7	5	11	7	0	3	20	7	0	0	2	5	1	3	5	8	3
		21	1019.8	-	11.1	1.0	11.7	87	5.5	1	5	5	7	12	0	0	0	0	0	0	1	7	6	12	4	0	0	15	12	3	1	0	4	3	6	5	5	3
RHUVAAL	19	3	1018.3	-	11.4	1.2	11.6	85	5.7	0	7	5	5	13	0	0	0	0	0	0	1	2	2	7	10	15	1	4	11	10	4	1	0	1	4	6	4	7
		9	1018.5	-	12.0	1.3	12.0	84	6.9	0	1	3	9	17	0	0	0	0	0	0	0	3	7	9	11	1	4	11	13	1	2	0	2	1	4	6	11	1
		15	1018.9	-	13.1	2.0	11.7	77	6.3	0	4	3	10	13	0	0	0	0	0	0	0	4	5	10	11	0	3	14	10	3	1	0	1	3	2	4	13	3
		21	1019.0	-	11.6	1.4	11.3	82	5.2	0	9	4	5	12	0	0	0	0	0	0	1	2	1	12	14	1	4	11	9	5	1	0	2	2	4	6	7	3

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

SEPTEMBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT								VISIBILITY							WIND SPEED AND DIRECTION									
									OKTAS															BEAUFORT FORCE									
																								8 OR MORE	6-7	4-5	1-3	CALM					
																								SPEED (KT)									
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 199M	200 - 399M	400 - 999M	1000 - 1999M	2000 - 3999M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
			NUMBER OF OBSERVATIONS																																
6 SCOTLAND W-CONTD.																																			
STRATHCLYDE -CONTD.																																			
SLOY	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	11.7	1.6	11.3	81	6.8	1	2	1	8	18	0	0	0	0	0	0	0	0	0	11	19	0	0	0	6	22	2	1	5	0	4	3	6	4	5
		15	-	-	13.9	2.7	11.3	70	6.4	1	2	4	8	15	0	0	0	0	0	0	0	0	9	21	0	0	0	0	3	26	1	1	5	0	3	8	3	4	5
		21	-	-	11.1	1.5	10.8	81	6.1	2	2	4	8	14	0	0	0	0	0	0	0	0	7	22	1	0	0	0	2	25	3	0	2	0	2	5	5	5	8
TIREE	10	3	1017.1	-	10.8	0.9	11.6	88	6.1	1	5	3	4	17	0	0	0	0	0	0	2	5	7	6	10	0	8	11	8	3	1	2	0	3	6	6	6	3
		9	1017.6	+ 6.6	12.0	1.1	12.2	87	6.5	0	2	5	13	10	0	0	0	0	0	0	1	5	12	4	8	0	9	11	8	2	1	1	3	3	4	5	9	2
		15	1017.8	-	12.8	1.7	11.9	80	5.8	0	6	4	10	10	0	0	0	0	0	0	1	5	8	7	9	0	8	15	7	0	5	1	0	0	5	4	6	7	3
		21	1017.8	-	10.8	1.2	11.2	85	4.6	3	10	2	7	8	0	0	0	0	0	0	2	4	6	11	7	0	8	11	8	3	3	1	0	4	3	5	7	4
DUMFRIES & GALLOWAY																																			
ESKDALEMUIR	237	3	1020.0	-	8.7	0.8	10.4	90	6.0	3	2	4	5	16	0	0	0	1	0	1	0	7	5	14	2	1	1	12	12	4	6	1	2	1	7	5	3	1
		9	1019.8	+ 6.9	10.6	1.1	11.3	86	6.7	0	3	2	9	16	0	0	0	0	0	1	3	6	7	10	3	0	5	12	12	1	1	1	3	0	7	8	3	0
		15	1019.4	-	12.3	2.0	11.3	78	6.6	0	2	4	11	13	0	0	0	0	0	1	1	4	7	11	6	1	3	15	10	1	5	1	1	2	0	8	8	4	1
		21	1020.3	-	9.3	0.8	10.7	89	6.5	0	3	3	10	14	0	0	0	0	0	1	10	4	14	1	0	1	6	20	3	8	0	1	2	9	5	2	0
2 ENGLAND E & NE																																			
NORTHUMBERLAND																																			
BOULMER	27	3	1019.3	-	10.3	0.9	11.3	89	4.7	6	5	3	7	9	0	0	0	0	0	0	3	3	4	9	11	1	0	10	19	0	5	0	0	2	8	5	8	2
		9	1019.4	-	12.6	1.4	12.4	84	5.9	0	5	5	11	9	0	0	0	0	0	2	0	5	5	6	12	0	0	19	10	1	5	0	1	0	5	3	6	8	2
		15	1019.3	-	13.8	1.8	12.7	80	6.6	0	0	8	11	11	0	0	0	0	0	1	1	1	8	9	10	0	3	18	9	0	9	1	1	2	3	8	4	2
		21	1019.7	-	10.9	0.9	11.7	89	5.0	1	8	4	7	10	0	0	0	0	0	0	3	3	3	13	8	0	1	12	17	0	6	0	0	2	6	9	6	1
SEAHOUSES	12	3	1019.0	-	-	-	-	-	4.9	4	4	7	5	10	0	0	0	0	0	0	2	3	3	20	2	0	1	13	16	0	6	1	0	1	5	5	12	0
		9	1019.0	-	-	-	-	-	6.0	0	4	6	10	10	0	0	0	0	0	2	0	6	3	14	5	0	2	18	8	2	6	1	0	1	4	4	11	1
		15	1018.9	-	-	-	-	-	6.8	0	1	2	17	10	0	0	0	0	0	1	1	4	7	11	6	0	5	18	7	0	8	2	1	1	2	7	7	2
		21	1019.4	-	-	-	-	-	5.5	2	5	5	9	9	0	0	0	0	0	0	3	2	4	20	1	0	2	12	14	2	7	0	0	1	4	6	10	0
TYNE & WEAR																																			
NEWCASTLE	72	3	1020.2	-	10.8	1.4	10.9	83	4.9	5	4	5	5	11	0	0	0	0	1	0	2	5	6	11	5	0	0	4	24	2	5	0	0	2	6	5	9	1
WEATHER CENTRE (X)		9	1020.4	-	12.6	1.9	11.5	78	6.2	0	3	5	12	10	0	0	0	0	0	0	5	4	6	11	4	0	1	8	21	0	6	0	0	3	4	5	11	1
		15	1020.0	-	14.5	3.0	11.2	68	6.5	0	1	7	11	11	0	0	0	0	0	0	2	4	3	14	7	0	0	13	17	0	4	4	0	2	4	4	11	1
		21	1020.6	-	12.0	1.6	11.5	81	5.7	2	5	2	9	12	0	0	0	0	0	0	2	7	8	13	0	0	0	4	25	1	6	0	0	2	7	5	7	2
TYNEMOUTH	40	3	1020.4	-	11.4	1.0	12.0	88	5.0	6	2	6	5	11	0	0	0	0	0	0	3	12	15	0	0	0	3	19	8	0	6	1	0	2	8	1	12	0
		9	1020.5	+ 7.1	12.7	1.2	12.7	86	6.3	0	2	7	8	13	0	0	0	0	0	1	2	4	15	8	0	0	5	15	9	1	7	0	0	2	7	1	12	0
		15	1020.3	-	14.3	2.2	12.6	77	6.8	0	0	5	12	13	0	0	0	0	0	0	2	2	15	11	0	0	1	22	7	0	7	1	0	3	4	1	13	1
		21	1020.8	-	12.4	1.3	12.3	84	5.6	1	7	3	8	11	0	0	0	0	0	0	0	4	14	12	0	0	5	12	11	2	7	0	1	1	6	3	8	2
NORTH YORKSHIRE																																			
LEEMING	33	3	1020.9	-	10.6	1.2	10.9	85	5.0	5	3	5	6	11	0	0	0	1	1	0	3	3	3	11	8	0	0	11	17	2	4	0	1	6	6	2	4	5
		9	1021.2	+ 7.2	12.9	1.9	11.8	78	6.6	0	1	6	11	12	0	0	0	0	0	0	5	3	6	9	7	0	2	16	12	0	6	0	0	5	6	4	5	4
		15	1020.6	-	15.3	3.2	11.7	67	6.5	0	3	3	14	10	0	0	0	0	0	0	2	3	6	8	11	0	3	17	10	0	8	1	1	3	3	4	10	0
		21	1021.2	-	12.2	1.6	11.7	81	5.9	1	5	3	7	14	0	0	0	0	0	0	2	6	2	12	8	0	1	9	20	0	6	0	0	4	5	6	6	3
WHITBY C.G.	66	3	1020.7	-	11.3	1.3	11.3	83	5.3	1	7	5	4	13	0	0	0	0	0	1	4	4	6	15	0	1	3	14	13	0	5	2	0	2	8	9	4	0
		9	1020.9	-	12.9	1.7	11.9	80	6.3	0	1	7	9	13	0	0	0	0	1	0	0	5	4	11	9	0	1	17	11	1	4	2	0	1	9	8	1	4
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1020.9	-	12.4	1.6	11.8	81	6.3	0	4	4	9	13	0	0	0	0	0	0	0	4	6	11	9	0	3	11	14	2	4	5	0	2	6	7	3	1
HUMBERSIDE																																			
SPURN POINT	20	3	1021.3	-	12.6	1.5	12.1	82	5.5	1	4	8	7	9	1	0	1	0	0	0	0	2	15	12	0	0	0	18	9	3	7	0	0	2	6	4	4	4
		9	1021.7	-	13.6	1.9	12.3	78	5.7	0	3	8	11	8	0	0	0	0	0	1	2	1	16	10	0	0	0	18	10	2	7	0	0	1	5	7	5	3
		15	1021.2	-	15.8	3.3	12.0	66	6.3	0	3	4	16	7	0	0	0	0	0	0	1	1	17	11	0	0	2	18	8	2	8	0	1	4	1	5	8	1
		21	1021.6	-	13.6	1.9	12.4	79	6.4	1	2	4	10	13	0	0	0	0	0	0	0	3	17	10	0	0	1	16	13	0	9	0	1	1	5	5	8	1
LINCOLNSHIRE																																			
BINBROOK	112	3	1021.3	-	10.5	0.8	11.5	90	6.1	1	4	3	6	16	0	0	1	1	0	0	4	6	5	13	0	0	1	14	15	0	6	1	0	2	4	9	4	4
		9	1021.8	-	12.8	1.6	12.1	81	6.0	0	3	5	16	6	0	0	0	0	0	0	1	8	6	15	0	0	2	20	8	0	7	1	1	1	3	9	5	3
		15	1021.0	-	15.4	3.3	11.5	66	6.7	0	0	6	16	8	0	0	0	0	0	0	0	5	6	18	1	0	5	18	7	0	6	2	2	1	3	4	11	1
		21	1021.6	-	11.7	1.3	11.7	84	5.9	0	4	7	6	13	0	0	0	0	0	0	6	4	8	12	0	0	1	12	17	0	8	1	1	1	5	6	5	3
WADDINGTON	70	3	1021.7	-	10.9	1.0	11.5	87	5.7	3	2	5	9	11	0	0	0	0	1	1	1	7	8	11	1	0	1	7	22	0	5	0	1	2	3	11	2	6
		9	1022.2	+ 7.3	13.3	1.8	12.2	79	5.8	0	4	5	16	5	0	0	0	0	0	0	2	5	8	12	3	0	1	15	15	0	3	1	1	1	3	10	4	7
		15	1021.3	-	16.2	3.7	11.7	63	6.6	0	0	7	15	8	0	0	0	0	0	0	0	3	3	20	4	0	1	17	12	0	7	1	1	1	4	6	7	3
		21	1021.9	-	12.5	1.6	11.9	81	5.8	0	5	5	10	10	0	0	0	0	0	0	1	8	9	12	0	0	0	10	19	1	6	1	2	1	5	6	7	1
3 EAST ANGLIA																																			
NORFOLK																																			
COLTISHALL	17	3	1021.6	-	11.7	1.2	11.9	86	5.7	1	2	9	6	12	0	0	0	0	1	2	2	6	11	8	0	0	1	6	21	2	6	0	1	1	3	5	9	3
		9	1022.3	-	14.3	1.9	13.0	79	6.6	0	1	4	19	6	0	0	0	0	0	0	0	8	9	8	5	0	0	12	18	0	8	1	0	1	3	6	7	4
		15	1021.6	-	17.2	3.7	12.7	64	6.6	0	0	6	18	6	0	0	0	0	0	0	0	3	6	14	7	0	2	12	16	0	8	1	2	1	3	4	8	3
		21	1022.0	-	13.0	1.5	12.5	83	5.9	2	3	3	14	8	0	0	0	0	0	0	1	4	11	12	2	0	1	8	19	2	7	0	2	2	6	3	6	2
MARHAM	24	3	1021.9	-	11.1	0.8	12.1	91	5.8	2	4	3	7	14	0	0	0	0	0	3	0	3	6	7	11	0	0	0	7	23	0	7	1	2	1	7	7	3	2
		9	1022.6	+ 7.2	13.7	1.5	13.0	82	6.5	0	2	3	16	9	0	0	0	0	0	1	1	6	5	9	8	0	1	12	18	0	3	4	1	1	2	10	4	5
		15	1021.6	-	17.0	3.9	12.1	63	6.6	0	0	5	22	3	0	0	0	0	0	0	0	2	4	16	8	0	1	16	13	0	6	4	1	1	2	7	7	2
		21	1022.1	-	12.9	1.4	12.5	84	6.1	1	3	4	9	13	0	0	0	0	0	0	0	8	8	13	1	0	1	8	20	1	6	2	2	3	5	7	1	3
CAMBRIDGESHIRE																																			
WITTERING	76	3	1022.2	-	10.7	0.8	11.7	90	5.4	0	7	6	5	12	0	0	0	1	1	1	3	6	5	12	1	0	0	7	23	0	5	1	0	3	1	9	7	4
		9	1022.9	+ 7.6	13.3	1.8	12.3	80	5.8	0	4	5	16	5	0	0	0	0	1	1	1	5	6	15	2	0	0	9	21	0	8	1	1	0	2	8	5	5
		15	1021.9	-	16.4	3.5	12.1	65	6.5	0	1	4	19	6	0	0	0	0	0	0	0	3	8	13	6	0	0	13	17	0	7	0	2	1	3	9	5	3
		21	1022.5	-	12.4	1.4	12.2	84	5.6	1	5	6	8	10	0	0	0	0	0	0	0	10	10	9	1	0	0	7	23	0	6	2	1	1	5	7	6	2
WYTON	43	3	1022.1	-	11.0	0.8	11.9	90	5.2	5	3	3	9	10	0	0	0	1	1	0	4	8	9	7	0	0	0	8	22	0	7	1	1	2	2	10	6	1
		9	1022.9	-	13.5	1.6	12.8	82	6.4	0	3	3	17	7	0	0	0	0	0	0	2	8	7	10	3	0	0	14	16	0	5	2	1	1	3	10	2	6
		15	1021.8	-	16.8	3.4	12.8	67	6.5	0	0	7	18	5	0	0	0	0	0	0	0	4	5	15	6	0	1	17	12	0	7	2	1	1	2	10	4	3
		21	1022.5	-	13.0	1.6	12.4	82	5.6	1	3	7	11	8	0	0	0	0	0	0	0	11	9	10	0	0	0	7	22	1	5	3	1	1	6	8	1	4
SUFFOLK																																			
ALDEBURGH	9	9	1023.2	-	-	-	-	-	6.3	1	1	7	9	12	0	0	0	0	0	0	1	9	20	0	0	0	2	13	14	1	7	2	0	2	2	5	7	4
		15	1022.4	-	-	-	-	-	5.8	2	1	9	5	13	0	0	0	0	0	0	1	9	19	0	1	0	4	16	10	0	5	3	5	1	0	7	2	6	2
		21	1023.0	-	-	-	-	-	4.0	11	1	5	3	10	0	0	0	0	0	0	0	5	24	0	1	0	1	10	17	2	7	2	1	1	3	5	6	3
HONINGTON	51	3	1022.1	-	11.1	0.9	11.9	89	5.5	2	5	4	8	11	0	0	0	0	0	1	6	11	7	5	0	0	0	8	22	0	6	0	1	2	5	6	8	2
		9	1022.7	-	13.6	1.8	12.5	80	6.4	0	2	4	20	4	0	0	0	0	0	0	3	7	12	5	0	0	0	9	21	0	7	1	0	1	5	8	3	5
		15	1021.7	-	16.8	4.0	11.7	61	6.6	0	0	4	20	6	0	0	0	0	0	0	1	2	3	13	11	0	0	0	15	15	0	7	1	2	1	3	7	6	3
		21	1022.4	-	12.7	1.6	12.1	82	5.6	1	6	3	9	11	0	0	0	0	0	0	2	6	11	11	0	0	1	4	25	0	6	1	3	1	6	7	2	4
WATTISHAM	91	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1022.8	-	13.5	1.2	13.4	86	6.1	0	3	4	16	7	0	0	0	0	0	0	1	9	13	7	0	0	1	22	7	0	9	1	0	1	2	6	6	5
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BEDFORDSHIRE																																			
CARDINGTON	30	3	1022.7	-	10.6	0.4	12.4	95	5.5	6	0	4	8	12	0	0	0	1	1	0	2	9	13	4	0	0	0	7	22	1	6	2	0	3	0	11	6	1
		9	1023.4	+ 7.6	13.8	1.4	13.5	84	6.5	0	4	0	17	9	0	0	0	0	0	0	0	8	16	6	0	0	0	12	17	1	7	2	1	1	2	7	5	4
		15	1022.3	-	17.0	3.2	13.4	69	6.6	0	1	4	15	10	0	0	0	0	0	0	1	2	17	9	1	0	0	11	18	0	6	4	0	2	2	8	5	3
		21	1022.9	-	12.5	1.0	13.0	88	5.4	3	3	6	6	12	0	0	0	0	0	1	1	6	18	4	0	0	1	8	19	2	5	5	1	1	2	8	4	2

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

SEPTEMBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT								VISIBILITY								WIND SPEED AND DIRECTION																
									OKTAS																BEAUFORT FORCE																
																									8 OR MORE	6-7	4-5	3-4	1-3	CALM											
																									SPEED (KT)																
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW				
			NUMBER OF OBSERVATIONS																																						
3 EAST ANGLIA -CONTD.																																								
ESSEX																																								
SHOEBURYNESS	5	9	1023.3	+ 7.1	14.4	1.6	13.6	82	6.0	0	6	2	15	7	0	0	0	0	0	0	1	4	11	11	3	0	0	13	16	1	8	1	0	3	1	10	2	4
		15	1022.3	-	16.9	2.9	13.8	71	5.8	1	4	4	15	6	0	0	0	0	0	0	1	3	6	11	9	5	0	12	18	0	4	1	5	2	3	8	5	2
		21	1022.7	-	13.7	1.3	13.4	85	4.9	1	7	5	11	6	0	0	0	0	0	0	0	5	5	15	5	0	0	7	22	1	6	2	1	1	3	10	5	1
STANSTED	102	3	1022.5	-	10.7	0.6	12.1	92	4.9	7	3	2	6	12	0	0	1	0	2	0	4	7	13	3	0	0	0	3	27	0	7	2	0	2	1	11	3	4
		9	1023.2	+ 7.4	13.3	1.5	12.8	83	6.4	0	2	2	21	5	0	0	0	0	0	0	0	7	11	11	1	0	0	7	22	1	9	2	1	1	2	9	3	2
		15	1022.0	-	16.5	3.4	12.5	66	5.7	0	3	10	11	6	0	0	0	0	0	0	1	3	7	14	5	0	0	13	17	0	9	0	1	2	2	7	6	5
		21	1022.7	-	12.6	1.3	12.5	85	5.2	0	7	7	7	9	0	0	0	0	0	0	1	11	11	7	0	0	0	5	23	2	5	2	2	1	4	8	5	
4 MIDLAND COUNTIES																																								
WEST YORKSHIRE																																								
HUDDERSFIELD	235	3	1021.1	-	9.5	0.8	10.8	89	6.4	2	1	5	3	19	0	0	0	0	2	2	0	4	19	3	0	2	4	1	20	3	3	2	0	2	3	7	8	2
OAKES		9	1021.7	-	12.1	1.2	12.2	85	6.2	1	2	6	7	14	0	0	0	0	0	2	0	6	11	11	0	0	2	14	14	0	5	3	0	2	4	9	6	1
		15	1021.3	-	14.2	1.9	13.0	79	6.6	0	1	5	10	14	0	0	0	0	0	1	0	8	2	19	0	1	6	12	11	0	5	2	0	2	3	7	10	1
		21	1021.7	-	10.9	0.9	11.7	89	6.6	0	3	2	10	15	0	0	0	0	0	0	0	5	8	16	1	0	3	7	14	6	3	2	0	2	4	4	8	3
WILSDEN	267	3	1021.6	-	9.5	0.8	10.8	90	5.4	3	5	4	3	15	0	0	0	0	0	0	2	5	23	0	0	0	2	10	17	1	5	2	0	3	3	5	10	1
		9	1021.7	-	11.3	1.3	11.3	83	6.4	0	1	8	7	14	0	0	0	0	3	4	0	6	9	8	0	0	3	12	15	0	8	1	0	2	3	5	10	1
		15	1021.2	-	13.3	2.3	11.4	74	6.6	0	1	5	11	13	0	0	0	0	0	0	1	8	10	11	0	0	0	4	13	13	0	3	5	1	1	4	4	11	1
		21	1021.8	-	10.6	1.0	11.4	87	6.5	0	4	4	2	20	0	0	0	0	0	0	1	7	21	1	0	0	0	1	9	20	0	3	3	3	1	6	5	8	1
SOUTH YORKSHIRE																																								
FINNINGLEY	15	3	1021.4	-	10.8	1.1	11.4	87	5.5	3	3	5	10	9	0	0	0	0	1	2	0	9	4	7	7	0	0	5	25	0	4	0	1	1	8	5	6	5
		9	1021.9	+ 7.3	13.8	2.3	12.0	75	6.0	0	4	4	16	6	0	0	0	0	0	0	2	5	9	11	3	0	0	15	15	0	4	0	1	1	5	6	7	6
		15	1021.1	-	16.2	3.7	11.8	64	6.9	0	1	4	13	12	0	0	0	0	0	0	0	1	7	16	6	0	0	2	12	16	0	7	0	1	1	4	4	9	4
		21	1021.7	-	12.4	1.6	11.9	82	6.1	0	5	4	9	12	0	0	0	0	0	0	2	8	5	13	2	0	0	10	19	1	6	0	2	2	4	6	7	2
NOTTINGHAMSHIRE																																								
WATNALL	119	3	1022.1	-	10.6	0.7	11.7	90	5.9	3	3	4	5	15	0	0	0	0	0	2	4	5	11	8	0	0	0	5	25	0	8	0	1	1	4	10	3	3
		9	1022.6	+ 7.8	12.9	1.6	12.2	81	6.0	0	1	8	16	5	0	0	0	0	0	0	2	9	7	9	3	0	0	1	11	18	0	6	2	2	1	2	11	4	2
		15	1021.7	-	15.5	3.0	12.3	70	6.5	0	1	6	11	12	0	0	0	0	0	0	0	5	7	16	2	0	0	11	19	0	7	0	2	0	3	9	6	3
		21	1022.3	-	12.0	1.2	12.1	85	6.1	1	5	1	9	14	0	0	0	0	0	0	2	8	12	8	0	0	0	7	23	0	6	2	3	0	4	5	10	0
SALOP																																								
SHAWBURY	76	3	1022.0	-	10.7	0.8	11.7	89	6.0	2	1	6	9	12	0	0	0	0	0	0	3	6	6	15	0	0	0	3	26	1	6	0	3	1	7	6	4	2
		9	1022.5	+ 7.3	13.1	1.5	12.6	83	6.5	0	3	1	18	8	0	0	0	0	1	0	2	6	6	11	4	0	0	9	21	0	6	0	2	2	5	6	6	3
		15	1021.8	-	15.5	2.7	12.7	71	6.6	0	0	8	12	10	0	0	0	0	0	0	0	6	5	14	5	0	1	11	18	0	6	3	2	0	4	2	11	2
		21	1022.3	-	12.4	1.2	12.4	85	6.5	0	3	3	11	13	0	0	0	0	0	0	3	4	8	14	1	0	0	7	23	0	6	3	1	1	7	5	5	4
WEST MIDLANDS																																								
EDGBASTON	165	9	1022.9	+ 7.5	12.3	1.8	11.5	79	6.7	0	2	2	17	9	0	0	0	0	0	0	1	12	10	7	0	0	0	6	24	0	6	3	2	1	5	8	4	1
		15	1021.9	-	15.4	3.6	11.2	63	6.7	0	0	6	13	11	0	0	0	0	0	0	0	7	11	11	1	0	0	7	22	1	6	3	0	2	4	8	8	2
		21	1022.6	-	12.7	1.8	11.7	79	5.7	1	6	3	9	11	0	0	0	0	0	0	1	9	11	9	0	0	0	6	22	2	7	3	0	2	3	3	8	2
ELMDON	100	3	1022.6	-	10.7	0.9	11.5	88	5.9	2	2	5	12	9	0	0	0	1	0	1	2	5	10	10	1	0	0	6	22	2	5	2	1	1	6	7	3	3
		9	1023.1	+ 7.8	13.0	1.9	11.9	78	6.4	0	2	3	19	6	0	0	0	0	0	0	0	8	12	10	0	0	0	14	16	0	6	4	2	0	4	8	5	3
		15	1022.2	-	15.9	3.5	11.7	64	6.4	0	1	7	11	11	0	0	0	0	0	0	0	3	12	13	2	0	1	11	18	0	6	1	2	1	3	7	7	3
		21	1022.8	-	12.2	1.4	12.0	84	5.0	0	10	4	6	10	0	0	0	0	0	0	2	6	15	7	0	0	0	7	20	3	5	3	1	1	4	8	2	3
HEREFORD & WORCESTER																																								
PERSHORE					REPORTS TERMINATED																																				
GLOUCESTER																																								
INNSWORTH	24	3	1022.5	-	11.4	0.8	12.4	90	5.3	3	6	2	6	13	0	0	0	0	0	0	0	11	14	4	1	0	0	5	21	4	7	3	2	2	10	2	0	0
		9	1023.4	-	13.3	1.4	12.9	83	6.4	0	3	4	14	9	0	0	0	0	0	0	2	8	11	6	3	0	0	5	25	0	6	5	1	0	7	5	5	1
		15	1022.4	-	16.3	3.2	12.5	67	6.6	0	1	5	16	8	0	0	0	0	0	0	0	6	7	9	8	0	0	8	22	0	7	2	1	1	3	11	3	2
		21	1022.8	-	12.8	1.2	12.7	85	5.2	2	6	3	10	9	0	0	0	0	0	0	1	7	11	9	2	0	0	4	23	3	6	3	1	2	8	6	0	1
OXFORDSHIRE																																								
BENSON	74	3	1022.9	-	11.0	0.8	12.1	90	5.6	3	5	1	8	13	0	0	0	0	0	0	3	9	10	8	0	0	0	4	21	5	6	2	0	3	9	2	1	2
		9	1023.6	-	13.2	1.5	12.6	82	6.7	0	3	1	15	11	0	0	0	0	0	0	0	9	7	10	4	0	0	8	21	1	8	2	3	2	4	5	3	2
		15	1022.4	-	16.9	3.6	12.6	65	5.9	0	3	5	16	6	0	0	0	0	0	0	0	3	8	12	7	0	0	0	12	18	0	9	1	2	1	5	4	8	0
		21	1023.2	-	12.6	1.2	12.6	85	5.3	1	8	2	9	10	0	0	0	0	0	0	0	4	7	6	12	1	0	0	2	23	5	5	4	2	1	5	7	1	0
BRIZE NORTON	92	3	1022.7	-	10.7	0.8	11.7	90	5.6	6	2	1	5	15	1	0	0	1	0	0	2	9	9	7	2	0	0	8	19	3	7	1	2	1	2	6	6	2
		9	1023.4	-	13.2	1.7	12.4	80	6.3	0	4	1	16	9	0	0	0	0	0	0	0	6	9	13	2	0	0	0	13	16	1	5	4	6	2	2	1	8	4	1
		15	1022.3	-	16.2	3.7	11.7	63	6.1	0	3	5	15	7	0	0	0	0	0	0	0	3	8	15	4	0	0	20	10	0	5	4	0	2	2	6	8	3
		21	1023.0	-	12.4	1.3	12.2	84	4.7	4	6	6	3	11	0	0	0	0	0	0	0	11	8	10	1	0	0	0	7	23	0	6	3	1	1	2	8	6	3
5 ENGLAND SE & CENT. S.																																								
GREATER LONDON																																								
HEATHROW	26	3	1022.9	-	11.8	0.8	12.6	90	5.3	6	2	2	9	11	0	0	0	1	0	0	2	11	8	8	0	0	0	3	26	1	6	2	1	2	5	6	4	3
		9	1023.6	+ 7.6	14.0	1.7	13.0	80	6.5	0	3	1	16	10	0	0	0	0	0	0	1	8	10	11	0	0	0	7	23	0	7	1	3	2	5	6	1	5
		15	1022.5	-	17.1	3.7	12.6	65	5.7	0	2	9	16	3	0	0	0	0	0	0	0	4	8	13	5	0	0	0	10	20	0	5	3	2	0	5	8	4	3
		21	1023.1	-	14.0	1.7	13.0	81	4.9	2	8	3	10	7	0	0	0	0	0	0	2	9	13	6	0	0	0	4	25	1	8	0	3	1	5	6	5	1
KEW	10	3	1023.1	-	11.2	1.2	11.8	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1023.8	+ 7.7	13.9	2.2	12.5	77	6.5	0	3	2	14	11	0	0	0	0	0	0	0	1	7	11	10	1	0	0	5	24	1	6	2	2	1	4	8	1	5
		15	1022.7	-	16.8	4.1	12.1	63	5.6	0	3	8	16	3	0	0	0	0	0	0	1	2	7	14	6	0	0	0	7	23	0	6	4	0	2	3	10	2	3
		21	1023.3	-	13.3	1.8	12.4	81	4.5	5	6	3	10	6	0	0	0	0	0	0	2	6	7	15	0	0	0	0	5	19	6	4	3	1	1	2	12	1	0
LONDON	24	3	1022.6	-	12.6	1.3	12.4	84	5.0	6	3	3	10	8	0	0	0	0	0	0	1	9	12	8	0	0	0	10	20	0	4	7	0	3	0	7	7	2
WEATHER CENTRE (X)		9	1023.4	-	14.2	2.1	12.5	77	6.5	0	3	2	16	9	0	0	0	0	0	0	0	8	13	9	0	0	0	12	18	0	8	3	2	0	4	7	4	2
		15	1022.2	-	17.3	3.9	12.3	63	5.8	0	5	4	16	5	0	0	0	0	0	0	0	4	8	14	4	0	0	0	14	16	0	8	2	1	2	1	9	5	2
		21	1022.8	-	14.7	2.3	12.8	76	5.0	5	4	2	13	6	0	0	0	0	0	0	3	5	9	13	0	0	3	8	19	0	3	5	3	1	2	9	7	0
WILTSHIRE																																								
BOSCOMBE DOWN	128	3	1022.9	-	10.4	0.5	11.9	93	5.0	6	5	0	7	12	0	0	0	0	0	1	4	7	8	8	2	0	0	5	23	2	5	2	2	2	7	3	4	3
		9	1023.6	+ 7.3	12.9	1.3	12.7	84	6.1	0	4	4	11	11	0	0	0	0	0	0	1	10	3	11	5	0	0	12	18	0	6	5	3	1	4	7	1	3
		15	1022.5	-	15.9	3.2	12.2	67	6.0	1	2	6	13	8	0	0	0	0	0	0	0	3	6	10	11	0	0	15	15	0	6	3	0	2	3	7	5	4
		21	1023.3	-	11.9	1.0	12.3	87	5.3	2	6	3	9	10	0	0	0	0	0	0	1	8	5	14	2	0	0	6	23	1	5	3	1	2	3	6	4	5
LYNEHAM	149	3	1022.9	-	10.6	0.7	11.8	91	5.5	4	4	2	6	14	0	0	1	0	0	2	3	9	7	7	1	0	0	6	24	0	7	4	2	0	7	9	1	0
		9	1023.6	+ 7.6	12.4	1.2	12.4	85	6.5	0	4	1	12	13	0	0	0	0	0	1	1	7	10	8	3	0	0	10	20	0	6	7	2	0	4	9	1	1
		15	1022.7	-	15.4	3.0	12.2	69	6.2	0	4	2	16	8	0	0	0	0	0	0	0	4	8	10	8	0	0	1	11	18	0	5	4	0	2	3	6	2	0
		21	1023.3	-	11.9	1.2	12.1	86	5.3	2	7	2	8	11	0	0	0	1	0	0	5	6	6	10	2	0	0	7	22	1	6	4	1	1	5	8	4	0
UPAVON	183	9	1023.6	-	12.5	1.0	12.9	88	6.4	0	3	4	9	14	0	0	0	0	0	0	0	11	5	13	1	0	0	11	17	2	6	4	3	2	4	6	1	2
		15	1022.5	-	15.9	2.8	13.0	71	6.2	0	2	7	14	7	0	0	0	0	0	0	0	2	11	8	9	0	0	15	14	1	4	7	0	2	2	6	6	2
		21	1023.3	-	11.7	0.8	12.5	90	5.5	2	3	6	9	10	0	0	0	0	0	1	4	4	8	13	0	0	0	4	23	3	4	3	0	2	4	5	6	3

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

SEPTEMBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT OKTAS								VISIBILITY									WIND SPEED AND DIRECTION									
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED		0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	BEAUFORT FORCE: 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT): 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																														
5 ENGLAND SE & CENT. S.			-CONTD.																																						
KENT																																									
DUNGENESS	7	3	1022.7	-	-	-	-	-	3.7	7	6	8	3	6	0		0	0	0	0	0	0	1	3	7	19	0		0	0	13	15	2	5	1	1	1	3	3	8	6
		9	1023.5	-	14.6	1.5	14.0	84	6.1	0	3	5	14	8	0		0	0	0	0	0	0	0	8	10	12	0		0	2	14	14	0	11	1	4	0	2	6	5	3
		15	1022.8	-	-	-	-	-	5.9	0	3	6	14	7	0		0	0	0	0	0	0	0	4	11	15	0		0	2	17	11	0	3	4	3	2	1	3	7	1
		21	1023.1	-	-	-	-	-	5.4	1	6	6	5	12	0		0	0	0	0	0	0	0	4	5	21	0		0	1	18	11	0	3	2	4	2	3	4	11	1
MANSTON	45	3	1022.5	-	12.2	1.0	12.6	88	4.9	1	7	7	8	7	0		0	0	0	0	0	0	3	4	10	12	1		0	0	12	18	0	6	3	0	2	3	11	4	1
		9	1023.2	-	14.3	1.6	13.4	82	6.1	0	3	4	18	5	0		0	0	0	0	0	0	1	8	6	12	3		0	0	16	14	0	5	1	1	2	2	7	5	7
		15	1022.4	-	16.6	3.1	13.1	69	5.3	0	6	4	17	3	0		0	0	0	0	0	0	0	5	9	9	7		0	0	17	13	0	9	1	1	2	5	8	5	2
		21	1022.9	-	13.2	1.4	12.9	84	5.0	4	5	3	11	7	0		0	0	0	0	0	0	1	5	10	12	2		0	1	9	20	0	6	3	2	1	9	5	4	0
HAMPSHIRE																																									
SOUTHAMPTON	9	3	1023.0	-	12.1	0.9	12.7	89	4.3	8	3	3	7	9	0		0	0	0	1	0	0	2	6	9	12	9	0	0	0	2	26	2	7	3	1	1	2	4	6	4
WEATHER CENTRE (X)		9	1023.8	-	14.1	1.6	13.3	81	5.9	0	5	4	12	9	0		0	0	0	0	0	0	1	5	8	12	2	0	0	0	1	29	0	7	4	2	2	2	5	6	3
		15	1022.9	-	17.0	3.3	13.0	67	6.1	0	3	5	13	9	0		0	0	0	0	0	0	0	3	5	18	2	0	0	0	3	27	0	3	3	2	1	4	4	9	3
		21	1023.3	-	13.8	1.4	13.3	84	4.5	0	10	7	6	7	0		0	0	0	0	0	0	0	5	11	13	1	0	0	0	1	28	1	5	2	2	1	3	3	11	2
WEST SUSSEX																																									
GATWICK	60	3	1023.2	-	10.3	0.4	12.1	95	5.1	6	3	3	7	11	0		0	0	2	2	0	2	5	10	7	2	0	0	0	0	4	20	6	3	3	2	0	2	12	0	2
		9	1023.9	+ 7.6	13.4	1.3	13.2	85	6.2	0	2	5	14	9	0		0	0	0	0	0	0	3	10	11	5	1	0	0	0	8	20	2	7	3	3	1	2	8	1	3
		15	1022.8	-	16.5	3.3	12.6	67	5.6	0	1	12	11	6	0		0	0	0	0	0	0	0	7	7	12	4	0	0	0	12	18	0	5	3	3	1	2	3	8	3
		21	1023.5	-	12.2	0.9	12.8	89	4.5	4	7	4	7	8	0		0	0	0	1	0	1	2	10	12	4	0	0	0	0	4	22	4	4	3	2	1	4	11	1	0
EAST SUSSEX																																									
HERSTMONCEUX	28	3	1023.4	-	10.8	0.5	12.4	94	3.9	4	9	6	6	5	0		0	1	1	1	0	0	5	8	9	5	0	0	0	0	4	16	10	6	2	1	0	3	3	4	1
		9	1024.2	-	13.8	1.2	13.8	86	5.9	0	5	4	12	9	0		0	0	0	0	0	0	1	7	11	10	1	0	0	1	10	16	3	11	2	2	1	3	3	5	1
		15	1023.4	-	15.9	2.4	13.6	75	5.5	0	7	3	11	9	0		0	0	0	0	0	0	1	5	7	14	3	0	0	2	11	15	2	7	2	2	0	3	10	3	:
		21	1023.9	-	12.4	0.7	13.3	91	4.3	3	9	5	7	6	0		0	0	0	1	1	4	6	9	8	1	0	2	4	17	7	8	1	1	1	3	2	7	0
7A ENGLAND NW & I.O.M.																																									
CUMBRIA																																									
CARLISLE	28	3	1020.0	-	10.8	0.9	11.6	88	5.3	1	8	2	7	12	0		0	0	0	0	0	1	3	6	19	1	0	0	0	6	24	0	2	3	3	3	5	5	8	1
		9	1020.1	+ 6.8	12.6	1.4	12.4	83	6.4	0	2	4	14	10	0		0	0	0	0	0	0	0	4	10	12	4	0	0	0	13	17	0	1	2	4	3	2	5	11	3
		15	1019.8	-	14.5	2.5	12.2	73	6.7	0	2	1	16	11	0		0	0	0	0	0	0	0	0	11	7	10	0	0	0	10	20	0	1	4	3	1	2	5	11	3
		21	1020.4	-	11.6	1.1	11.9	86	6.3	0	4	3	12	11	0		0	0	0	0	0	0	0	5	8	14	3	0	0	0	5	25	0	0	6	4	1	5	4	10	0
LANCASHIRE																																									
SQUIRES GATE	11	3	1021.2	-	11.8	1.0	12.3	88	5.8	2	4	2	10	12	0		0	0	0	0	0	0	0	5	9	10	6	0	2	13	15	0	3	4	5	5	2	3	6	2	4
		9	1021.7	+ 7.7	13.5	1.6	12.8	82	6.1	0	4	4	17	5	0		0	0	0	0	0	0	0	7	8	13	2	0	2	17	11	0	1	4	3	3	3	4	7	4	3
		15	1021.3	-	15.0	2.1	13.3	77	6.7	0	2	3	15	10	0		0	0	0	0	0	0	0	5	5	15	5	0	2	19	9	0	2	2	2	3	3	5	9	2	2
		21	1021.5	-	13.0	1.4	12.8	84	6.5	0	3	4	10	13	0		0	0	0	0	0	0	0	7	5	15	3	0	4	13	13	0	2	4	4	1	4	5	8	2
MERSEYSIDE																																									
SPEKE					REPORTS TERMINATED																																				
GREATER MANCHESTER																																									
MANCHESTER	42	3	1022.0	-	11.7	1.3	11.7	84	5.8	2	3	5	9	11	0		0	0	0	0	0	1	0	10	13	6	0	0	0	5	25	0	6	2	2	2	9	4	2	3
WEATHER CENTRE (X)		9	1022.4	-	13.3	2.2	11.6	74	6.5	0	2	3	16	9	0		0	0	0	0	0	0	0	6	17	7	0	0	0	0	10	20	0	4	2	2	2	13	3	3	1
		15	1021.8	-	15.5	3.4	11.6	65	6.7	0	1	4	15	10	0		0	0	0	0	0	0	0	5	11	13	1	0	0	0	10	20	0	4	3	2	1	8	5	7	0
		21	1022.3	-	13.1	1.9	12.0	78	5.9	0	6	5	7	12	0		0	0	0	0	0	1	0	6	13	10	0	0	0	0	4	26	0	7	1	2	1	9	5	4	1
RINGWAY	84	3	1021.9	-	11.2	1.0	11.8	87	6.0	2	2	5	8	13	0		0	0	0	0	0	0	1	11	4	13	2	0	0	0	9	21	0	5	0	4	1	10	7	1	2
		9	1022.2	+ 7.7	13.0	1.8	12.0	79	6.2	0	3	4	18	5	0		0	0	0	0	0	0	2	5	11	12	3	0	0	0	13	17	0	4	2	2	1	9	9	2	1
		15	1021.5	-	15.2	3.2	11.7	67	6.5	0	2	3	16	9	0		0	0	0	0	0	0	0	3	10	13	3	0	1	1	19	10	0	2	5	1	1	6	6	7	2
		21	1022.0	-	12.7	1.6	12.0	81	6.2	0	3	5	8	14	0		0	0	0	0	0	0	1	8	5	16	0	0	1	10	19	0	2	4	2	2	10	4	5	1
ISLE OF MAN																																									
POINT OF AYRE	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1020.7	+ 7.7	13.5	1.4	13.2	84	6.6	0	1	7	7	15	0		0	0	0	0	0	0	0	4	4	8	14	0	7	17	5	1	0	4	3	2	3	6	9	2	4
		15	1020.6	-	14.7	2.0	13.2	78	6.0	0	4	6	7	13	0		0	0	0	0	0	0	1	1	6	12	10	0	4	18	7	1	0	4	2	3	4	6	6	6	4
		21	1020.9	-	12.7	1.2	12.7	86	5.5	1	3	9	6	11	0		0	0	0	0	0	0	0	1	1	6	6	17	0	6	14	10	0	0	1	6	2	4	7	6	4
RONALDSWAY	21	3	1020.3	-	11.7	1.2	12.0	86	5.8	2	4	2	8	14	0		0	0	0	0	0	0	1	2	8	7	11	9	0	3	13	13	1	5	2	3	3	6	6	6	3
		9	1020.7	+ 7.3	13.1	1.6	12.4	81	6.6	0	2	4	15	9	0		0	0	0	0	0	0	2	4	8	7	9	0	4	17	9	0	3	3	1	4	9	6	8	2	2
		15	1020.5	-	14.0	2.0	12.6	78	5.8	0	5	4	11	10	0		0	0	0	0	0	1	1	4	7	5	12	0	2	22	6	0	1	2	5	3	4	9	4	5	3
		21	1020.8	-	12.4	1.5	12.0	82	5.7	0	6	6	6	12	0		0	0	0	0	0	0	1	3	6	12	8	0	5	12	13	0	6	1	3	1	4	7	5	3	
7B WALES N																																									
GWYNEDD																																									
BARDSEY ISLAND	19	3	1021.7	-	13.3	0.9	13.7	89	5.4	5	2	5	4	13	1		1	0	0	0	0	0	0	3	19	6	1	1	5	12	9	3	2	4	1	2	5	3	8	2	5
		9	1022.1	-	13.9	1.1	14.0	87	6.6	0	1	8	5	16	0		0	0	0	0	0	0	0	1	20	5	4	2	7	7	14	0	4	3	2	1	7	5	8	4	2
		15	1021.9	-	14.6	1.3	14.3	86	6.5	0	1	7	7	15	0		0	0	0	0	0	0	0	3	16	7	4	0	0	10	7	13	0	4	3	2	3	6	8	2	3
		21	1022.1	-	13.7	1.1	13.7	87	6.0	3	2	5	2	17	1		1	0	0	0	0	0	0	1	19	7	2	0	0	8	9	12	1	3	5	1	2	4	5	6	3
VALLEY	11	3	1021.3	-	12.4	1.1	12.6	86	5.9	1	6	2	9	12	0		0	0	0	1	1	1	2	10	14	1	1	0	6	9	11	3	2	4	3	1	5	7	4	1
		9	1021.8	+ 7.8	13.7	1.6	12.9	82	6.7	0	2	5	10	13	0		0	0	0	0	0	2	6	6	10	5	1	0	9	10	11	0	2	3	5	1	5	7	6	5	1
		15	1021.4	-	15.0	2.4	12.8	74	6.4	0	3	4	11	12	0		0	0	0	0	0	0	2	1	9	11	7	1	5	19	5	0	1	3	4	2	4	9	5	2	2
		21	1021.8	-	13.0	1.4	12.6	83	6.1	0	3	7	8	12	0		0	0	0	0	1	0	0	4	10	11	4	0	8	9	12	1	3	1	5	2	4	10	2	2	
8A WALES S																																									
DYFED																																									
ABERPORTH	134	3	1022.1	-	11.8	0.8	12.6	89	5.9	5	0	4	7	13	1		0	0	0	1	0	0	1	6	12	5	5	0	0	2	13	15	0	4	1	0	5	3	9	4	3	1
		9	1022.6	+ 7.8	13.2	1.3	13.0	84	6.4	0	3	2	15	10	0		0	0	0	0	0	0	0	4	10	9	5	0	0	5	11	13	1	3	0	2	3	5	3	9	1
		15	1022.1	-	14.2	1.8	13.2	80	6.0	0	6	2	12	10	0		0	0	0	0	0	0	0	4	10	11	5	0	0	4	15	11	0	5	2	2	5	3	3	9	0
		21	1022.5	-	12.5	1.1	12.7	87	5.4	3	3	4	13	7	0		0	0	0	0	0	0	0	6	11	7	6	0	0	3	11	15	1	4	1	2	5	3	9	4	3	0
BRAWDY	116	3	1022.3	-	11.4	0.8	12.3	90	5.5	6	1	3	6	14	0		0	1	0	1	2	2	4	8	10	2	0	0	0	12	16	2	2	2	4	7	1	3	5	5	1	1
		9	1022.8	-	13.1	1.3	12.8	84	6.4	0	3	4	12	11	0		0	2	1	0	0	3	4	8	9	7	4	0	0	1	14	15	0	4	2	2	4	2	7	8	0	0
		15	1022.4	-	14.1	1.9	12.8	79	6.3	0	4	4	9	13	0		0	0	1	2	0	0	6	8	9	4	0	0	2	18	10	0	4	2	1	5	2	7	8	5	0	0
		21	1022.7	-	12.2	1.1	12.5	87	5.7	2	3	5	9	11	0		0	0	0	1	1	1	3	12	9	3	0	0	0	12	18	0	3	5	5	2	4	6	5	0	0
BRYNAMMAN	-	9	-	-	12.6	1.3	12.5	85	6.0	0	6	2	8	13	1		1	0	0	0	0	2	2	7	13	5	0	0	0	0	4	19	7	3	2	5	4	3	4	4	7	0
		15	-	-	14.6	2.4	12.5	75	6.7	0	2	2	13	13	0		0	0	0	0	0	3	2	6	8	11	0	0	0	0	4	23	3	4	4	0	0	2	4	12	1	0
		21	-	-	11.6	1.1	12.0	87	5.8	3	2	6	6	13	0		0	0	0	0	0	1	4	11	9	5	0	0	0	0	2	16	12	1	6	0	2	1	1	7	1	0
MILFORD HAVEN	39	3	1022.1	-	12.5	0.9	13.1	89	5.0	9	0	3	5	13	0		0	0	0	0	0	0	0	1	10	13	7	0	0	0	3	10	16	1	6	3	3	5	4	1	1	1
C.B.		9	1022.6	+ 7.5	13.7	1.4	13.3	84	6.0	2	3	4	9	11	1		0	0	0	0	0	0	1	0	13	8	10	0	0	1	10	17	2	3	3	2	5	6	2	1	2	1
		15	1022.3	-	15.4	2.1	13.7	78	6.0	0	3	7	8	12	0		0	0	0	0	0	0	0	1	13	9	8	0	0	0	3	11	15	1	3	6	3	5	2	4	5	2
		21	1022.6	-	13.6	1.3	13.3	85	4.8	8	2	3	5	12	0		0	0	0	0	0	0	0	7	17	6	0	0	0	1	11	18	0	5	6	2	2	3	5	5	2
WEST GLAMORGAN																																									
MUMBLES HEAD	37	3	1022.8	-	13.2	1.1	13.3	87	5.3	8	1	2	3	16	0		0	0	0	0	0	0	1	1	3	8	14	4	2	0	2	8	12	0	8	6	1	2	2	3	6	1	0
		9	1023.4	-	14.1	1.7	13.3	81	6.0	0	6	2	9	13	0		0	0	0	0	0	1	1	1	13	3	10	2	0	0	8	11	11	0	4	10	2	2	2	3	7	0
		15	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1023.1	-	13.9	1.6	13.2	82	5.3	3	6	2	8	11	0		0	0	0	0	0	0	1	4	9	12	4	1	5	7	17	0	5	4	2	3	2	3	10	1	

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

SEPTEMBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: DEPRESSION OF WET BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: VAPOUR PRESSURE (MB)	MEAN TEMPERATURE AND HUMIDITY: RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																																
8A WALES S -CONTD.																																									
MID GLAMORGAN																																									
CILFYNYDD	195	3	1022.9	-	10.7	0.7	11.9	91	5.9	3	3	4	5	15	0	0	0	0	1	0	0	17	12	0	0	0	0	3	15	12	0	1	6	0	1	3	6	1
		9	1023.3	-	12.3	1.2	12.3	85	5.7	3	5	1	7	14	0	0	0	0	1	1	2	10	16	0	0	0	0	7	14	9	0	4	2	0	3	6	6	0
		15	1022.7	-	14.9	2.8	12.1	71	6.4	0	0	9	5	16	0	0	0	0	0	0	1	7	22	0	0	0	1	7	19	3	2	4	2	0	6	3	7	3
		21	1023.3	-	11.9	1.2	12.1	85	5.8	1	5	4	4	16	0	0	0	0	0	0	1	8	21	0	0	0	1	2	18	9	0	6	2	0	3	6	1	3
SOUTH GLAMORGAN																																								
RHOOSE	69	3	1022.5	-	11.7	0.9	12.4	89	5.0	7	3	2	5	13	0	0	0	0	0	0	0	8	10	7	5	0	0	7	22	1	0	10	3	1	2	4	7	2
		9	1023.3	+ 7.5	13.7	1.6	13.0	82	5.7	0	7	1	14	8	0	0	0	0	0	1	1	7	12	7	2	0	1	12	17	0	2	5	7	1	3	1	10	1
		15	1022.6	-	15.5	2.6	12.9	73	5.7	0	6	4	12	8	0	0	0	0	0	1	1	3	10	13	3	0	0	16	14	0	1	4	2	4	3	1	13	2
		21	1023.0	-	12.7	1.2	12.7	85	5.5	3	5	2	5	15	0	0	0	0	0	0	0	5	12	10	3	0	2	6	22	0	1	8	2	3	1	2	11	2
8B ENGLAND SW																																								
AVON																																								
FILTON	61	3	1022.8	-	11.4	0.8	12.3	90	5.4	3	5	3	5	14	0	0	0	0	0	0	4	9	5	10	2	0	0	6	24	0	1	8	5	0	6	3	7	0
		9	1023.5	+ 7.6	13.3	1.4	13.1	84	6.3	0	4	3	12	11	0	0	0	0	0	0	4	6	11	8	1	0	0	9	21	0	3	7	4	0	3	3	9	1
		15	1022.7	-	15.5	2.6	13.0	73	6.5	0	1	6	10	13	0	0	0	0	0	0	1	4	8	11	6	0	0	14	16	0	2	8	0	2	2	1	15	0
		21	1023.1	-	12.7	1.2	12.7	85	5.1	3	6	2	12	7	0	0	0	0	0	0	0	11	8	11	0	0	0	6	24	0	3	6	2	2	2	4	10	1
SOMERSET																																								
EXTON	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	11.9	0.7	12.8	91	6.4	0	3	4	10	8	5	0	4	0	1	0	3	13	5	4	0	0	0	4	25	1	7	1	7	0	5	4	5	0
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	10.6	0.5	12.1	94	5.5	4	5	1	5	14	1	0	0	0	1	0	1	13	7	6	2	0	0	6	24	0	6	4	4	1	7	0	8	0
YEOVILTON	23	3	1022.9	-	10.8	0.7	12.1	92	4.8	7	3	3	5	10	2	0	0	1	1	2	1	9	12	4	0	0	0	4	13	13	1	2	0	1	4	4	3	2
		9	1023.7	-	13.4	1.3	13.2	84	5.9	0	4	6	9	11	0	0	1	0	0	0	4	13	5	7	0	0	0	9	14	7	2	3	3	2	1	6	4	2
		15	1022.9	-	16.4	3.1	12.9	69	6.0	1	2	5	15	7	0	0	0	0	0	0	1	7	10	12	0	0	0	11	19	0	5	4	4	2	2	5	4	4
		21	1023.4	-	12.7	1.2	12.8	86	5.1	2	6	6	7	9	0	0	0	0	0	0	3	8	8	11	0	0	0	4	17	9	3	2	0	1	3	4	5	3
DORSET																																								
HURN	11	3	1023.1	-	10.5	0.5	12.2	94	4.4	8	4	4	4	10	0	0	0	0	1	1	5	7	8	8	0	0	0	4	21	5	8	0	0	2	3	4	4	4
		9	1023.7	-	13.9	1.3	13.8	86	5.5	0	8	4	7	11	0	0	0	0	0	1	1	9	8	12	0	0	0	9	21	0	7	7	1	1	3	7	3	1
		15	1023.0	-	16.3	2.8	13.3	72	5.9	0	3	8	9	10	0	0	0	0	0	1	5	6	15	3	0	0	0	13	17	0	3	5	1	3	3	12	1	2
		21	1023.5	-	12.5	0.9	13.1	89	4.4	2	9	5	8	6	0	0	0	0	0	0	1	9	8	12	0	0	0	3	25	2	7	2	2	1	2	5	7	2
PORTLAND BILL.C.G.	54	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	1023.1	-	15.6	1.5	14.9	83	5.9	0	3	7	11	8	1	0	1	0	0	0	1	5	10	12	1	0	1	15	14	0	3	3	2	4	3	5	9	1
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DEVON																																								
EXETER	38	3	1023.0	-	10.9	0.6	12.4	93	5.1	6	3	2	10	9	0	0	1	1	0	0	2	7	6	11	2	0	0	3	23	4	6	4	2	2	7	1	1	3
		9	1023.7	+ 7.5	13.6	1.2	13.6	86	6.1	0	5	0	17	8	0	0	0	0	0	1	1	9	7	7	5	0	0	10	20	0	6	4	1	2	6	4	2	5
		15	1022.9	-	16.6	2.7	13.8	73	6.1	0	4	2	18	6	0	0	0	0	0	0	2	11	6	10	0	0	1	14	15	0	3	5	1	6	4	2	9	0
		21	1023.5	-	12.8	1.0	13.1	88	5.0	5	3	6	7	9	0	0	0	0	0	0	0	6	9	11	4	0	0	4	25	1	6	5	0	2	9	3	3	1
HARTLAND POINT	93	3	1022.5	-	13.0	1.1	13.2	87	5.0	6	5	2	2	14	1	1	0	0	1	0	0	1	9	8	10	0	6	14	7	3	2	2	7	3	2	3	8	0
		9	1023.1	-	13.7	1.2	13.5	86	6.1	0	2	7	11	10	0	0	0	0	0	0	1	1	12	9	7	0	7	10	12	1	2	6	5	2	2	3	9	0
		15	1022.8	-	14.9	1.9	13.4	79	6.0	0	3	6	11	9	1	0	0	1	0	0	0	1	10	9	9	1	7	9	11	2	2	5	2	2	0	1	12	4
		21	1023.0	-	13.8	1.4	13.3	84	5.5	1	5	6	5	13	0	0	0	0	0	0	0	2	11	11	6	1	4	17	8	0	4	6	1	3	2	3	11	0
MOUNT BATTEN	28	3	1023.0	-	12.1	0.7	13.1	91	4.9	8	3	0	6	12	1	0	0	1	0	0	0	4	9	7	8	1	0	0	7	22	1	2	3	8	0	3	7	4	2
		9	1023.7	+ 7.5	14.1	1.4	13.7	84	5.8	0	5	4	14	7	0	0	0	2	0	0	1	9	7	8	3	0	0	12	18	0	2	1	8	2	2	6	7	2
		15	1023.2	-	16.0	2.3	13.9	76	5.8	0	4	4	17	5	0	0	0	1	0	0	1	5	4	12	7	0	1	16	13	0	1	2	5	1	2	10	6	3
		21	1023.6	-	13.3	1.1	13.3	87	4.7	0	10	6	6	8	0	0	0	0	0	0	3	8	11	5	3	0	1	8	21	0	4	4	7	1	2	4	8	0
PRAWLE POINT	-	3	-	-	-	-	-	-	4.4	9	2	4	3	12	0	0	0	2	1	0	0	6	9	11	1	0	10	13	6	1	5	4	4	1	1	4	9	1
		9	-	-	-	-	-	-	6.0	2	2	4	10	8	4	0	0	2	2	1	0	5	9	11	0	0	9	15	4	2	2	6	5	1	2	3	9	0
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	4.3	8	4	5	2	11	0	0	0	0	0	0	1	6	11	12	0	1	5	17	7	0	5	5	4	1	0	5	9	1
CORNWALL																																								
GWENNAP HEAD	70	3	1022.8	-	12.8	1.0	13.2	88	4.3	8	4	3	6	6	3	0	1	1	1	0	0	4	5	15	3	0	3	20	7	0	1	1	10	0	3	8	6	1
		9	1023.4	-	14.0	1.3	13.7	85	5.1	0	10	3	10	4	3	0	1	2	0	0	1	3	10	11	2	0	4	13	11	2	1	3	8	0	3	6	6	1
		15	1023.3	-	15.4	1.9	14.0	80	5.3	0	5	8	8	9	0	0	1	0	0	1	7	8	9	4	1	5	12	12	0	1	1	1	7	4	7	7	2
		21	1023.4	-	13.6	1.2	13.5	86	5.0	5	5	3	2	13	2	0	1	1	1	0	1	5	7	11	3	0	6	16	8	0	2	5	5	2	2	9	3	2
ST MAWGAN	107	3	1023.0	-	11.9	0.6	13.0	92	4.7	6	4	5	4	10	1	0	0	0	2	0	2	5	11	6	5	4	0	1	5	24	0	3	2	8	2	5	5	4	1
		9	1023.5	+ 7.7	13.8	1.2	13.7	86	5.6	0	7	3	13	7	0	0	0	0	1	0	2	5	10	8	4	0	0	12	16	2	3	2	5	3	5	5	5	0
		15	1023.1	-	15.6	2.2	13.8	77	5.6	0	5	7	12	6	0	0	0	0	0	0	1	5	5	14	5	0	1	13	15	1	2	4	2	1	3	5	8	4
		21	1023.6	-	13.1	1.0	13.4	88	5.2	4	5	3	7	11	0	0	0	0	0	0	2	9	7	7	5	0	1	12	14	3	1	4	3	2	7	4	5	1
SCILLY	61	3	1022.5	-	13.5	0.8	14.0	90	4.2	4	7	8	2	6	3	0	1	2	0	0	0	3	8	10	6	0	2	17	10	1	2	5	4	2	2	8	5	1
		9	1023.0	+ 7.1	14.7	1.1	14.7	88	4.7	1	10	3	9	5	2	0	1	1	0	0	0	5	11	7	5	0	2	17	7	4	2	1	6	1	6	3	6	1
		15	1023.0	-	16.3	1.7	15.3	82	4.3	0	10	7	8	5	0	0	0	0	0	0	0	7	9	13	1	0	2	18	9	1	1	4	6	1	5	5	6	1
		21	1023.1	-	13.8	0.9	14.1	89	4.9	3	5	7	5	8	2	0	1	1	0	1	0	2	12	10	3	0	2	17	9	2	2	5	5	1	3	7	5	0
CHANNEL ISLANDS																																								
GUERNSEY AIRPORT	105	3	1023.5	-	12.8	0.9	13.3	89	4.9	5	3	5	8	9	0	0	0	0	1	1	1	3	6	11	7	0	0	11	17	2	1	7	4	2	4	3	5	2
		9	1024.2	-	14.2	1.2	14.2	87	5.4	1	5	7	12	5	0	0	0	0	0	0	2	2	6	8	7	7	0	0	16	14	0	3	7	3	2	4	6	5	0
		15	1023.8	-	15.0	1.6	14.2	83	5.5	1	6	4	10	9	0	0	0	1	0	0	2	2	9	10	5	0	0	13	17	0	4	6	3	4	2	4	6	1
		21	1024.2	-	13.3	1.1	13.3	87	5.1	2	7	4	11	6	0	0	0	1	0	0	1	0	2	2	6	15	5	0	1	8	21	0	4	6	2	1	2	4	7	4
JERSEY AIRPORT	83	9	1024.5	-	14.5	1.5	13.9	84	5.3	0	7	5	11	7	0	0	0	0	0	0	0	6	5	16	3	0	0	16	14	0	1	8	2	4	4	5	2	3
		15	1023.9	-	15.9	2.1	14.2	78	5.5	1	5	4	14	6	0	0	0	0	1	0	0	5	6	16	2	0	0	13	17	0	3	9	1	3	1	2	8	3
NORTHERN IRELAND																																								
LONDONDERRY																																								
MONEYDIG	35	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																																								
ALDERGROVE	73	3	1019.6	-	10.4	0.9	11.4	89	5.4	2	6	3	6	13	0	0	0	0	0	0	1	8	5	14	2	0	0	12	16	2	1	1	5	2	7	8	4	0
		9	1019.8	+ 6.9	12.1	1.3	12.0	84	6.8	0	1	4	16	9	0	0	0	0	1	0	1	5	6	15	2	0	0	15	15	0	1	4	3	2	6	9	4	1
		15	1019.6	-	14.1	2.5	11.8	73	6.3	0	1	6	16	7	0	0	0	0	0	0	0	3	5	13	9	0	1	16	12	1	1	1	6	2	2	6	7	4
		21	1020.1	-	11.3	1.4	11.3	83	5.6	1	4	5	15	5	0	0	0	0	0	0	0	9	4	10	7	0	0	9	21	0	4	2	3	3	6	5	5	2
TYRONE																																								
CARRIGANS	112	9	1019.7	-	11.1	0.9	12.0	89	6.4	0	5	2	9	14	0	0	0	1	0	1	2	0	11	11	4	0	0	0	7	18	5	1	1	3	3	4	7	4	2
		15	1019.5	-	14.3	2.3	12.3	75	6.1	0	4	6	7	13	0	0	0	0	0	0	0	7	3	13	7	0	0	0	12	16	2	1	0	3	4	9	5	2	3
		21	1020.1	-	11.0	1.0	11.7	87	5.4	2	3	8	6	11	0	0	0	0	0	0	0	9	11	10	0	0	0	7	20	3	2	1	3	5	4	4	5	3

TABLE 5 NUMBER OF DAYS WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS — SEPTEMBER 1977

STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
LERWICK (PSYCHROMETER)	0	0	7	23	0	0	0	0	0	0	0	0	3	24	3	0
LERWICK (SCREEN)	0	0	8	22	0	0	0	0	0	0	0	0	3	25	2	0
STORNOWAY	0	0	0	26	4	0	0	0	0	0	0	0	5	18	7	0
CRAIBSTONE	0	0	1	17	12	0	0	0	0	0	0	0	5	22	3	0
ROTHESAY	0	0	0	18	12	0	0	0	0	0	0	0	2	17	11	0
ABBOTSINCH	0	0	0	16	14	0	0	0	0	0	0	0	6	12	12	0
ESKDALEMUIR (PSYCHROMETER)	0	0	6	19	5	0	0	0	0	0	0	0	6	15	9	0
ESKDALEMUIR (SCREEN)	0	0	5	16	9	0	0	0	0	0	0	0	6	15	9	0
DOUGLAS	0	0	0	19	11	0	0	0	0	0	0	0	0	14	16	0
BOULMER	0	0	0	12	16	2	0	0	0	0	0	0	3	19	8	0
HULL	0	0	0	7	17	6	0	0	0	0	0	0	0	15	15	0
GORLESTON	0	0	0	2	25	3	0	0	0	0	0	0	0	12	18	0

STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
CAMBRIDGE BOTANIC GARDENS	0	0	0	6	15	9	0	0	0	0	0	0	2	17	10	1
EDGBASTON	0	0	0	9	18	3	0	0	0	0	0	0	0	16	13	1
KEW (PSYCHROMETER)	0	0	0	7	17	6	0	0	0	0	0	0	5	10	12	3
KEW (NORTH-WALL SCREEN)	0	0	0	6	17	7	0	0	0	0	0	0	0	11	16	3
HASTINGS	0	0	0	4	26	0	0	0	0	0	0	0	0	10	18	2
SOUTHAMPTON	0	0	0	4	22	4	0	0	0	0	0	0	0	14	14	2
STONYHURST	0	0	0	13	17	0	0	0	0	0	0	0	4	14	12	0
VALLEY	0	0	0	7	23	0	0	0	0	0	0	0	1	9	20	0
RHOOSE	0	0	0	8	22	0	0	0	0	0	0	0	0	12	18	0
FALMOUTH	0	0	0	4	26	0	0	0	0	0	0	0	0	15	14	1
ALDERGROVE	0	0	0	13	17	0	0	0	0	0	0	0	4	15	11	0
ARMAGH	0	0	0	9	21	0	0	0	0	0	0	0	5	13	12	0

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND — SEPTEMBER 1977

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED							MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES						
													HOURLY WIND				GUST		
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	34 KT OR MORE (GALE FORCE) DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT	HOURS OF NO RECORD		YEAR FROM N	SPEED-KT	DAY	HOUR BEGINNING	YEAR FROM N	SPEED-KT	DAY	TIME
0 SCOTLAND N								NUMBER OF HOURS													
SHETLAND	LERWICK	93	10	10	5 13 28	15	15	129	364	196	13	3	15.2	260	40	28	15	220	59	28	1224
ORKNEY	KIRKWALL AIRPORT	41	15	10	5 13 14 28 30	9	11	89	378	219	25	0	14.3	260	42	28	12	250	60	28	1200
WESTERN ISLES	BENBECULA	16	10	10		0	14	129	373	161	57	0	14.4	270	31	30	22	290	51	30	2254
	STORNOWAY	12	10	10	4	2	12	108	304	276	30	0	13.2	190	42	4	01	230	51	5	0042
HIGHLAND	DALCROSS	19	10	10		0	9	55	309	241	111	4	11.1	230	30	2	10	250	48	28	0924
	DOUNREAY	34	12	9		0	8	33	282	249	156	0	9.8	260	29	28	11	270	46	28	1318
	DUIRINISH	38	20	17	28	1	12	134	221	243	106	15	12.6		34	28	09	190	53	4	0642
	FORT AUGUSTUS	58	16	16		0	0	0	152	275	266	27	6.1	250	19	2	04	250	39	2	0106
	WICK	45	10	10	28	1	11	58	377	254	30	0	12.7	270	35	28	13	250	60	28	2012
1 SCOTLAND E																					
GRAMPIAN	ABERDEEN DYCE AIRPORT	68	10	10		0	5	17	292	357	54	0	10.2	260	29	28	12	260	46	28	1200
	FRASERBURGH	29	13	11	12	3	13	72	354	274	17	0	13.0	270	35	12	04	260	49	11	1830
	KINLOSS	18	13	13		0	10	61	318	270	71	0	11.7	240	33	28	12	240	53	28	1206
	LOSSIEMOUTH	17	10	10		0	10	51	322	271	76	0	11.5	260	33	30	02	260	54	30	0136
TAYSIDE	BELL ROCK	39	40	38	2 4 5 28-30	28	25	227	379	77	9	0	19.5	240	44	29	18	250	57	30	0206
	MYLNEFIELD	40	10			0	1	3	174	315	228	0	7.3	240	23	29	12	240	41	29	1242
	TUMMEL BRIDGE	161	16	16		0	1	1	155	283	270	11	6.4	260	22	14	15	260	43	30	0118
FIFE	LEUCHARS	25	13	13		0	13	90	321	256	53	0	12.6	240	32	30	01	240	50	29	1348
LOTHIAN	EDINBURGH TURNHOUSE AIRPORT	43	13	10		0	9	55	318	271	76	0	11.5	250	30	30	01	250	57	30	0130
	ROYAL OBSERVATORY BLACKFORD HILL	159	10	10	DEFECTIVE RECORD																
	FORTH ROAD BRIDGE	72		72	28-30	11	13	148	290	195	76	0	14.2	230	40	30	01	220	54	29	2330
6 SCOTLAND W																					
STRATHCLYDE	ABBOTSINCH AIRPORT	16	10	10		0	3	11	277	294	138	0	9.2	270	25	28	10	200	42	28	0342
	ARDROSSAN	24	20		30	2	8	72	366	226	54	0	12.7	290	34	30	21	290	58	30	2112
	DUNSTAFFNAGE	13	10	10		0	3	28	300	278	114	0	10.3	250	30	28	08	250	47	28	1918
	GREENOCK PORT	51	49			0	4	23	363	225	104	5	10.6	260	24	29	21	270	43	29	2254
	INCHTERF	55	15	12		0	4	16	223	287	185	9	8.6	260	27	28	09	260	45	28	1142
	LOWTHER HILL	754	27		1 4 6 9-12 14 23-30	157	24	238	237	67	21	0	23.7	270	51	28	10	270	74	28	1006
	MACHRIHANISH	22	12	12	27 28 30	6	15	134	334	182	64	0	14.4	290	35	30	22	290	59	30	2006
	PAISLEY	57	25	9		0	2	9	182	319	201	9	7.6	200	25	28	03	200	47	28	0348
	PRESTWICK AIRPORT	21	10	10		0	7	43	388	189	100	0	11.7	280	29	28	09	300	47	30	2230
	TIREE	24	16	12		0	17	186	306	179	49	0	15.2	220	33	2	01	230	53	28	1606
DUMFRIES AND GALLOWAY	ESKDALEMUIR	259	10	10	28	2	10	67	260	300	91	0	11.1	240	35	28	14	250	60	28	1412
	WEST FREUGH	25	10	10		0	5	13	305	301	71	30	10.4	200	23	4	06	250	39	30	1436
2 ENGLAND E & NE																					
NORTHUMBERLAND	BLYTH	19	10	10	30	1	8	63	363	227	36	30	13.0	260	35	30	01	260	58	30	0124
	BOULMER	33	10	10	30	2	7	29	352	300	37	0	11.5	260	35	30	04	260	60	30	0418
TYNE AND WEAR	SOUTH SHIELDS	22	17	13		0	8	29	385	226	53	27	12.0	280	27	30	03	280	41	30	0330
CLEVELAND	SOUTH GARE	22	14	15	6 28-30	11	16	154	405	116	18	16	16.6	280	38	28	12	280	55	28	1254
DURHAM	DURHAM	119	16	10		0	0	0	128	380	151	61	6.7	270	20	30	02	270	44	30	0300
NORTH YORKSHIRE	LEEMING	42	10	10		0	6	21	298	341	60	0	10.5	240	29	30	15	240	52	30	1530
	LINTON-ON-OUSE	23	9	10		0	4	23	247	339	78	33	9.9	240	27	30	02	270	43	30	2348
	SILPHO MOOR	207	15	9		0	0	0	181	392	147	0	7.7	230	18	29	20	230	46	29	2106
LINCOLNSHIRE	BINBROOK	118	10	10		0	7	50	357	279	34	0	12.2	230	30	6	11	250	46	6	1318
	CONINGSBY	16	10	10		0	5	29	236	372	83	0	9.8	220	25	6	11	220	42	6	1124
	CRANWELL	68	13	13		0	7	57	347	289	18	9	12.1	250	28	29	13	250	42	29	1342
	SCAMPTON	68	10	10		0	5	19	318	355	28	0	10.8	240	26	30	14	220	40	6	1242
	WADDINGTON	80	10	10		0	3	17	280	379	44	0	10.3	210	24	6	09	220	42	6	0918
3 EAST ANGLIA																					
NORFOLK	COLTISHALL	27	10	10		0	2	13	250	361	96	0	9.3	230	24	30	16	230	39	30	1618
	GORLESTON	16	13	13		0	8	38	396	276	10	0	12.3	010	26	17	01	220	41	30	1618

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED							MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT			HOURLY WIND				GUST			
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS				HOURS OF NO RECORD		VEER FROM N	SPEED-KT	DAY	HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY	TIME
3 EAST ANGLIA - CONTINUED																				
	MARHAM	29	10	10		0	2	9	258	378	75	0	9.4	230	24	30	20	230	36	6	1436
CAMBRIDGESHIRE	WITTERING	87	10	10		0	0	0	215	454	51	0	9.2	230	21	6	13	230	36	6	1312
	WYTON	45	10	10		0	0	0	274	415	31	0	9.6	240	21	30	15	230	34	6	1454
SUFFOLK	HONINGTON	60	13	13		0	1	1	251	411	57	0	9.2	230	22	30	17	230	40	30	1712
	WATTISHAM	105	17	10		0	5	18	341	344	17	0	11.0	250	24	30	23	250	39	30	2312
BEDFORDSHIRE	BEDFORD	94	13	9		0	2	5	239	449	27	0	9.6	240	22	6	13	230	35	30	1848
	CARDINGTON	70	41	41		0	6	52	348	282	38	0	11.9	240	29	30	20	290	47	30	2354
HERTFORDSHIRE	GARSTON	94	15	10																
	ROTHAMSTED	141	13	10																
ESSEX	SHOEBURYNESS	17	14	12		0	0	0	207	483	30	0	8.7	230	18	30	19	240	30	30	0148
	STANSTED	108	10	10		0	0	0	164	472	84	0	8.0	240	19	30	21	250	34	29	1448
4 MIDLAND COUNTIES																				
SOUTH YORKSHIRE	FINNINGLEY	19	10	10		0	1	1	244	402	73	0	9.3	230	22	6	11	280	34	30	2218
	SHEFFIELD UNIVERSITY	146	29	15		0	0	0	209	427	77	7	8.5	270	21	30	20	280	48	30	2106
NOTTINGHAMSHIRE	WATNALL	133	16	10		0	0	0	205	452	63	0	8.6	220	21	28	08	220	42	28	0718
STAFFORDSHIRE	KEELE	215	15	10		0	0	0	88	394	215	23	5.9	250	17	30	14	260	39	30	1442
SALOP	SHAWBURY	84	12	10		0	3	16	195	433	72	4	9.1	260	25	10	11	260	38	10	1130
WEST MIDLANDS	BIRMINGHAM EDGBASTON	196	36	22		0	0	0	126	456	138	0	7.1	240	20	30	14	240	35	30	1436
	ELMDON AIRPORT	104	10	10		0	1	2	176	462	80	0	8.5	240	24	30	14	240	40	30	1430
HEREFORD & WORCS	PERSHORE	47	10	10																
OXFORDSHIRE	BENSON	60	10	10		0	0	0	175	384	161	0	7.3	240	18	29	14	240	33	29	1524
	BRIZE NORTON	91	13	10		0	1	1	253	369	97	0	8.9	240	22	30	16	250	43	30	1612
	OXFORD				DEFECTIVE RECORD															
5 ENGLAND SE & CENTRAL S																				
GREATER LONDON	HEATHROW AIRPORT	34	10	10		0	0	0	143	486	91	0	7.4	220	16	30	21	220	31	30	2130
	KEW	28	23	15		0	0	0	125	419	176	0	6.7	220	17	6	10	230	35	30	2336
	LONDON WEATHER CENTRE	93	70	38		0	1	2	323	372	23	0	10.3	220	22	2	01	230	40	6	1224
	POST OFFICE TOWER		174			0	10	122	498	100	0	0	16.4	270	32	30	22	320	47	30	2330
WILTSHIRE	BOSCOMBE DOWN	130	17	17		0	0	0	218	409	93	0	8.4	200	19	1	18	260	31	30	1542
	LARKHILL	145	13	10		0	0	0	164	493	63	0	8.0	260	16	30	23	260	32	30	2330
	LYNEHAM	159	14	11		0	2	4	209	455	52	0	8.6	240	22	30	13	250	38	30	1306
	PORTON	120	10	10		0	0	0	200	363	157	0	7.7	240	18	30	21	250	31	30	1530
KENT	DUNGENESS	16	10	10		0	3	12	401	269	38	0	11.7	260	27	30	23	260	46	30	2336
	ISLE OF GRAIN	15	12	10		0	2	2	167	414	116	21	8.1	230	22	30	22		35	30	
	DOVER	27	21	18	DEFECTIVE RECORD															
	MANSTON	62	18	18		0	4	20	369	303	28	0	11.5	220	26	6	10	230	37	28	1142
HAMPSHIRE	CALSHOT	15	13	10		0	3	9	295	357	57	2	10.0	190	26	2	01	230	36	30	1930
	FARNBOROUGH	75	10	10		0	0	0	113	411	196	0	6.4	250	16	30	23	210	31	6	0924
	MIDDLE WALLOP	94	10	10		0	0	0	175	406	136	3	7.5	250	18	30	21	250	32	30	2142
WEST SUSSEX	GATWICK AIRPORT	69	10	10		0	0	0	164	384	172	0	7.2	230	21	28	09	240	33	28	0930
	THORNEY ISLAND	16	10	10	DEFECTIVE RECORD															
7A ENGLAND NW & I O M																				
CUMBRIA	CARLISLE	41	13	9		0	3	5	230	364	121	0	8.6	260	23	29	23	280	46	30	1724
	GREAT DUN FELL	857	10	10	1 2 4-6 9-11 14 16 17 24 28-30	163	27	314	193	29	17	4	26.0	230	61	28	04	220	77	28	0354
	MOOR HOUSE	595	13	12	4 28 29	5	14	150	333	192	40	0	14.7	260	39	28	11	260	59	28	1206
	SELLAFIELD	25	12	11		0	5	27	316	332	45	0	10.9	130	28	4	11	130	40	4	1112
LANCASHIRE	FLEETWOOD	34	15	9		0	5	17	321	312	70	0	10.5	280	29	30	23	240	49	10	0224
	SQUIRES GATE AIRPORT	22	12	11		0	7	67	346	281	26	0	12.3	240	28	10	03	290	41	30	2254
MERSEYSIDE	AIGBURTH	38	23	11		0	4	15	225	410	70	0	9.2	210	33	28	05	210	49	28	0536
	SPEKE AIRPORT	30	10	10																
GREATER MANCHESTER	MANCHESTER RINGWAY AIRPORT	80	10	10		0	3	10	289	331	90	0	9.5	270	25	28	13	260	41	28	1042
	WEATHER CENTRE	82	45	17		0	4	12	202	463	43	0	9.1	250	26	28	12	240	47	29	1148
ISLE OF MAN	POINT OF AYRE	20	10	10		0	12	101	419	177	22	1	14.3	240	29	6	09	240	46	6	0912
	RONALDSWAY	25	10	10		0	12	98	358	246	18	0	13.6	200	31	4	09	210	46	4	1106
7B WALES N																				
GWYNEDD	VALLEY	26	16	12	1 4 27 28	15	13	173	252	213	67	0	14.8	200	38	28	02	200	54	28	0230
8A WALES SOUTH																				
DYFED	ABERPORTH	144	10	10		0	11	87	295	284	54	0	12.3	180	31	27	21	140	43	24	1306
	BRAWDY	121	10	10		0	6	26	333	274	87	0	10.8	260	25	30	18	230	37	28	0312
	MILFORD HAVEN	47	10	10		0	6	36	265	337	71	11	10.4	240	28	30	17	220	43	28	0236
WEST GLAMORGAN	PORT TALBOT	28	12	11		0	3	31	199	304	186	0	8.1	250	27	30	18	250	41	30	1836
MID GLAMORGAN	CILFYNYDD	210	16	16		0	1	8	176	352	184	0	7.6	310	25	30	15	310	45	30	1454
SOUTH GLAMORGAN	RHOOSE AIRPORT	74	10	10		0	2	9	230	383	98	0	9.2	270	25	30	20	260	40	30	1700
8B ENGLAND SW																				
AVON	AVONMOUTH	28	19	10		0	4	31	259	374	56	0	10.2	250	25	30	07	250	39	30	2200
SOMERSET	YEOVILTON	22	12	10		0	0	0	178	341	201	0	7.3	240	21	1	19	240	36	1	1912
DORSET	HURN AIRPORT	23	13	11		0	0	0	172	411	137	0	7.5	240	18	30	21	250	31	30	2154
	PORTLAND BILL CG	60	13	13	30	1	7	58	386	227	39	9	12.8	270	34	30	21	270	46	30	2142
DEVON	MOUNT BATTEN	64	13	13		0	3	10	283	306	121	0	9.4	220	24	1	15	130	36	24	0800
CORNWALL	CULDROSE					0	4	6	317	340	57	0	10.1	250	23	30	21	120	39	24	0100
	LIZARD	96	23	18		0	10	84	424	183	9	20	14.6	130	33	24	01	140	43	23	2348
	ST MAWGAN	120	13	13		0	3	17	269	357	77	0	9.7	140	27	24	01	140	38	24	0118
	SCILLY(ST MARYS)	70	20	17		0	11	61	451	163	44	1	14.0	130	32	23	22	130	52	23	2130
CHANNEL ISLANDS																				
	GUERNSEY AIRPORT	111	11	10		0	1	5	292	383	40	0	9.6	260	26	30	22	260	36	30	2218
	JERSEY AIRPORT	94	12	10		0	0	0	251	433	36	0	9.1	260	21	30	23	260	33	30	2306
NORTHERN IRELAND																				
LONDONDERRY	COLERAINE UNIVERSITY	33	10	10		0	2	4	282	281	153	0	8.9	250	23	29	14	290	38	30	2118
ANTRIM	ALDERGROVE	80	10	10		0	1	1	314	299	106	0	9.5	260	22	30	14	260	39	30	1436
	BALLYPATRICK FOREST	166	13	13		0	10	60	339	232	89	0	11.7	250	28	29	22	270	48	30	2136
	BELFAST HARBOUR	21	18	18		0	7	22	315	276	107	0	10.3	250	26	29	21	250	44	29	2136
DOWN	KILKEEL	36	19	14	DEFECTIVE RECORD															
	ORLOCK HEAD	51	16	12	30	2	16	117	378	196	10	17	14.9	260	36	30	14	260	53	30	1442
TYRONE	CARRIGANS	129	10	10	DEFECTIVE RECORD															
FERMANAGH	CASTLE ARCHDALE FOREST	79	13	13		0	0	0	218	311	167	24	7.7	190	20	4	04	260	40	30	1324

TABLE 3 ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
1977	APRIL	CLASHNOIR		0.2	3.5																										
		USAN											34																		
		WHITEHILLOCKS		0.8																											
		BLACKBURN SEWAGE WORKS											58		11	21	20	15						0							
		BLYTHE														28								0							
		BENMORE (YBG)											228	152				22													
		EAST KILBRIDE																18													
		PRESTWICK																	3												
		AGHANLOO					13.8	20																							
		CARNLOUGH																								8					
		PARKMORE FOREST						25																							
		BANGOR SEACOURT	10.6		7.6																										
		HILLSBOROUGH					14.8																								
		ALTAVEEDAN		2.6	6.0																										
		LOUGH NAVAR FOREST	9.8																						2						
	MAY	ISLE OF RHUM																													
		BLACKBURN SEWAGE WORKS	13.3	3.6	8.5		24.0	28	-1.4	15,18			45		12	12	13	7	-	-	-	-	0	4			-	7.04			
		GRANGEMOUTH																7													
		WASHINGTON											47																		
		ASKHAM BRYAN											38	77																	
		EAST BERGHOLT															(12)	(11)													
		STANSTEAD ABBOTTS		6.1	11.0																				1						
		HARLOW	15.4	6.1	10.7		22.3	28	0.1	1		9.6	35	79	5	7	14	12	0	0	0	1	2	0	0		0	6.77			
		MORLEY		5.1	9.7																							6.88			
		NEWTHORPE		(5.4)					-0.9	6															2						
		NOTTINGHAM	(14.7)																												
		BUGBROOKE MILLS																							2						
		SHIRBURN (MODEL FARM)	15.2	5.2	10.2		23.0	28	0.1	2,14	11.6		52		12	25	14	11	0	0	0	0	1	1	0	10		0			
		HARROW WEALD	15.9		10.9																										
		LACOCK															(13)	(7)													
		LONG SUTTON	(15.4)	(5.9)	(10.7)																										
		SPARSHOLT	(14.8)	(5.7)	(10.3)				1.5	1,4,14			57				(15)	(11)													
		ROGATE											(49)				(11)	(7)													
		PLUMPTON	15.3		10.9																			0				7.48			
		AIGBURTH											36				12	9													
		COLWYN BAY	13.7	6.7	10.2		22.6	27	2.5	18			27	55	10	3	10	5	0	0	0	0	0	0	0		0	8.77	128		
		CARMARTHEN	16.3		10.7																					-					
		CWMYSTWYTH															(16)	(11)													
		SWANSEA																										7.52			
		CRUMBLAND													21	2															
		USK																													
		BOURNEMOUTH (MEYRICK PARK)											-	-	-	-	-	-										7.99	111		
		CHRISTCHURCH											57	101																	
		PRINCETOWN											108				15	12													
		SCILLY (ST MARYS)											50	77			9	9								7					
		BALLYLUMFORD																													

Averages for 1941-70 were brought into use on 1-1-1974. Additions or corrections for months prior to this date refer to the averages in use at the time.

(x) Urban rooftop site.

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THE METEOROLOGICAL OFFICE

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MONTHLY WEATHER REPORT

OCTOBER 1977

VOLUME 94 NUMBER 10

METEOROLOGICAL OFFICE LIBRARY 13 JUN 1978

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

Mild: heavy rain and gales at times in the north and west.

The month began with a north-westerly airstream. On the 3rd and 4th fronts associated with a depression to the north-west moved eastwards across all areas and the depression subsequently moved south over western Britain. A complex area of low pressure then covered the British Isles. A ridge moving eastwards on the 10th was followed by a frontal system, but high pressure developed and persisted to the east from the 13th to the 22nd, whilst fronts moved northwards from time to time in the mainly southerly airstream. By the 23rd the European anticyclone had drifted sufficiently far south to allow Atlantic fronts to progress eastwards. Pressure was generally high to the south of Britain from the 25th to the 29th, frontal systems mainly affecting northern areas, but a cold front with developing waves crossed all parts on the 30th and 31st.

Weather

The early part of October was unsettled with rain or showers, some hail and thunder, sunny periods and gales at times. Temperatures began to rise during the second week and the middle of the month was drier, though with overnight fog which often became widespread. There were outbreaks of rain towards the end of the third week and very heavy rain fell in the west and north during the last week, with gales in exposed places.

Wind

Winds were fresh or strong throughout the month in northern areas, and in west Wales and western England until the 12th and from the 21st onwards. There were gales in northern and western districts on the 1st and 2nd and on western coasts on the 11th and 12th, but gales occurred most frequently from the 23rd onwards continuing chiefly to affect the same areas. The mountain station at Cairngorm recorded a gust of 92 kt on the 27th, but the gales were generally more severe at the end of the month, when the high-level stations at Lowther Hill (Strathclyde) and Great Dun Fell (Cumbria) recorded gusts of 83 kt on the 30th and 80 kt on the 31st respectively. Directions were west to north-westerly at first and then became mainly south-westerly, although South-easterly for a time, until the 12th. South to south-east winds prevailed from the 13th to the 21st and directions were later mostly south to south-westerly.

Temperature

Monthly mean temperatures were above average in all areas, exceeding the normal by about 1 to 2 °C in most districts, but were not much above average in Shetland, the north Midlands and parts of south-west England. In Scotland this was the mildest October since 1969. Unusually for this time of the year, temperatures began to rise after the 12th. The nights were mostly warm and the days often mild during the remainder of the month, although persistent fog kept temperatures lower in some places. Monthly maxima were mainly recorded during the third week, the highest values being in North Wales, where the temperature rose to 24.0 °C at Pen-y-Ffridd on the 18th. Air frosts were infrequent, mostly occurring before the 12th, and none at all were recorded in Northern Ireland.

Rainfall (including melted snow)

Monthly rainfall totals were very varied. In general, rainfall was below average in England (except the north-west), eastern Wales, parts of Northern Ireland, Orkney and over most of mainland Scotland north of a line westwards from Aberdeen: totals were above average in remaining northern and western areas and in isolated spots elsewhere. Values ranged from less than 25 per cent of the normal in places in south-east England and East Anglia to over 200 per cent in the Edinburgh area and in parts of south-west Scotland. Most areas were dry between the 13th and the 18th, but outbreaks of rain and scattered thunderstorms occurred at other times with heavy falls in the north and west. In Cornwall, 99.0 mm were recorded at Goonhilly Down in the 12 hours ending at 09 GMT on the 6th and 190.6 mm fell at Honister Pass in Cumbria between 15 GMT on the 23rd and 14 GMT on the 24th. Rainfall was exceptionally heavy in Wales, north-west England and southern Scotland at the end of the month. In the border counties of south-west Scotland, where flooding caused a great deal of damage to property, bridges were washed away and livestock perished, the total damage being estimated at about £1 million.

Snow

Snow fell on the upland slopes of the Scottish mountains between the 1st and the 5th and at the end of the month. The snow lay for a few days during the first week. No snow was observed at low-level stations, but a little sleet was reported at a few places in Scotland and on high ground in northern England during the same periods.

Sunshine

Sunshine totals were mainly between 75 and 100 per cent of average in the Western Isles, over most of mainland Scotland north of the Forth and Clyde valleys, in central parts of Northern Ireland and in north-east England. The extreme west of Northern Ireland had only about 65 per cent of the normal and the Northern Isles 60 to 65 per cent. This was the dullest October in Shetland since 1945, both Baltasound and Lerwick recording only about 37 hours of sunshine during the month. Except in a few isolated spots in England, monthly totals were above average elsewhere, mostly between 100 and 120 per cent of the normal. but exceeding 125 per cent in a few places in the Home Counties and on the East Anglian coast.

Fog

Overnight fog formed mainly at the beginning of the second week, between the 13th and the 22nd and from the 25th to the 28th. The fog was slow to clear in eastern England on the 8th and was widespread, dense and persistent over parts of England, particularly in central and eastern areas, during the third week. A number of road accidents occurred, London/Heathrow Airport was affected by fog, passengers were stranded on the Isle of Wight when the ferry service was cancelled because of dense fog in the Solent, and 14 cows were killed when a train struck a herd of cattle which strayed unseen on to the line near Newark (Nottinghamshire). Fog was also occasionally slow to clear in eastern Scotland during this period and it persisted in Shetland. Patchy fog at times in the last week mostly occurred over southern England and parts of Wales.

Miscellaneous Phenomena

A tornado in Grantham (Lincolnshire) on the evening of the 8th was reported to have uprooted trees and damaged at least 60 houses. The aurora was observed in Scotland on 2 nights.

Table 1 District values

District	air temperature °C					mean 30-cm earth temp °C	rain-days	rainfall	sunshine
	Highest Max. *	Lowest Min. *	max.	min.	mean				
			difference from average					% of average	
0 Scotland N	21.6	1.5	+1.2	+1.1	+1.2	-0.1	0	97	81
1 Scotland E	20.6	-0.3	+1.3	+1.5	+1.4	+0.9	+1	131	97
2 England E & NE	20.3	0.9	+0.7	+1.1	+0.9	+0.6	-1	72	102
3 East Anglia	20.4	1.0	+1.2	+1.2	+1.2	+0.6	0	43	115
4 Midland Counties	19.0	-0.5	+0.6	+1.1	+0.8	+0.5	+2	71	100
5 England SE & Central S	19.5	1.0	+1.0	+1.2	+1.1	+0.3	+1	72	113
6 Scotland W	20.0	-0.3	+1.4	+1.5	+1.4	+0.6	+2	152	103
7 England NW & Wales N	23.2	1.8	+0.9	+1.6	+1.2	+0.5	+2	107	105
8 England SW & Wales S	21.1	1.4	+0.7	+1.3	+1.0	+0.3	+2	93	107
N Ireland	17.6	3.3	+0.9	+1.6	+1.2	+0.9	+1	96	93
Scotland	21.6	-0.3	+1.3	+1.4	+1.3	+0.5	+1	127	94
England & Wales	23.2	-0.5	+0.9	+1.3	+1.0	+0.5	+1	76	107

*Highest maximum and lowest minimum of District Value Stations

F.H.I

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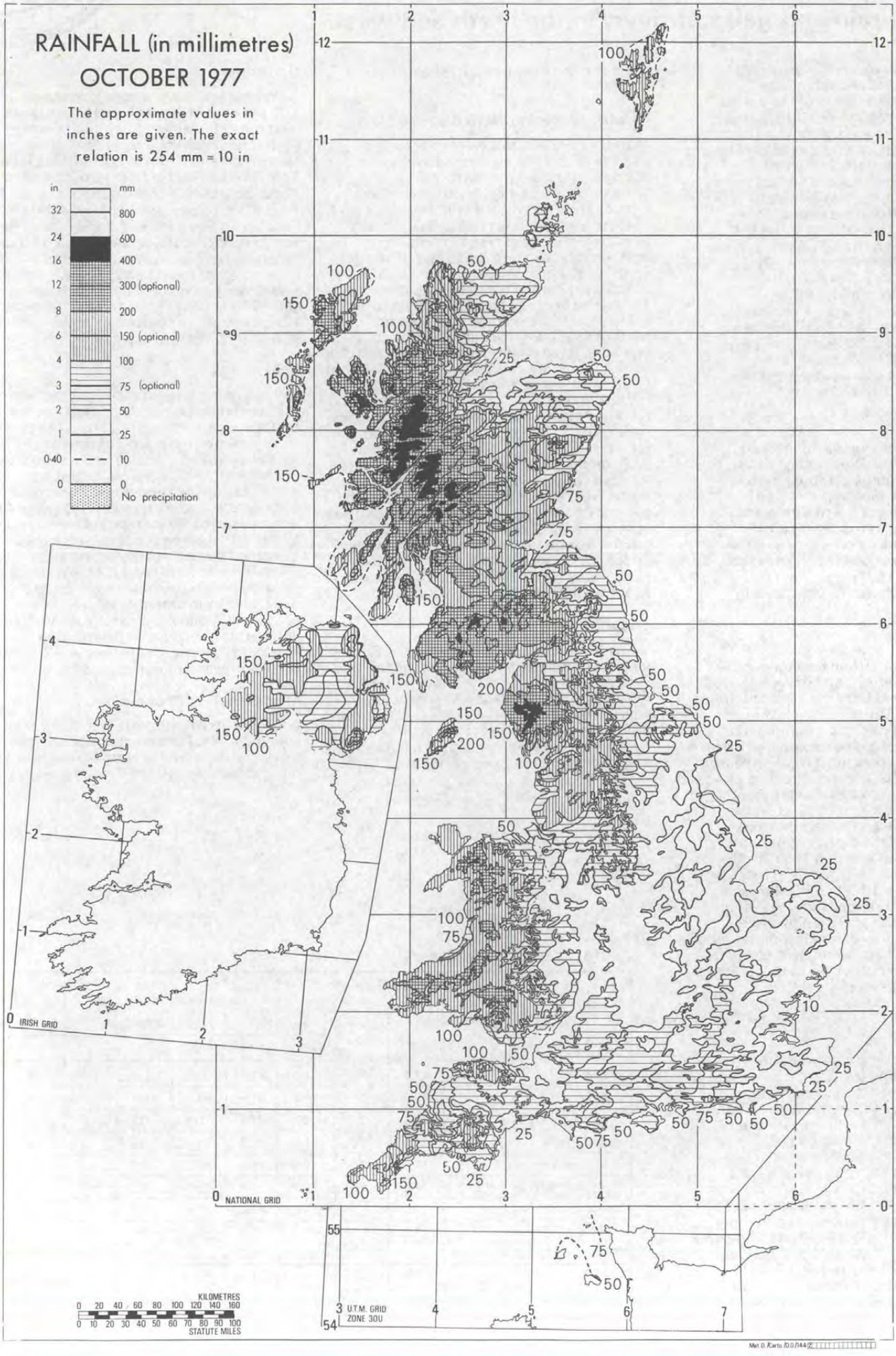
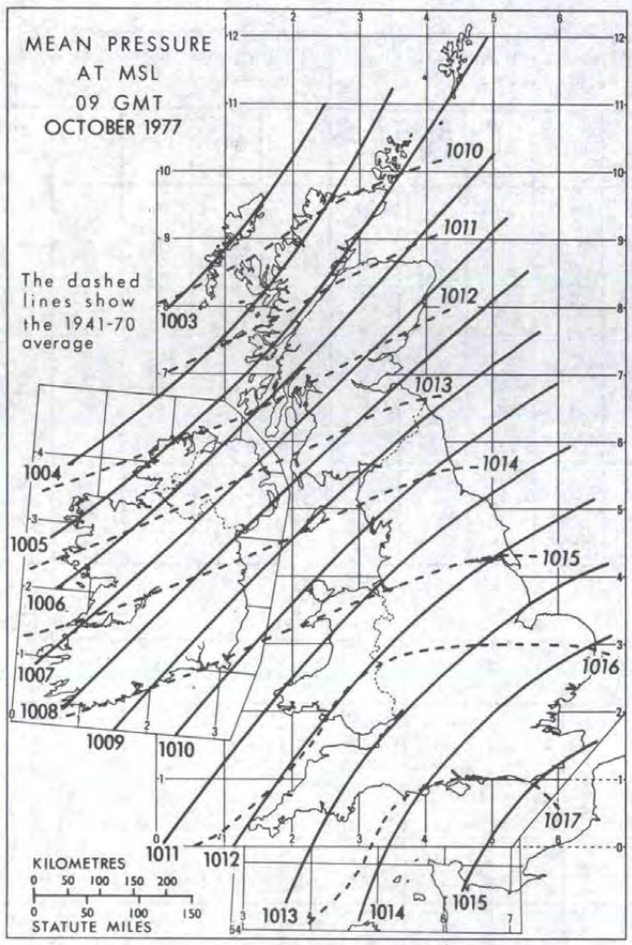
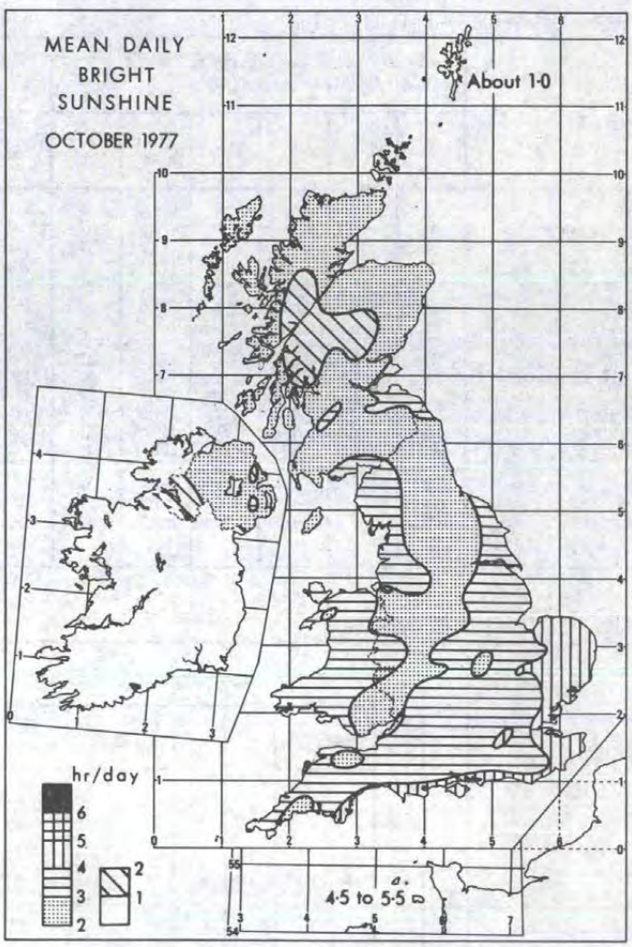
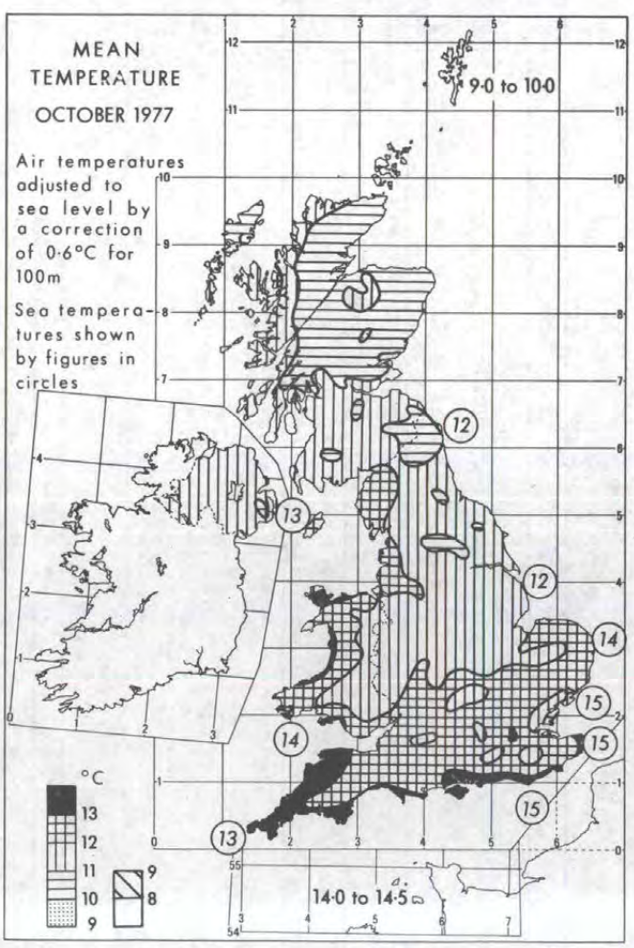

RAINFALL (in millimetres)
OCTOBER 1977
The approximate values in inches are given. The exact relation is 254 mm = 10 in
in
mm
32
800
24
600
16
400
12
300 (optional)
8
200
6
150 (optional)
4
100
3
75 (optional)
2
50
1
25
0·40
10
0
0
No precipitation
IRISH GRID
NATIONAL GRID
U.T.M. GRID ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES


MEAN PRESSURE
AT MSL
09 GMT
OCTOBER 1977
The dashed lines show the 1941-70 average
1003
1004
1005
1006
1007
1008
1009
1010
1011
1012
1013
1014
1015
1016
1017
KILOMETRES
0 50 100 150 200
0 50 100 150
STATUTE MILES


MEAN DAILY
BRIGHT
SUNSHINE
OCTOBER 1977
About 1·0
hr/day
6
5
4
3
2
2
1
4·5 to 5·5


MEAN
TEMPERATURE
OCTOBER 1977
Air temperatures adjusted to sea level by a correction of 0·6°C for 100m
Sea temperatures shown by figures in circles
9·0 to 10·0
12
13
12
14
15
14
15
15
13
°C
13
12
11
10
9
9
8
14·0 to 14·5

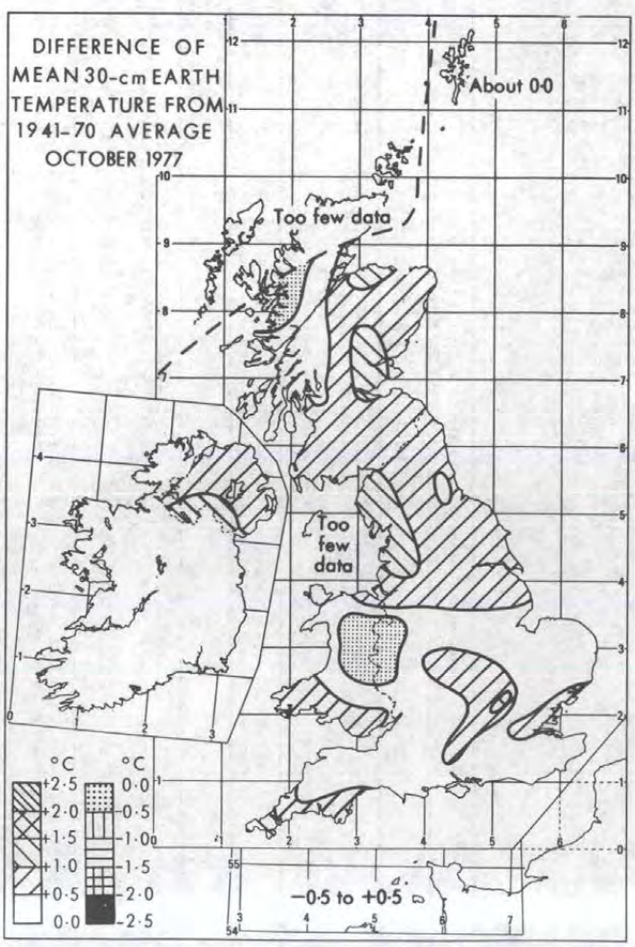

DIFFERENCE OF
MEAN 30-cm EARTH
TEMPERATURE FROM
1941-70 AVERAGE
OCTOBER 1977
About 0·0
Too few data
Too few data
°C
+2·5
+2·0
+1·5
+1·0
+0·5
0·0
°C
0·0
-0·5
-1·0
-1·5
-2·0
-2·5
-0·5 to +0·5

TABLE 2 SOLAR RADIATION AND ILLUMINATION

OCTOBER 1977

STATION	GLOBAL RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						DIFFUSE RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						GLOBAL ILLUMINATION ON A HORIZONTAL SURFACE (KILOLUX-HOURS)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	239	5	8	30	87.6	29	134	2	8	30	64.6	29	275	5	16	30	105.5	29
ABERDEEN UNIVERSITY	282	2	8	7	117.2	31												
ESKDALEMUIR	287	1	13	7	137.2	31	128	4	12	7	83.6	31	378	2	22	7	186.6	31
ABERPORTH	305	7	38	30	177.3	30	166	4	38	30	106.8	30						
CARDINGTON	354	1	67	26	180.1	29	191	3	67	26	107.4	29						
SILSOE	361	1	60	6	183.9	31	195	3	60	6	109.5	31						
ROTHAMSTED																		
GARSTON																		
WALLINGFORD	316	1	60	21.24	157.1	31												
LONDON WEATHER CENTRE	308	1	66	6	174.2	30	198	3	47	31	107.5	30	376	1	98	6	224.4	30
KEW	309	1	67	21	174.3	30	202	3	48	31	111.6	30	398	12	82	21	212.3	30
EASTHAMPSTEAD	354	1	64	6	174.9	31	189	3	51	31	108.3	31	450	1	88	6	226.4	31
EAST MALLING	375	1	45	27	181.4	31												
RUSTINGTON	491	1	50	21	217.4	31												
EVERTON																		
WAREHAM	335	1.7	61	24	204.4	31												
JERSEY AIRPORT	389	7	94	24	229.0	31	167	1	76	29	109.7	31	491	7	132	24	294.7	31
ALDERGROVE	276	8	37	30	143.5	30	154	2	36	30	94.5	30	370	8	59	30	195.7	30

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

OCTOBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
0 SCOTLAND N																															
SHETLAND																															
BALTASOUND	9	24	10.9	6.5	8.7	+0.3	13.7	20	0.1	6	9.0	-	148	123	20	8	25	22	0	0	0	0	0	2	0	-	-	3	1.19	64	-
FAIR ISLE	9	57	11.0	8.6	9.8	-	12.4	12.22	4.9	3	9.7	9.7	81	-	16	31	25	17	0	0	0	0	0	5	0	2	-	10	1.59	-	-
LERWICK	21-9	82																													
PSYCHROMETER			10.5	7.8	9.1	-	13.1	20	4.8	3	-	-	116	-	22	7	24	16	0	0	0	0	0	6	0	0	0	3	1.20	60	-
SCREEN			10.7	7.8	9.3	+0.8	13.4	20	4.8	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORKNEY																															
KIRKWALL AIRPORT	21-9	26	12.2	7.8	10.0	+0.8	14.5	22	3.0	3	-	-	51	45	12	31	22	12	1	0	0	1	0	2	0	0	0	3	1.57	66	-
WEYLAND	9	24	12.2	8.2	10.2	-	14.9	22	4.2	5	9.9	-	42	-	8	31	20	13	0	0	0	0	0	5	0	1	-	1	-	-	-
WESTERN ISLES																															
BENBECULA	21-9	6	13.0	9.5	11.3	+1.2	16.1	16	2.5	6	-	-	176	-	36	11	27	24	0	0	1	1	0	0	0	3	2	4	2.22	90	-
STORNOWAY	21-9	3	12.9	8.3	10.6	+1.1	16.9	17	2.7	9	-	-	143	-	34	11	22	19	0	0	1	1	0	0	0	3	0	6	2.24	92	-
HIGHLAND																															
ACHANY	9	107	13.3	5.8	9.5	-	18.2	19	0.2	11	9.2	-	76	-	13	28	21	11	0	0	0	0	0	0	0	8	-	1	2.18	-	-
ACHNASHELLACH	9	67	14.5	7.2	10.9	+1.9	21.6	15	1.8	5	-	-	249	99	49	28	25	22	0	0	0	0	0	0	0	-	-	0	-	-	-
BALMACARA	9	4	15.0	9.0	12.0	-	21.9	18	3.9	11	-	-	248	131	27	12	25	21	0	0	0	0	0	0	0	-	-	2	-	-	-
CAPE WRATH	21-9	112	13.1	8.9	11.0	+1.5	19.9	18	4.9	12	-	-	86	65	10	11	22	16	0	0	0	0	0	0	0	0	0	4	2.15	-	-
CASSLEY	9	99	13.1	6.3	9.7	-	17.5	21	0.8	11	-	-	173	-	44	28	22	17	-	-	-	-	-	-	0	6	-	-	-	-	-
CORPACH	9	8	14.3	7.6	10.9	-	19.5	15	3.2	11	-	-	341	-	40	11	23	23	0	0	0	0	0	0	0	0	-	0	-	-	-
CRAIGOARROCH	9	38	14.4	5.3	9.9	-	19.7	21	0.0	5	-	-	67	-	16	7	21	12	0	0	1	0	0	1	0	9	-	0	-	-	-
DALCROSS	9	11	14.2	6.8	10.5	-	19.7	15	1.4	5	-	-	31	-	5	6	18	10	-	0	-	-	-	0	0	4	-	1	-	-	-
DALWHINNIE	9	351	11.5	5.6	8.5	-	16.7	15	-0.1	3	-	-	174	-	39	30	25	23	1	0	0	0	0	0	1	3	-	0	1.75	-	-
DIABAIG	9	46	14.8	9.4	12.1	-	22.4	18	5.1	11	-	-	139	-	15	11	23	21	0	-	0	2	0	-	0	-	-	6	-	-	S
DOUNREAY	9	21	13.8	(7.5)	(10.7)	-	18.0	19	2.5	5.6.11	-	-	56	59	13	1	16	12	0	0	0	0	0	0	0	2	-	1	2.59	-	-
FORT AUGUSTUS	9	21	13.9	7.3	10.6	+1.5	19.7	15	2.8	5	-	-	144	-	29	30	23	18	0	0	0	0	0	1	0	-	-	2	1.73	90	-
FORTROSE	9	5	13.3	8.7	11.0	+1.0	18.5	21	5.5	9	-	-	27	43	6	6	14	9	-	0	-	-	-	2	0	-	-	-	2.43	91	-
GLENMORE LODGE	9	341	13.4	5.8	9.6	-	19.2	15	-0.2	5	-	-	86	79	26	30	20	13	0	0	0	0	0	0	1	7	3	1	2.67	-	S
GRANTOWN-ON-SPEY	9	229	13.6	5.4	9.5	-	18.2	15	-1.0	5	-	-	40	-	12	30	18	12	0	0	0	0	0	1	2	14	-	0	2.56	-	-
HEASTE	9	109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INVERNESS	9	4	14.2	7.3	10.7	-	19.2	19	3.5	5	-	-	29	46	5	30	17	11	0	0	0	0	0	2	0	1	-	0	2.66	-	-
INVERPOLLY	9	14	14.6	8.4	11.5	-	20.0	15.19	2.1	11	10.4	-	94	-	12	11.27	21	19	0	0	0	0	0	0	0	-	-	1	-	-	-
ISLE OF RHUM	9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KEISS	9	30	12.3	7.7	10.0	-	15.3	22	1.7	5	9.9	10.3	43	-	14	1	20	14	0	0	0	1	0	2	0	2	-	0	2.34	-	-
KNOCKANROCK	9	244	-	-	-	-	-	-	-	-	-	-	164	69	26	28	24	21	-	-	-	-	-	-	-	-	-	-	-	-	-
LAGGANLIA	9	250	13.1	6.1	9.6	-	17.3	17	-0.3	11	-	-	68	-	24	30	16	12	0	0	0	0	1	1	1	6	-	2	-	-	-
LAIRG	9	107	13.4	5.5	9.5	-	19.1	18	-0.7	11	8.7	9.1	71	-	13	7	21	13	0	0	0	0	0	1	1	4	-	0	-	-	-
LENTRAN	9	146	13.5	6.2	9.9	-	18.2	15	1.9	6.9.10	-	-	43	-	9	30	19	9	0	0	0	0	0	0	0	5	-	2	-	-	-
NAIRN	9	6	14.1	6.7	10.4	+0.9	19.2	21	1.3	5	-	-	26	45	5	6	16	9	0	0	0	0	0	1	0	5	-	3	2.58	89	-
ONICH	9	15	14.5	7.7	11.1	+1.4	20.0	18	2.0	11	-	-	269	116	25	12	22	22	-	0	-	-	-	6	0	0	-	-	1.69	84	S
POOLEWE	9	6	14.5	8.9	11.7	-	21.1	18	4.4	6	-	-	142	-	15	27	25	22	0	0	0	2	0	0	0	0	-	6	2.12	-	-
PRABOST	9	67	13.2	8.3	10.7	-	18.7	18	3.4	5	-	-	179	83	23	11	24	21	0	0	0	2	0	0	0	3	-	5	2.16	-	-
RUBH RE	21-9	16	13.7	9.7	11.7	-	20.0	18	5.0	10.11	-	-	126	-	14	30	24	22	0	0	0	0	0	0	0	0	0	6	-	-	-
STRATHCONON	9	107	-	-	-	-	-	-	-	-	-	-	110	-	24	7	21	18	-	-	-	-	-	-	-	-	-	-	-	-	-
TARBATNESS	21-9	18	13.2	7.8	10.5	+0.9	17.5	19	4.4	11	-	-	30	-	5	28	20	9	0	0	0	0	0	0	0	-	-	1	-	-	-
TOMATIN	9	311	12.7	5.8	9.3	-	18.5	17	0.5	5	-	-	59	-	11	30	20	12	0	-	0	0	0	-	0	-	-	0	-	-	-
TORRISDALE	9	27	13.9	7.8	10.9	-	19.5	17	2.3	11	-	-	53	-	9	1	19	11	0	0	0	0	0	0	0	1	-	1	2.54	-	-
WICK	21-9	36	12.4	7.9	10.1	+0.8	15.5	22	1.5	6	-	-	31	42	12	1	18	6	0	0	0	0	0	2	0	2	2	0	2.31	84	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — OCTOBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(GMT) OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	BRIGHT SUNSHINE EXPOSURE
1 SCOTLAND E																																
GRAMPIAN																																
ABERDEEN																																
DYCE AIRPORT	21-9	58	13.2	7.6	10.4	+1.3	16.6	19	1.4	5	-	-	77	97	20	7	14	9	0	0	0	0	0	2	0	6	1	1	2.49	82	-
MANNOFIELD	9 9	16	-	-	-	-	-	-	-	-	-	-	79	101	17	6	14	11	0	0	0	0	0	2	-	1	-	0	-	-	-
BALMORAL	8 8	283	12.4	5.0	8.7	+1.1	17.3	21	-1.2	5	-	-	97	122	28	30	18	10	0	0	0	0	0	-	2	7	-	0	-	-	-
BANCHORY	9 9	77	13.5	6.7	10.1	-	16.5	22	0.2	5	-	-	98	-	25	30	15	11	0	0	0	0	0	1	0	2	0	2	-	-	-
BANFF	9 9	24	13.3	8.4	10.9	-	17.0	20,22	3.5	5	-	-	48	69	10	30	15	12	0	0	0	0	0	2	0	-	-	-	2.45	-	-
BRAEMAR	9 9	339	12.2	5.2	8.7	+1.2	18.1	15	0.5	10	-	-	126	144	42	30	20	13	-	0	-	-	-	2	0	15	-	4	1.86	86	S
CLASHNOIR	9 9	338	12.8	5.6	9.2	-	18.3	18	1.0	5	8.4	-	58	-	13	30	17	14	0	0	0	0	0	0	0	7	-	5	2.76	-	-
CRAIBSTONE	9 9	91	12.9	7.4	10.1	+1.0	16.7	19	(1.5)	10	10.1	10.4	89	109	22	7	17	9	0	0	-	-	0	5	0	2	-	0	2.73	88	-
CULTERTY	9 9	3	13.0	7.6	10.3	-	15.7	13	0.6	5	-	-	51	77	13	30	11	10	0	-	-	-	0	5	0	3	-	0	-	-	-
ELGIN	9 9	15	(14.4)	(7.1)	(10.7)	-	(19.0)	16	(0.5)	6	-	-	38	57	6	30	16	12	-	-	-	-	0	6	0	4	-	-	2.86	-	-
FOREHILL	9 9	40	12.4	8.0	10.2	-	15.2	28	3.0	5	-	-	52	-	12	30	13	10	0	-	-	-	0	6	0	0	0	0	-	-	-
FORRES	9 9	5	14.5	7.5	11.0	+1.7	19.3	19	2.8	5	10.2	11.4	30	-	5	31	17	9	0	0	0	0	0	0	0	6	0	0	2.40	82	-
FRASERBURGH	21-9	19	13.0	8.4	10.7	-	16.8	20	3.5	5	-	-	56	83	10	30	12	10	0	0	0	0	0	5	0	0	0	2	2.26	-	-
FYVIE CASTLE	9 9	55	13.2	6.3	9.7	-	17.0	19,20	-0.5	5	-	-	61	74	12	30	17	11	0	-	-	-	0	-	1	3	-	10	-	-	S
GARTLY	9 9	146	13.3	6.3	9.8	-	17.3	21	0.7	6	-	-	73	-	13	7	15	12	-	-	-	-	0	-	0	5	-	-	-	-	-
GLENLIVET	21-9	215	13.8	6.2	10.0	-	19.6	16	0.1	5	-	-	54	66	9	4.30	18	13	0	0	0	0	0	0	0	6	1	0	2.92	-	-
INVERURIE	9 9	54	13.4	6.9	10.1	-	17.2	19	-0.3	5	-	-	66	-	14	7	16	10	0	0	0	0	3	1	0	6	-	0	2.37	-	-
KEITH	9 9	106	14.2	5.9	10.1	-	18.5	21	-0.5	5	-	-	60	-	10	30	17	13	0	-	0	0	0	1	0	6	-	1	2.86	-	-
KINLOSS	21-9	5	14.5	7.4	10.9	+1.4	19.6	19	1.5	6	10.9	-	26	45	4	30	16	11	0	0	0	0	0	0	0	6	0	0	2.42	-	-
LOSSIEMOUTH	21-9	6	14.7	7.2	10.9	-	19.3	16,19	0.4	5	-	-	30	49	7	30	14	10	0	0	0	0	0	0	0	5	1	1	-	-	-
TAYSIDE																																
ARBROATH	9 9	28	12.9	8.7	10.8	-	14.8	24	4.2	3	-	-	82	143	21	30	18	10	0	0	0	0	0	3	0	2	-	0	2.74	85	-
ARDTALNAIG	9 9	130	12.5	7.3	9.9	-	16.1	19,21	2.2	3	-	-	176	127	35	30	24	18	0	0	0	0	0	0	0	1	-	1	1.95	-	-
DRUMMOND CASTLE	9 9	113	12.6	6.8	9.7	-	16.0	24	0.4	3	10.6	-	201	-	44	30	27	17	0	0	0	0	0	-	0	3	-	0	2.01	-	-
DUNDEE	9 9	45	14.3	7.6	10.9	+1.4	16.6	21	2.6	3	10.7	-	103	158	34	7	16	13	0	0	0	0	0	8	0	3	-	0	2.84	97	-
FASKALLY	9 9	94	13.0	7.0	10.0	-	15.4	22	0.4	3	10.6	11.1	92	105	21	30	20	16	1	0	0	0	0	0	0	5	-	0	-	-	-
KINDROGAN	9 9	259	11.4	5.2	8.3	-	14.3	20	-1.1	5	-	-	99	-	29	30	21	15	0	0	0	0	4	2	8	0	-	0	-	-	-
KINROSS	9 9	116	13.1	6.0	9.5	-	16.1	19,21	-1.0	3	9.7	-	124	-	30	30	23	14	-	-	-	-	-	-	1	1	-	-	2.17	-	-
MONTROSE	9 9	57	12.9	7.7	10.3	-	17.0	22	2.4	3	-	-	75	110	17	30	18	10	0	0	0	0	5	0	2	-	0	-	-	-	-
MYLNEFIELD	9 9	30	13.3	8.4	10.9	-	16.7	21	1.9	3	10.7	10.9	100	161	36	7	16	13	-	0	-	-	4	0	3	-	0	2.70	-	-	-
PERTH	9 9	23	13.6	7.3	10.5	+1.2	16.9	20	0.5	3	-	-	118	171	29	7	16	13	-	0	-	-	2	0	3	-	-	2.00	74	-	-
STRATHALLAN	9 9	41	13.6	7.8	10.7	-	17.2	20	1.7	3	-	-	136	-	39	30	18	12	0	0	0	0	2	0	3	-	3	-	-	-	-
USAN	21-9	30	12.9	8.4	10.7	-	15.2	24	2.6	3	-	-	71	-	24	30	16	10	0	0	0	0	5	0	0	0	2	2.82	-	-	-
WHITEHILLOCKS	9 9	258	12.2	6.0	9.1	-	15.3	19	-1.2	5	-	-	152	139	43	30	22	15	0	0	0	0	1	1	-	6	-	0	-	-	S
FIFE																																
BELLISTON	9 9	82	13.6	8.4	11.0	-	17.1	19	2.7	3	11.2	-	110	167	28	7	20	13	0	0	0	0	3	0	1	-	0	-	-	-	-
CUPAR	9 9	36	13.5	7.5	10.5	-	17.9	21	-0.9	3	10.5	-	115	-	26	30	21	11	0	0	0	0	-	0	1	1	-	0	2.78	-	S
GLENROTHES	9 9	117	13.1	7.6	10.3	-	16.8	21	2.3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEUCHARS	21-9	10	13.7	7.9	10.8	+1.1	17.7	21	2.5	3	-	-	105	182	39	7	19	12	0	0	0	0	2	0	2	1	0	3.03	93	-	-
PITREAVIE	21-9	40	14.1	8.7	11.4	-	18.0	21	3.1	3	-	-	113	177	40	30	19	11	0	0	0	0	2	0	-	0	1	-	-	-	-
ST ANDREWS	9 9	18	13.7	8.6	11.1	-	16.9	22	3.3	3	10.6	11.1	100	172	29	7	15	12	0	0	0	0	1	0	2	-	0	-	-	-	-
LOTHIAN																																
BLACKBURN SEWAGE WORKS	9 9	131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BUSH HOUSE	9 9	184	13.3	7.0	10.1	-	18.0	21	2.9	11	10.3	10.8	100	133	36	30	21	10	0	0	0	0	2	0	0	-	0	3.27	96	-	-
DUNBAR	9 9	23	14.3	8.7	11.5	+1.3	18.5	22	4.5	3	-	-	85	173	28	30	17	10	0	0	0	0	2	0	0	-	0	3.11	-	-	-
EDINBURGH																																
EAST CRAIGS	9 9	61	14.1	7.6	10.9	-	19.8	21	1.5	3	10.9	-	133	-	54	30	16	8	0	0	0	0	4	0	3	-	2	3.40	-	-	-
ROYAL BOTANIC GARDEN	9 9	26	14.4	8.6	11.5	+1.6	20.6	21	3.8	3	10.9	-	121	215	48	30	17	10	0	0	0	0	2	0	2	-	0	3.37	115	-	-
ROYAL OBSERVATORY BLACKFORD HILL	9 9	134	13.6	8.2	10.9	+1.1	17.9	21	4.6	1,3	-	-	105	185	41	30	16	9	0	0	0	0	3	0	0	-	2	3.19	101	-	-
TURNHOUSE AIRPORT	21-9	35	14.2	8.2	11.2	+1.5	19.4	21	2.0	3	-	-	120	204	51	30	18	8	0	0	0	0	2	0	5	1	0	3.05	107	-	-
HADDINGTON	9 9	49	14.5	8.1	11.3	-	19.5	21	(3.7)	3	-	-	57	109	25	30	14	7	0	0	0	0	2	0	-	-	0	-	-	-	S
LIVINGSTON	9 9	125	13.3	7.1	10.2	-	18.2	19	1.0	3	9.4	-	139	-	68	30	21	14	0	0	0	0	5	0	5	-	0	-	-	-	-
NUNRAW ABBEY	9 9	195	13.6	7.4	10.5	-	17.3	19	3.1	3	-	-	76	-	38	30	19	8	0	0	0	0	1	0	-	-	1	-	-	-	-
PATHHEAD	9 9	131	13.8	7.8	10.8	-	18.5	21	3.3	11	10.2	-	53	-	24	30	15	6	0	0	0	0	3	0	0	-	0	-	-	-	-
PENICUIK	9 9	189	13.8	6.6	10.2	+1.4	19.4	21	2.1	11	10.0	-	84	105	31	30	17	9	0	0	0	0	3	0	2	-	1	2.93	109	-	-
BORDERS																																
BLYTH BRIDGE	9 9	253	13.2	7.0	10.1	-	17.4	16	1.3	11	-	-	103	121	35	30	20	15	0	0	0	0	1	0	3	-	1	3.12	-	-	-
BLYTHE	9 9	262	12.8	6.4	9.6	-	16.2	19	1.0	3	-	-	97	130	49	30	16	9	-	0	-	-	2	0	7	-	-	2.99	-	-	-
BONCHESTER BRIDGE	9 9	146	14.3	5.9	10.1	-	19.9	20	-0.1	3	-	-	104	-	50	30	18	13	-	-	-	-	-	1	-	-	-	-	-	-	-
BOWHILL (SELKIRK)	9 9	168	13.2	6.0	9.6	-	17.4	19	0.7	3	-	-	139	188	65	30	20	14	0	0	0	0	6	0	-	-	1	-	-	-	-
FLOORS CASTLE	9 9	59	13.9	6.4	10.1	-	17.8	19	1.7	3	-	-	57	97	12	6	17	12	0	0	0	0	6	0	-	-	0	-	-	-	-
GALASHIELS	9 9	198	13.0	6.7	9.9	-	17.0	19	2.4	5	-	-	117	-	57	30	19	11	0	0	0	0	4	0	0	-	0	2.68	-	-	S
GLENTRESS	9 9	165	14.0	6.5	10.3	-	19.0	17	-0.5	3	-	-	100	133	41	30	16	12	-	0	-	-	2	1	-	-	-	-	-	-	-
GREYCROOK	9 9	76	13.9	6.4	10.1	-	17.9	19	0.5	3	10.8	-	66	-	22	30	17	8	0	0	0	0	-	0	5	-	0	-	-	-	-
KELSO	9 9	34	14.3	7.0	10.7	-	18.3	19,21	1.5	3	-	-	51	-	14	6	15	8	0	0	0	0	4	0	1	-	0	-	-	-	-
LEITHOLM	9 9	64	13.9	6.5	10.2	-	18.2	19	1.4	3,8	10.4	-	60	-	17	6	19	9	0	0	0	0	4	0	4	-	3	3.23	-	-	-
ST ABBS HEAD	9 9	75	13.3	8.2	10.7	+0.8	16.0	22	3.7	5	-	-	-	-	-	-	-	-	0	0	0	0	3	0	0	0	4	-	-	-	-
STANHOPE FARM	9 9	226	13.2	6.8	10.0	-	18.4	17	0.6	11	-	-	184	175	72	30	23	18	0	0	0	0	0	0	1	-	3	-	-	-	-
WEST LINTON	9 9	244	13.5	6.8	10.1	+2.0	18.1	15	0.8	3,11	9.7	10.6	98	112	36	30	20	13	0	0	0	0	1	0	2	-	0	-	-	-	-
WHITCHESTER	9 9	255	12.7	6.4	9.5	-	16.3	19	1.8	5	-	-	92	113	29	6	18	8	0	0	0	0	-	0	-	-	2	-	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

OCTOBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
6 SCOTLAND W																															
STRATHCLYDE																															
ACHAGLACHGACH	9 9	12	(14.0)	8.8	(11.4)	-	16.8	19	2.6	11	-	-	169	95	35	7	26	18	-	0	-	-	-	-	0	3	-	-	-	-	-
AROS	9 9	37	14.1	9.0	11.5	-	18.4	14	3.3	5	-	-	250	-	41	11	27	24	0	0	0	0	0	4	0	3	-	1	-	-	-
AUCHINCRUIVE	9 9	45	14.3	8.9	11.6	+1.7	18.1	18	3.9	11	11.3	11.5	185	189	42	30	21	17	0	0	1	0	0	0	0	1	-	0	3.05	114	-
BARRHEAD	9 9	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENMORE(YOUNGER BOTANIC GARDEN)	9 9	12	13.3	8.5	10.9	-	15.5	22	2.5	11	11.8	-	271	107	39	7	25	23	0	0	0	1	0	0	0	3	-	0	-	-	-
BRODICK CASTLE	9 9	15	14.3	8.9	11.6	-	16.9	20	3.9	11	12.0	-	241	121	36	3	24	20	0	0	0	0	0	0	0	1	-	-	-	-	-
CAMPS RESERVOIR	9 9	295	12.4	6.5	9.5	-	17.6	15	0.5	11	-	-	226	193	82	30	23	20	1	0	0	1	0	0	0	-	-	5	2.86	-	-
CARNWATH	9 9	208	13.3	5.7	9.5	-	18.1	16	-2.1	3	10.1	-	134	170	59	30	20	16	0	0	0	0	0	2	4	6	3	9	-	-	-
COLONCAY	9 9	35	13.4	9.5	11.5	-	16.3	19	4.0	11	-	-	153	-	26	7	24	20	1	0	0	0	2	1	0	-	-	5	-	-	-
CRAWFORDJOHN	9 9	274	12.8	6.6	9.7	-	17.8	16,19	-0.5	11	10.3	-	-	-	-	-	-	-	0	0	0	1	0	0	1	2	1	3	2.74	-	-
CUMNOCK	9 9	99	14.0	8.1	11.1	-	19.2	18	1.8	3	11.2	-	194	-	62	30	19	17	0	0	0	0	0	0	0	1	-	2	2.72	-	-
DUNSTAFFNAGE	9 9	3	14.1	9.3	11.7	-	18.2	15	5.1	11	-	-	220	-	25	30	24	22	0	0	0	0	2	0	0	2	-	4	-	-	-
EAST KILBRIDE	9 9	178	13.3	7.8	10.5	-	18.4	15	3.5	11	-	-	205	-	49	30	24	19	0	0	0	0	0	-	0	2	-	0	3.15	-	-
FINNART	9 9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GIRVAN	9 9	8	14.6	9.8	12.2	-	18.2	18	6.3	11	-	-	177	174	44	30	21	17	0	0	0	0	0	0	0	0	-	5	2.80	-	-
GLASGOW																															
ABBOTSINCH AIRPORT	21-9	5	14.0	8.6	11.3	+1.4	17.5	19	1.3	11	-	-	164	-	32	30	22	18	0	0	0	0	0	2	0	4	0	0	2.43	99	-
SPRINGBURN PARK	9 9	107	13.0	8.2	10.6	+1.3	17.1	10	4.0	11	-	-	191	178	40	7	22	18	0	0	0	0	0	8	0	2	-	0	2.51	109	-
WEATHER CENTRE (X)	21-9	40	14.1	9.7	11.9	-	18.0	19	6.1	3	-	-	179	-	42	7	22	18	0	-	0	0	1	0	0	-	-	0	2.73	-	-
GREENOCK	9 9	61	-	-	-	-	-	-	-	-	-	-	210	126	36	7	22	18	-	-	-	-	-	-	-	-	-	-	-	-	-
HELENSBURGH	9 9	89	12.6	7.8	10.2	+0.9	15.6	19	3.0	11	-	-	179	118	38	5	23	17	-	0	-	-	-	1	0	-	-	-	2.01	-	S
HUNTERSTON	9 9	8	14.1	9.9	12.0	-	18.0	15	6.2	11	-	-	150	-	27	7	22	19	0	0	0	0	0	0	0	-	-	4	-	-	-
KILDONAN	9 9	18	13.6	9.2	11.4	-	16.8	17	5.0	11	-	-	179	-	31	3	21	17	0	0	0	2	0	0	0	0	0	3	2.98	-	-
KNAPDALE FOREST	9 9	12	13.6	8.1	10.9	-	16.2	15	1.8	11	-	-	227	-	41	7	26	24	0	0	0	0	0	0	0	2	-	0	-	-	-
LANARK	9 9	152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEADHILLS	9 9	388	11.8	6.5	9.1	-	18.2	15	0.6	11	-	-	341	209	99	30	22	21	1	0	0	0	0	1	0	3	-	11	-	-	-
MACHRIHANISH	21-9	10	13.9	9.8	11.9	-	16.5	18	4.0	10	-	-	144	113	25	3	21	17	0	0	1	4	3	0	0	0	0	5	2.81	-	-
MILLPORT	9 9	5	14.2	9.6	11.9	-	17.2	16	5.2	11	-	-	149	118	28	3	19	16	0	0	0	0	0	0	0	-	-	4	-	-	-
PAISLEY	9 9	32	14.0	8.9	11.5	+1.4	17.1	14	4.4	11	10.9	12.1	179	153	35	30	23	17	0	0	0	0	0	0	0	0	-	1	2.49	102	-
PRESTWICK	21-9	16	14.7	8.8	11.7	-	19.0	18	3.5	11	-	-	163	168	36	30	20	15	0	0	0	0	1	0	0	1	0	1	2.90	-	-
RHUVAAL	21-9	20	13.4	9.7	11.5	-	17.4	18	5.7	5	-	-	159	106	28	11	25	19	0	0	0	0	2	0	0	0	0	3	-	-	-
ROTHESAY	9 9	43	13.5	9.2	11.3	-	16.5	15	4.0	3	11.0	11.2	193	129	36	5	25	20	0	0	0	0	0	0	0	2	-	0	-	-	-
SLOY	21-9	12	13.2	9.0	11.1	-	16.0	19	3.0	11	-	-	319	-	41	30	26	24	0	-	0	0	0	0	0	-	-	-	-	-	-
STRONACHULLIN	9 9	2	14.0	9.2	11.6	-	17.1	16	4.2	11	-	-	244	-	41	7	28	24	0	0	0	0	0	0	0	0	-	0	-	-	-
TIREE	21-9	9	13.1	10.0	11.5	+1.0	15.3	15	4.9	10	-	-	152	115	35	11	26	20	0	0	0	4	0	0	0	1	0	4	2.14	85	-
CENTRAL																															
ARROCHYMORE	9 9	30	13.7	8.3	11.0	-	16.8	19,21	2.1	11	-	-	193	-	33	5	25	20	-	0	-	-	-	0	0	3	-	-	2.13	-	-
CALLANDER	9 9	107	13.3	6.9	10.1	-	16.5	15	0.4	3	-	-	196	120	37	30	23	20	0	0	0	0	7	0	0	4	-	1	-	-	-
EARLS HILL	21-9	335	10.9	6.5	8.7	-	14.1	19	2.0	3	-	-	225	-	41	30	26	18	0	-	0	0	6	0	3	0	6	2.15	-	-
FALKIRK	9 9	3	14.1	8.2	11.1	-	17.8	19	2.7	3	-	-	135	-	41	30	19	14	0	0	0	0	3	0	-	-	0	2.55	-	-
GRANGEMOUTH	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PARKHEAD	9 9	107	13.9	7.7	10.8	-	16.6	21	3.0	3	10.7	-	150	-	39	30	17	15	-	0	-	-	-	2	0	-	-	-	-	-	-
STIRLING(BATTERFLATS)	9 9	38	13.9	7.4	10.7	-	17.3	22	0.6	3	11.2	11.7	162	-	39	30	20	14	0	0	0	0	4	0	5	-	0	2.52	-	-
DUMFRIES & GALLOWAY																															
BARGRENNAN	9 9	110	13.8	7.0	10.4	-	18.6	18	-0.2	11	-	-	275	171	56	30	21	19	0	0	0	0	2	1	5	-	0	-	-	-	-
CLATTERINGSHAWS	9 9	178	12.8	7.1	9.9	-	16.5	15,18	1.0	11	-	-	319	156	64	30	23	20	0	0	2	0	0	0	-	-	9	1.95	-	-
DUMFRIES	9 9	49	14.6	8.0	11.3	+1.6	19.1	15	1.5	28	11.5	11.8	248	234	93	30	21	19	0	0	0	0	3	0	3	-	1	3.43	123	-
DUNDEUGH	9 9	119	13.6	(6.8)	(10.2)	-	17.6	18	-0.4	11	10.6	-	284	192	76	30	23	19	0	0	0	0	0	1	-	-	0	-	-	-	-
ESKDALEMUIR	21-9	242																													
PSYCHROMETER			13.0	6.4	9.7	-	19.0	15	-0.5	11	10.9	11.2	275	191	95	30	24	22	0	0	0	0	1	0	1	7	3	1	2.71	108	-
SCREEN			13.4	6.5	9.9	+1.6	19.4	15	-0.3	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
GIRDSTINGWOOD	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.15	-	-
GLENLEE	9 9	55	14.0	7.2	10.6	+1.3	17.4	15	0.8	11	-	-	275	174	71	30	24	21	-	0	-	-	-	1	0	7	-	-	-	-	-
GLENLOCHAR BARRAGE	9 9	47	14.1	8.0	11.1	-	18.3	15	2.3	11	-	-	249	199	64	30	21	20	0	0	0	0	0	0	0	-	-	3	-	-	-
PALNURE	9 9	15	14.2	8.6	11.4	-	17.9	18	2.3	5	-	-	224	166	49	5	19	18	0	0	1	0	0	2	0	3	-	0	-	-	-
PENWHIRN	9 9	166	12.6	7.7	10.1	-	15.5	18	1.5	11	-	-	232	156	50	30	21	19	-	-	-	-	-	0	0	1	-	-	2.32	-	-
THREAVE	9 9	73	14.2	8.2	11.2	-	19.4	15	2.5	11	11.4	-	248	195	67	30	20	19	0	0	0	0	2	0	0	5	-	0	-	-	-
2 ENGLAND E & NE																															
NORTHUMBERLAND																															
BOULMER	21-9	23	13.5	7.8	10.7	-	17.4	22	2.4	5	10.8	11.3	37	-	11	6	13	11	0	0	0	0	1	2	0	4	0	0	2.81	-	-
COCKLE PARK	9 9	99	13.6	7.5	10.5	-	17.5	22	2.9	8	10.3	-	48	-	19	6	13	9	0	0	0	0	1	2	0	5	-	0	(2.64)	-	-
HAYDON BRIDGE	9 9	79	14.8	7.6	11.2	-	19.6	19	1.8	8	11.1	11.9	43	67	13	3	14	7	0	0	0	0	0	5	0	-	-	0	-	-	-
KIELDER CASTLE	9 9	201	13.2	6.0	9.6	+1.5	17.4	19	-1.4	3	10.8	-	160	147	50	30	23	16	0	0	0	0	3	1	-	-	-	4	-	-	-
LETHAMHILL FARM	9 9	76	13.9	6.8	10.3	-	17.3	22	1.4	3.8	-	-	49	-	10	3	14	10	-	-	-	-	-	-	0	5	-	-	-	-	-
REDESDALE	9 9	238	12.6	6.2	9.4	-	16.2	19	1.0	11	9.7	-	65	-	11	3	20	11	-	0	-	-	-	8	0	-	-	-	3.02	-	-
SEAHOUSES	21-9	11	13.8	8.7	11.3	-	16.8	22	3.8	3	-	-	42	77	12	3	14	10	0	0	0	0	0	2	0	1	0	0	3.02	-	-
STONEHAUGH	9 9	201	13.3	5.8	9.5	-	17.8	19	-1.0	14	-	-	65	-	19	3	19	12	0	0	0	0	0	5	3	4	1	0	-	-	-
TYNE & WEAR																															
CHOPWELLWOOD	9 9	136	13.8	(7.9)	(10.9)	(+1.3)	16.5	22,25	2.5	3	-	-	52	93	17	6	14	10	0	0	0	0	0	1	(0)	(1)	-	0	-	-	-
NEWCASTLE WEATHER CENTRE (X)	21-9	75	13.9	9.1	11.5	-	17.2	22	4.7	8,11	-	-	55	-	16	3	14	10	0	0	0	0	0	4	0	-	0	0	2.93	-	-
TYNEMOUTH	21-9	29	13.7	9.2	11.5	+0.8	17.0	22	4.9	3	-	-	45	91	13	3	13	9	0	0	0	0	1	2	0	0	-	2	2.78	93	-
WASHINGTON	9 9	27	14.2	8.2	11.2	-	17.2	22	3.6	11	11.3	11.8	38	-	10	3	12	8	0	0	0	0	0	7	0	-	-	0	2.87	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — OCTOBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM	DATE	LOWEST MINIMUM	DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
2 ENGLAND E & NE -CONTINUED																															
DURHAM																															
DURHAM	9 9	102	13.5	7.7	10.6	+0.8	15.4	21	3.0	11	10.9	11.7	41	78	11	3	13	10	-	0	-	-	-	9	0	1	-	-	2.26	74	-
LOW ETHERLEY	9 9	155	12.6	6.9	9.7	-	16.1	22	2.2	14	10.4	10.7	59	-	15	6	13	9	0	0	0	0	11	0	6	0	1	-	-	-	-
WIDDYBANK FELL	9 9	513	11.0	5.8	8.4	-	15.6	21	1.2	11	8.6	-	132	-	27	30	26	17	-	0	-	-	-	7	0	4	-	-	2.56	-	-
CLEVELAND																															
HARTBURN GRANGE ...	9 9	31	14.4	7.3	10.9	-	17.5	22	0.8	3	-	-	46	100	12	3	13	9	0	0	0	0	0	5	0	7	-	2	2.53	-	-
HARTLEPOOL	9 9	9	14.6	9.1	11.9	+1.2	17.8	22	4.4	11	-	-	40	80	12	3	14	8	0	0	0	0	0	2	0	-	-	2	2.84	-	-
NORTH YORKSHIRE																															
ASKHAM BRYAN	9 9	34	14.2	7.2	10.7	-	17.1	22	1.9	3	-	-	55	110	23	19	15	9	0	0	0	0	0	10	0	6	-	0	2.76	99	-
CAWOOD	9 9	6	14.1	7.5	10.8	-	17.0	22	2.0	3	11.5	12.3	51	108	18	19	11	10	0	0	0	0	0	9	0	5	-	0	2.72	-	-
HIGH MOWTHORPE ...	9 9	175	13.1	7.7	10.4	-	16.3	22	2.4	3	11.0	-	36	58	8	3	13	9	0	0	0	0	0	6	0	4	-	0	3.25	-	-
LEEMING	21-9	32	13.9	8.4	11.1	-	17.7	22	1.8	14	11.0	12.0	58	111	17	3	14	9	0	0	0	0	0	7	0	4	0	0	2.44	-	-
MALHAM TARN	9 9	395	11.5	6.2	8.9	+1.0	14.5	22	2.0	3	10.2	-	120	83	22	3	21	18	0	0	0	0	0	4	0	1	-	0	-	-	-
PICKERING	9 9	44	14.2	6.7	10.5	-	17.2	22	-0.6	28	-	-	49	89	18	3	15	8	0	0	0	0	0	2	2	9	-	0	-	-	-
SCARBOROUGH	9 9	53	14.2	8.7	11.5	-	17.4	22	4.6	3	11.4	12.2	37	69	23	3	11	5	0	0	0	0	0	5	0	1	0	2	3.34	102	-
SILPHO MOOR	9 9	203	13.0	7.2	10.1	-	16.6	20	2.8	28	10.3	-	44	60	13	3	16	7	0	0	0	0	0	6	0	4	-	0	3.17	-	-
SNAITEHOLME	9 9	290	12.4	6.7	9.5	-	16.7	18	1.2	11	10.1	-	166	-	31	3	22	18	0	0	0	0	0	3	0	3	-	0	2.37	-	S
WHITBY	9 9	41	14.5	8.4	11.5	-	17.9	20	3.0	8	-	-	45	-	24	3	10	9	0	0	0	0	0	1	0	3	-	2	3.87	-	-
WHITBY(COASTGUARD) ...	21-9	60	14.2	8.5	11.3	-	17.2	20	4.1	11	-	-	45	-	23	3	11	9	0	0	0	0	0	4	0	0	0	4	-	-	-
YORK(HESLINGTON) ...	0 9	20	14.5	7.9	11.2	-	17.2	22	2.7	11	11.6	12.3	40	85	9	19	13	9	0	0	0	0	0	5	0	2	-	0	2.86	-	-
HUMBERSIDE																															
BRIDLINGTON	9 9	48	13.7	7.9	10.8	-	16.8	22	2.9	3.11	-	-	18	31	4	3	10	6	0	0	0	0	0	8	0	7	-	3	3.19	-	-
BRIGG	9 9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLEETHORPES	9 9	6	14.9	8.7	11.8	+0.9	19.2	20	4.2	11	-	-	14	31	5	21	9	6	-	0	-	-	-	4	0	-	-	-	3.16	95	-
HULL	9 9	2	15.1	8.7	11.9	+0.9	18.2	20	4.1	3	11.9	13.1	20	42	4	24	12	8	0	0	0	0	1	0	0	-	-	0	3.65	119	-
LINCOLNSHIRE																															
BINBROOK	21-9	108	14.1	8.1	11.1	-	17.9	20	3.1	11	-	-	30	55	7	8	13	9	0	0	0	0	0	5	0	2	0	0	3.79	-	-
CAISTOR	9 9	55	15.0	7.8	11.4	-	18.5	20	0.7	3	-	-	28	-	5	21	14	9	-	-	-	-	-	-	0	-	-	-	-	-	-
CRANWELL	9 9	62	14.7	7.4	11.1	+0.7	17.6	20	2.9	11	11.7	12.7	23	51	6	21	12	8	0	0	0	0	1	6	0	1	0	0	3.15	95	-
KIRTON	9 9	4	15.1	7.5	11.3	-	19.5	20	1.6	11	11.8	12.4	14	-	7	21	10	5	0	0	0	0	0	4	0	4	-	0	3.43	-	-
LINCOLN	9 9	7	15.1	8.1	11.6	+1.3	18.4	19	0.9	3	12.3	12.6	24	-	4	21	13	6	0	0	0	0	1	6	0	4	-	0	3.52	-	-
SKEGNESS	9 9	5	-	-	-	-	-	-	-	-	-	-	20	42	5	20	9	6	0	0	0	0	2	-	0	0	-	0	3.99	118	-
SUTTON BRIDGE	9 9	4	15.9	7.8	11.9	-	19.9	20	1.7	11	-	-	21	48	8	20	10	5	0	0	0	0	-	0	0	4	-	1	-	-	-
WADDINGTON	21-9	68	14.8	8.3	11.5	+1.0	18.0	19	3.4	11	-	-	20	43	5	21	12	6	0	0	0	0	3	5	0	1	0	0	3.55	108	-
3 EAST ANGLIA																															
NORFOLK																															
COLTISHALL	21-9	17	16.1	8.0	12.1	-	19.9	19	1.0	11	-	-	28	49	5	31	17	7	0	0	0	1	2	2	0	5	0	0	-	-	-
CROMER	9 9	54	15.8	9.1	12.5	+1.2	20.2	19	4.4	11	-	-	23	40	5	31	14	8	0	-	0	0	0	2	0	0	-	0	4.88	138	-
GORLESTON	9 9	4	15.5	9.7	12.6	+0.9	17.7	9	3.4	3	12.5	13.6	14	23	4	31	9	6	0	0	0	0	0	5	0	-	-	1	4.71	128	-
MARHAM	21-9	23	16.2	8.0	12.1	-	20.4	20	1.5	3.11	-	-	19	-	7	31	14	6	0	0	0	0	2	3	0	3	1	0	4.24	-	-
MORLEY ST BOTOLPH ...	9 9	48	15.8	7.6	11.7	-	19.8	19	1.7	11	11.8	-	15	-	3	31	12	4	0	0	0	0	1	3	0	3	-	0	4.43	-	-
SANTON DOWNHAM ...	9 9	24	16.3	6.3	11.3	-	20.1	19.20	-3.0	11	11.6	12.2	29	53	12	21	15	10	-	0	-	-	-	3	4	11	-	-	4.04	-	-
SCOLE	9 9	27	16.3	7.7	12.0	-	20.1	20	0.3	11	11.6	12.6	25	-	6	21	15	6	0	0	0	0	1	3	0	1	-	0	4.70	-	-
TERRINGTON ST CLEMENT	9 9	3	16.0	7.8	11.9	+1.2	20.3	20	1.1	11	11.8	-	17	37	7	20	12	4	0	0	0	0	0	3	0	4	-	0	3.71	110	-
CAMBRIDGESHIRE																															
BOXWORTH	9 9	53	15.8	8.2	12.0	-	19.5	20	4.0	11	-	-	30	65	10	20	15	5	0	0	0	0	1	4	0	0	-	0	3.77	-	-
CAMBRIDGE BOTANIC GARDEN ...	9 9	12	16.7	8.0	12.3	+1.4	20.4	20	1.0	11	12.1	13.1	26	55	9	20	11	5	0	0	0	0	0	2	0	4	-	0	-	-	-
NATIONAL INSTITUTE OF AGRICULTURAL BOTANY	9 9	26	16.2	8.0	12.1	-	19.7	20	3.0	11	-	-	21	44	9	20	10	4	0	0	0	0	0	3	0	0	-	0	3.87	110	-
MARCH	9 9	2	(16.3)	(8.0)	(12.1)	-	(20.4)	20	(2.3)	11	-	-	25	57	8	20	13	7	-	0	-	-	-	-	0	-	-	-	-	-	-
MEPAL	9 9	-2	16.3	7.3	11.8	-	20.1	20	1.2	11	12.2	12.7	28	-	13	20	14	7	0	0	0	0	0	3	0	2	-	0	3.70	-	-
WITTERING	9 9	73	15.0	8.0	11.5	-	18.9	20	2.4	11	-	-	20	-	9	21	11	4	0	0	0	0	0	8	0	3	0	0	3.06	-	-
WYTON	21-9	40	15.8	8.9	12.3	-	19.7	20	4.5	11	-	-	26	60	9	21	11	7	0	0	0	0	2	4	0	0	0	0	-	-	-
SUFFOLK																															
ALDEBURGH	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.71	-	-
BROOMS BARN	9 9	75	16.0	8.6	12.3	-	20.2	19	4.4	11	11.8	12.7	13	25	3	9	11	4	0	0	0	0	0	5	0	0	-	0	4.62	-	-
EAST BERGHOLT	9 9	4	(16.1)	(7.1)	(11.6)	-	(19.5)	19	(-0.3)	11	-	-	14	27	4	21	7	5	-	-	-	-	-	-	1	(5)	-	-	-	-	-
HAUGHLEY	9 9	58	15.9	8.1	12.0	-	19.5	19	1.6	11	12.1	-	13	-	4	31	17	3	0	0	0	0	0	4	0	8	-	0	-	-	-
HONINGTON	21-9	50	16.1	8.5	12.3	-	20.0	19	2.0	11	-	-	14	29	2	31	13	6	0	0	1	0	1	3	0	4	0	0	4.25	-	-
LOWESTOFT	9 9	25	15.4	9.5	12.5	+1.0	17.3	9	3.7	11	12.3	12.9	12	20	3	4.31	8	4	0	0	0	0	0	1	0	0	0	1	4.03	110	S
WATTISHAM	21-9	89	15.5	8.4	11.9	-	19.3	20	2.1	3	-	-	16	30	5	31	12	4	-	0	-	-	-	4	0	4	0	-	4.56	-	-
BEDFORDSHIRE																															
CARDINGTON	21-9	29	16.2	7.5	11.9	-	19.9	20	-0.3	11	12.2	12.9	22	49	8	21	12	6	0	0	0	0	1	5	1	6	1	0	3.65	-	-
LUTON	9 9	159	14.6	8.3	11.5	-	18.3	20	3.5	11	12.3	13.0	42	69	11	20	17	11	-	0	-	-	-	8	0	-	-	-	3.59	-	-
SILSOE	9 9	61	15.7	7.5	11.6	+1.1	19.2	20	0.8	11	11.4	12.8	25	52	7	21	10	7	0	0	0	0	1	8	0	4	0	-	3.71	109	-
WOBURN	9 9	89	15.5	7.5	11.5	+1.2	19.3	20	1.4	11	12.1	12.7	28	53	10	21	10	8	0	0	0	0	0	2	0	6	-	0	3.45	105	-
HERTFORDSHIRE																															
ALDENHAM SCHOOL ...	9 9	91	16.0	8.0	12.0	-	18.6	20	2.6	11.13	12.4	-	54	85	26	20	13	10	0	0	0	0	1	5	0	3	0	0	-	-	-
GARSTON	9 9	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HODDESDON	9 9	43	(16.2)	8.3	(12.3)	-	18.9	20	1.5	11	13.2	-	36	61	11	20	14	7	0	0	0	0	1	-	0	1	-	2	3.79	-	-
ROTHAMSTED	9 9	128	15.2	7.9	11.5	+1.2	18.7	20	2.9	11	12.3	12.6	49	77	14	20	17	12	0	0	0	0	1	6	0	1	-	0	3.42	108	-
ST ALBANS	9 9	83	15.4	7.8	11.6	+1.1	18.8	20	1.2	11	12.2	-	61	107	39	20	14	11	0	0	0	0	1	9	0	7	-	0	3.47	-	S
STANSTEAD ABBOTTS ...	9 9	30	16.6	7.8	12.2	-	19.0	19	0.5	11	12.5	13.3	31	57	10	20	12	6	-	0	-	-	-	6	0	-	-	-	-	-	-
ESSEX																															
CLACTON-ON-SEA	9 9	16	15.6	10.3	12.9	+1.1	18.0	4	4.7	3	13.5	13.8	17	32	7	21	11	5	0	0	0	0	0	0	0	0	-	0	5.05	134	-
HALSTEAD	9 9	70	15.8	8.3	12.1	-	19.9	19	2.5	11	11.9	12.8	16	-	3	21	15	8	0	0	0	0	0	4	0	3	-	0	-	-	-
HARLOW	9 9	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITTLE PARNDON	9 9	54	16.5	8.4	12.5	-	21.3	20	2.0	11	-	-	26	49	11	21	9	7	0	0	0	0	0	3	0	-	-	0	-	-	-
MALDON	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOEBURYNESS	21-9	2	16.1	10.0	13.1	+1.3	19.3	19	3.0	11	-	-	15	30	4	21	10	7	0	0	0	0	0	2	0	2	0	0	4.32	118	-
STANFORD-LE-HOPE ...	9 9	6	16.0	7.6	11.8	-	19.5	19	2.0	11	-	-	17	-	5	21	11	5	0	-	0	0	0	6	0	-	-	0	4.19	-	-
STANSTED	21-9	101	15.7	8.2	11.9	-	18.7	19	3.0	11	-	-	30	53	9	20	16	7	0	0	0	0	1	5	0	4	0	0	-	-	-
WRITTLE	9 9	32	16.2	7.3	11.7	+1.0	19.2	16	0.0	11	12.3	-	27	54	7	8	12	8	0	0	0	0	1	4	0	7	-	0	3.63	106	S

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

OCTOBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)											BRIGHT SUNSHINE		
			MEANS OF				HIGHEST MAXIMUM		LOWEST MINIMUM																					
			MAX. (A)	MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	MAX.	DATE	MIN.	DATE	30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
4 MIDLAND COUNTIES																														
WEST YORKSHIRE																														
BRADFORD	9 9	134	13.2	7.9	10.5	+0.6	16.9	22	3.4	3	11.0	12.2	53	74	10	3	20	13	0	0	1	0	0	8	0	1	-	0	2.43	93	S
BRAMHAM	9 9	54	13.9	7.4	10.7	-	17.0	22	2.2	14	-	-	52	99	8	23	18	11	0	0	0	0	0	9	0	1	-	0	-	-	-
HUDDERSFIELD																														
OAKES	21-9	232	13.1	7.6	10.3	+0.5	16.8	22	3.1	5	10.1	10.1	67	79	14	31	23	14	0	0	0	0	1	8	0	5	0	2	-	-	-
RAVENSKNOWLE	9 9	99	13.8	8.3	11.1	+0.9	18.1	22	3.0	11	11.7	12.4	47	71	11	31	17	14	0	0	0	0	1	8	0	-	-	1	-	-	-
ILKLEY	9 9	83	13.4	7.0	10.2	+0.3	16.0	22	1.0	3	-	-	69	85	19	3	19	13	0	0	0	0	0	10	0	0	-	0	2.52	90	-
TODMORDEN	9 9	160	13.0	7.9	10.5	-	16.7	21	2.1	11	-	-	115	-	22	3	19	17	0	0	0	0	0	6	0	-	-	0	-	-	-
PONTEFRACT	9 9	78	13.9	7.8	10.9	+0.6	16.9	22	4.2	11.28	-	-	(40)	(84)	9	19	(16)	(11)	0	0	0	0	1	10	0	-	-	0	-	-	-
WILSDEN	9 9	262	12.5	7.1	9.8	-	16.6	19	3.3	11	-	-	74	-	13	3	20	13	0	0	0	0	0	7	0	2	0	0	-	-	-
SOUTH YORKSHIRE																														
FINNINGLEY	21-9	10	14.7	7.6	11.1	-	17.6	22	1.9	11	-	-	24	54	4	21	13	8	0	0	0	0	1	7	0	8	0	0	2.97	-	-
SHEFFIELD																														
DORE	9 9	206	13.3	7.7	10.5	-	16.2	25	3.3	28	-	-	54	-	10	8	18	13	0	0	1	0	1	8	0	4	-	2	-	-	-
WESTON PARK	9 9	131	13.9	8.3	11.1	+0.4	17.0	22	3.9	11	11.7	12.7	45	70	8	3	17	11	0	0	0	0	1	-	0	-	-	0	2.82	104	-
DERBYSHIRE																														
ASHOVER	9 9	178	13.3	7.6	10.5	-	16.2	20.22	1.8	11	-	-	59	-	9	30	17	13	0	0	1	0	0	8	0	4	-	1	2.62	-	-
BUXTON	9 9	307	12.4	6.8	9.6	+0.9	15.4	21	1.0	11	10.4	12.9	87	78	17	1	19	16	0	0	0	1	0	10	0	1	-	0	-	-	S
DERBY	9 9	48	14.8	8.2	11.5	-	18.1	20	2.3	11	-	-	46	86	5	9	17	15	0	0	0	0	0	7	0	1	-	0	2.46	-	S
MORLEY	9 9	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WINGERWORTH	9 9	126	13.9	6.9	10.4	-	16.7	22	-0.5	11	11.5	-	48	-	9	30	21	10	0	0	0	1	1	8	1	9	-	0	2.66	-	S
NOTTINGHAMSHIRE																														
MANSFIELD	9 9	114	13.7	8.2	10.9	+0.8	17.0	20	4.0	8	-	-	32	-	7	19	16	11	0	0	0	0	0	6	0	1	-	0	-	-	-
NEWTHORPE	9 9	58	(14.4)	(7.0)	(10.7)	-	17.6	20	0.6	11	-	-	54	-	12	19	15	14	-	-	-	-	-	-	0	-	-	-	-	-	-
NOTTINGHAM	9 9	59	14.7	8.5	11.6	+0.9	18.0	22	4.0	28	11.5	12.7	32	66	6	21	13	12	0	0	0	1	0	5	0	0	-	0	2.86	106	-
SUTTON BONINGTON ...	9 9	48	(14.9)	(7.7)	(11.3)	(+1.0)	18.2	20	1.1	28	(11.7)	(12.5)	29	58	5	19	(13)	(10)	0	0	0	0	0	6	0	8	1	0	(3.12)	(107)	-
WARSOP	9 9	46	14.3	7.0	10.7	-	16.9	20	1.2	26.28	-	-	31	64	5	8	16	10	0	0	0	0	0	8	0	9	-	0	3.12	-	-
WATNALL	21-9	117	14.1	8.2	11.1	+0.8	17.9	22	2.9	28	-	-	45	81	11	19	16	13	0	0	0	0	0	8	0	4	0	0	2.62	96	-
STAFFORDSHIRE																														
KEELE	9 9	179	13.4	7.7	10.5	-	16.6	19	2.6	28	10.8	11.6	51	74	9	8	20	16	0	0	0	2	0	9	0	2	0	0	2.40	-	-
OAKEN	9 9	125	14.2	7.6	10.9	+1.2	17.6	19	2.6	28	11.8	-	42	71	8	6	15	11	0	0	0	0	0	6	0	0	-	0	-	-	S
PENKRIDGE	9 9	101	14.2	7.3	10.7	-	18.1	19	2.3	11.28	-	-	39	69	6	8	16	11	0	0	0	0	0	5	0	1	-	1	-	-	S
STONE	9 9	107	14.0	7.5	10.7	-	17.3	19	1.0	28	-	-	38	61	8	30	16	11	0	0	0	0	0	7	0	4	-	0	2.54	-	-
LEICESTERSHIRE																														
CALDECOTT	9 9	52	15.0	7.4	11.2	-	18.5	20	-1.0	11	-	-	21	46	8	21	11	6	0	0	0	1	0	8	1	6	-	0	2.94	-	-
NEWTOWN LINFORD ...	9 9	119	14.5	7.1	10.8	-	17.3	20	0.9	11	-	-	29	52	4	4	15	11	0	0	0	0	0	5	0	8	-	0	3.13	-	-
SALOP																														
HAMPTON LOADE	9 9	64	14.6	7.8	11.2	-	18.0	19	2.5	11	-	-	32	-	7	3	13	11	-	-	-	-	-	-	0	-	-	-	2.88	-	-
NEWPORT	9 9	64	14.6	8.0	11.3	+1.4	17.5	19	0.7	28	-	-	33	58	11	30	13	12	0	0	0	0	0	6	0	3	-	0	2.93	108	S
OSWESTRY	9 9	174	13.5	7.9	10.7	+0.6	18.0	19	3.2	28	-	-	65	82	15	30	19	13	0	0	0	0	0	8	0	1	-	0	2.52	87	S
PRESTON MONTFORD ...	9 9	67	14.8	8.0	11.4	-	19.5	19	1.2	28	12.5	12.7	33	-	9	30	16	8	0	0	0	0	0	4	0	-	-	0	3.25	-	-
SHAWBURY	21-9	72	14.5	8.0	11.3	+1.1	18.3	19	-0.5	28	-	-	33	59	7	30	16	8	0	0	1	0	0	5	1	5	1	0	2.71	95	-
SHREWSBURY	9 9	56	14.7	8.5	11.6	+1.1	18.6	19	2.0	28	12.4	13.3	31	59	11	30	15	9	0	0	0	0	0	3	0	1	-	0	2.98	105	-
WEST MIDLANDS																														
BIRMINGHAM																														
EDGBASTON	21-9	163	14.0	8.9	11.5	+0.8	17.4	19	5.2	11.28	11.3	11.8	39	63	8	6	15	10	0	0	0	0	0	6	0	1	0	0	2.96	105	-
ELMDON AIRPORT ...	21-9	96	14.6	7.7	11.1	+0.9	17.6	20	1.6	11	-	-	37	-	9	8	12	9	0	0	0	0	0	5	0	3	0	0	3.13	105	-
KING EDWARD SCHOOL ...	9 9	137	14.0	8.2	11.1	-	16.6	19.20	4.2	11	-	-	45	74	8	6	16	13	-	0	-	-	-	7	0	-	-	-	-	-	-
COVENTRY AIRPORT ...	9 9	81	14.6	7.1	10.9	-	17.5	22	-0.2	11	11.8	-	31	-	5	8	18	10	0	0	0	0	0	4	1	-	-	0	2.76	-	-
WARWICKSHIRE																														
LONG LAWFORD	9 9	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LUDDINGTON	9 9	56	15.1	7.9	11.5	-	17.9	22	2.1	11	-	-	33	-	7	19	16	8	0	0	0	0	0	6	0	0	-	0	3.19	-	-
MORETON MORRELL ...	9 9	85	15.0	8.0	11.5	-	17.7	22	1.9	13	-	-	35	67	5	30	17	10	0	0	0	0	0	4	0	2	-	1	3.01	-	-
RUGBY	9 9	117	14.9	7.6	11.3	+1.0	18.0	20	2.1	11	11.9	12.7	35	63	6	8	16	11	0	0	0	0	0	4	0	-	0	0	-	-	-
SHIPSTON-ON-STOUR ...	9 9	111	14.9	7.7	11.3	+0.8	18.0	21	2.8	11	11.8	-	36	64	7	6	18	9	0	0	1	0	0	6	0	8	-	2	2.99	93	-
STRATFORD-UPON-AVON ...	9 9	49	15.2	7.5	11.3	+0.9	17.7	21.22	0.8	11	(12.6)	-	36	68	7	6	16	10	-	0	-	-	-	3	0	3	-	-	(2.71)	(90)	-
WELLESBOURNE	9 9	47	15.2	8.0	11.6	-	18.1	20	2.0	28	11.9	12.5	33	66	6	19	15	9	-	0	-	-	-	4	0	0	4	-	3.33	-	-
NORTHAMPTONSHIRE																														
BUGBROOKE MILLS ...	9 9	69	-	-	-	-	-	-	-	-	12.2	-	16	30	5	6	11	6	0	0	0	0	0	2	-	-	-	0	-	-	-
MOULTON PARK	9 9	122	14.6	8.0	11.3	-	18.4	20	3.3	11	11.5	12.2	22	-	4	21	14	7	0	0	0	0	1	6	0	5	-	0	2.86	-	-
RAUNDS	9 9	59	15.5	7.6	11.5	+1.2	19.0	20	1.4	11	12.3	12.9	27	57	11	21	17	5	0	0	0	0	1	6	0	4	-	0	3.02	96	S
HEREFORD & WORCESTER																														
ASTWOOD BANK	9 9	139	14.4	7.8	11.1	-	17.7	20	3.5	28	-	-	31	-	7	6	17	10	0	0	0	0	0	7	0	2	-	0	-	-	-
HEREFORD	9 9	52	15.0	7.6	11.3	-	18.9	19.21	0.5	28	12.3	13.5	33	57	13	30	16	8	0	0	0	0	0	4	0	(5)	-	0	2.81	-	-
LYONSHALL	9 9	155	13.7	7.5	10.6	+0.6	17.0	19	2.0	11.28	-	-	56	73	15	30	17	12	-	0	-	-	-	-	0	4	-	-	-	-	-
MALVERN	9 9	62	14.9	8.4	11.7	-	18.4	21	3.4	11	12.1	12.9	50	80	9	7	20	12	0	0	0	0	0	6	0	-	-	0	2.70	85	S
PERSHORE																														
COLLEGE OF HORT. ...	9 9	40	15.5	8.6	12.1	-	18.8	19	3.1	11	-	-	29	55	5	8	16	10	0	0	0	1	0	5	0	2	-	1	3.33	-	-
ROYAL RADAR EST. ...	21-9	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRESTON WYNNE	9 9	84	14.4	6.9	10.7	-	18.5	19	0.3	28	-	-	53	92	12	6	22	15	0	0	0	0	0	6	0	8	-	0	2.50	-	-
GLOUCESTERSHIRE																														
CHELTENHAM	9 9	65	15.6	7.8	11.7	+0.7	18.1	19.21	1.5	28	-	-	41	77	13	30	17	11	0	0	0	0	0	0	0	-	-	0	3.48	107	-
INNSWORTH	21-9	21	15.5	8.7	12.1	-	19.0	21	2.2	28	-	-	40	-	13	7	16	11	0	0	0	0	1	2	0	3	0	0	3.51	-	-
OXFORDSHIRE																														
BENSON	21-9	67	15.6	9.0	12.3	-	18.0	20.22	3.9	11.28	-	-	44	-	11	8	14	10	0	0	0	0	0	4	0	3	-	0	3.57	-	-
BRIZE NORTON	21-9	81	14.9	8.0	11.5	-	17.4	20	1.5	11	-	-	39	-	7	21	16	10	0	0	0	0	0	7	0	4	0	0	3.04	-	-
LETCOMBE REGIS	9 9	107	15.1	8.6	11.9	-	18.0	22	3.9	11	12.7	-	47	73	9	8.30	16	13	0	0	1	0	0	5	0	4	-	0	-	-	-
OXFORD	9 9	63	15.4	8.3	11.9	+1.0	17.9	20	4.5	8	12.2	13.0	33	57	8	8	17	11	0	0	0	0	0	5	0	4	-	0	3.46	106	-
SHIRBURN(MODEL FARM) ...	9 9	108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WALLINGFORD	9 9	48	15.4	7.9	11.7	-	18.0	20	1.8	11	12.5	13.0	43	80	13	8	14	10	0	0	0	0	0	3	0	8	-	0	3.25	-	-
BUCKINGHAMSHIRE																														
AYLESBURY	9 9	96	15.4	8.4	11.9	+1.4	18.3	20.21	3.5	11	-	-	36	64	7	8	11	9	0	0	0	0	0	5	0	0	-	0	4.04	127	S
GRENDON UNDERWOOD ...	9 9	67	15.5	6.5	11.0	-	19.0	20	-0.5	11	12.3	12.8	31	54	7	6	14	8	0	0	0	0	0	8	1	6	-	0	3.35	-	-
MEDMENHAM	9 9	30	15.5	6.8	11.1	-	18.2	20	0.8	11	-	-	49	75	11	8	13	11	-	-	-	-	-	-	0	3	-	-	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — OCTOBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM	HIGHEST MAXIMUM DATE	LOWEST MINIMUM	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE: 50 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
5 ENGLAND SE & CENTRAL S.																															
GREATER LONDON																															
BROMLEY	9 9	65	(16.4)	9.4	(12.9)	(+1.6)	19.5	16	5.0	11	-	-	(44)	(76)	12	20	(12)	(8)	-	0	-	-	-	-	-	0	-	-	-	-	-	-
ENFIELD	9 9	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GREENWICH	9 9	7	16.7	(8.8)	(12.7)	-	19.1	19,22,23	3.5	11	-	-	37	66	17	20	12	7	0	0	0	0	1	3	0	0	-	0	3.65	-	-	-
HAMPSTEAD	9 9	137	15.3	8.8	12.1	+1.2	18.3	20	5.2	3	-	-	50	83	17	21	12	8	0	0	0	0	0	4	0	0	2	-	0	3.60	107	S
HAMPTON	9 9	12	16.1	9.2	12.7	+1.1	19.0	20	3.9	11	-	-	55	104	29	20	13	8	0	0	1	0	2	3	0	1	-	0	4.04	123	-	-
HARROW WEALD	9 9	98	15.5	7.9	11.7	-	19.0	20	3.0	10	13.4	14.0	59	-	25	20	14	8	-	-	-	-	-	-	-	0	-	-	-	-	-	-
HEATHROW AIRPORT	21-9	25	16.3	9.2	12.7	+1.2	18.8	19	4.5	11	-	-	48	84	20	20	12	8	0	0	0	0	2	3	0	2	0	0	3.67	-	-	-
KENSINGTON PALACE	9 9	25	16.3	9.3	12.8	+0.9	20.1	20	4.4	11	13.2	13.8	37	67	14	20	14	8	0	0	0	0	0	2	0	1	-	0	-	-	-	-
KEW	21-9	6																														
PSYCHROMETER			16.0	7.5	11.7	-	18.8	19	0.6	11	12.4	12.8	54	103	31	20	13	8	0	0	0	0	2	3	0	10	0	0	4.10	125	-	-
NORTH WALL SCREEN			15.9	9.1	12.5	+0.9	18.5	19,20	3.3	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LONDON WEATHER CENTRE (X)	21-9	77	16.6	11.2	13.9	-	19.1	20	7.9	3	-	-	41	-	20	20	13	8	0	0	0	0	1	2	0	-	-	0	3.83	125	-	-
ST JAMES PARK	9 9	4	16.2	10.0	13.1	+1.0	18.9	20	5.3	11	-	-	49	90	23	20	14	8	-	0	-	-	-	2	0	0	-	-	-	-	-	-
SOUTHGATE	9 9	67	16.1	8.8	12.5	+1.2	19.0	20	3.9	11	12.6	-	43	72	22	20	11	6	0	0	0	0	0	5	0	-	-	0	3.85	130	-	-
WADDON	9 9	59	(16.4)	(9.0)	(12.7)	(+1.4)	19.5	16	4.5	11	-	-	42	68	11	20	13	8	-	-	-	-	-	-	0	-	-	-	-	-	-	-
WEALDSTONE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.55	-	-	-
WILTSHIRE																																
BOSCOMBE DOWN	21-9	126	15.1	8.2	11.7	+1.0	18.3	16	2.3	11	-	-	63	85	12	20	16	12	0	0	0	0	2	7	0	5	0	0	3.28	98	-	-
LACOCK	9 9	49	15.4	7.4	11.4	-	18.5	16	0.6	11	-	-	59	93	12	7	18	13	-	0	-	-	-	3	0	5	-	-	-	-	-	-
LARKHILL	9 0	132	15.5	8.1	11.8	+1.3	18.8	17	2.5	28	-	-	75	98	15	7	16	14	0	0	0	0	3	7	0	1	0	0	-	-	-	-
LYNEHAM	21-9	145	14.6	8.5	11.5	+1.0	18.1	16	4.2	28	-	-	60	94	14	7	19	13	0	0	0	0	2	5	0	4	0	0	3.37	-	-	-
PORTON	9 9	110	15.5	7.6	11.5	+1.0	18.7	16	2.6	28	11.9	-	53	69	12	20	16	12	-	0	-	-	-	5	0	5	0	0	3.36	98	-	-
TROWBRIDGE	9 9	37	15.6	7.7	11.7	-	18.6	18	1.3	28	12.7	-	55	-	17	7	16	11	0	0	1	0	4	4	0	5	-	0	-	-	-	-
UPAVON	21-9	179	14.6	8.4	11.5	-	18.0	16	3.6	28	-	-	67	88	10	7	16	14	0	0	1	0	2	7	0	3	0	0	-	-	-	-
BERKSHIRE																																
EASTHAMPSTEAD	9 9	77	15.4	7.3	11.3	-	18.1	19	0.2	11	12.2	12.5	38	-	8	6	13	11	0	0	0	0	2	6	0	4	0	0	3.44	-	-	-
HURLEY	9 9	43	15.4	7.4	11.4	-	17.8	20,22	1.4	11	12.0	-	45	70	9	20	15	11	0	0	0	0	0	7	0	4	-	1	2.85	-	-	-
LAMBOURN(WARREN FARM)	9 9	192	14.1	7.9	11.0	-	16.7	20	2.7	11	11.8	-	52	-	10	8	17	12	-	0	-	-	-	-	6	0	-	-	-	-	-	-
READING	9 9	66	15.4	8.3	11.9	-	17.9	21,22	2.3	11	12.5	12.9	45	-	18	8	16	10	0	0	0	0	2	6	0	7	1	1	3.45	-	-	-
SHINFIELD(N.I.R.O.)	9 9	62	15.4	7.9	11.7	-	17.9	22	2.4	11	-	-	41	-	17	8	15	10	0	0	0	1	2	8	0	3	-	0	3.08	-	-	-
SURREY																																
MERRIST WOOD	9 9	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MICKLEHAM	9 9	55	15.7	7.3	11.5	+1.0	18.1	19	0.7	11	12.5	13.1	72	104	29	20	14	10	0	0	0	0	0	6	0	3	-	0	-	-	-	-
WISLEY	9 9	35	16.4	8.2	12.3	+1.4	19.3	20	1.2	11	12.2	13.1	71	121	22	20	14	9	0	0	0	0	2	6	0	3	-	2	4.08	126	-	-
KENT																																
DOVER R.M.S.	9 9	123	15.3	9.5	12.4	-	18.0	17	5.9	11	-	-	28	31	8	5	14	6	0	0	0	0	0	4	0	-	-	0	-	-	-	-
DUNGENESS	9 9	3	15.9	11.1	13.5	-	17.7	21	3.0	11	-	-	25	35	5	21	14	7	0	0	0	0	0	0	0	-	-	0	-	-	-	-
EAST MALLING	9 9	32	16.3	7.7	12.0	+1.3	19.0	16	1.0	11	12.2	12.9	21	32	6	20	14	6	0	0	0	0	1	4	0	3	1	0	4.19	118	-	-
ELMSTONE	9 9	5	16.8	6.2	11.5	-	19.3	16,21	-0.9	11	-	-	14	20	5	31	9	5	0	0	0	0	0	3	1	3	-	0	-	-	-	-
FAVERSHAM	9 9	48	16.5	8.7	12.6	-	20.3	16	2.8	15	12.1	13.1	24	37	6	31	13	7	0	0	0	0	0	3	0	1	-	0	4.66	-	-	-
FOLKESTONE	9 9	31	15.6	8.5	12.1	-	17.8	6	1.2	11	-	13.4	22	29	5	31	13	5	0	0	0	0	0	0	0	3	-	1	4.51	111	-	-
GILLINGHAM	9 9	4	16.6	8.8	12.7	-	19.9	20	3.2	11	-	-	15	26	4	4	10	6	-	-	-	-	-	-	0	-	-	-	-	-	-	-
GOUDHURST	9 9	85	15.1	7.7	11.4	+0.9	17.6	20	1.0	11	-	-	30	36	8	20	14	9	0	0	0	0	1	7	0	2	-	0	-	-	-	-
HADLOW COLLEGE	9 9	30	16.1	6.5	11.3	-	18.5	20	0.0	11	12.3	13.5	17	-	4	20	11	8	0	0	0	0	0	6	0	4	-	1	(3.25)	-	-	-
HERNE BAY	9 9	31	16.3	8.6	12.5	-	19.0	19,21	3.0	11	13.0	-	14	-	4	31	12	3	0	0	0	0	0	0	0	0	-	0	4.36	116	-	-
MANSTON	21-9	44	16.0	9.5	12.7	-	18.7	21	4.1	26	-	-	11	16	3	6	9	5	0	0	0	0	0	0	0	0	0	0	4.62	-	-	-
MARGATE	9 9	16	16.0	11.0	13.5	+1.0	19.5	19	7.1	3	12.8	13.6	17	29	7	21	9	5	0	0	0	0	0	0	0	0	-	0	4.52	117	-	-
ULCOMBE	21-9	47	16.6	7.6	12.1	-	19.2	19	-0.1	11	-	-	25	-	7	8	13	7	0	0	0	0	1	3	1	4	0	0	4.12	-	-	-
WYE	9 9	56	16.2	7.7	11.9	+0.8	19.1	17	1.2	11	12.7	13.2	34	46	8	31	10	7	0	0	0	0	0	2	0	11	-	0	4.20	113	-	-
HAMPSHIRE																																
ALICE HOLT LODGE	9 9	115	15.1	7.5	11.3	+0.8	17.6	16	0.9	11	-	-	48	64	10	8	15	8	0	0	0	0	2	5	0	4	-	0	3.45	-	-	-
EVERTON	9 9	16	15.7	10.3	13.0	-	17.6	19	3.2	3	-	-	55	69	11	5	17	10	0	0	0	0	1	0	0	3)	-	1	4.11	-	-	-
HAYLING ISLAND	9 9	4	15.8	10.8	13.3	-	17.6	16	5.3	3	-	-	36	56	9	20	17	9	0	0	0	0	0	3	0	-	-	0	4.30	-	-	-
LECKFORD	9 9	117	15.2	8.4	11.8	+1.1	17.6	17	4.0	3,28	11.9	-	74	86	13	8	17	14	0	0	0	0	0	6	0	-	-	0	3.44	100	-	-
LONG SUTTON	9 9	145	15.2	8.3	11.7	-	17.2	16	3.5	28	12.4	12.9	58	73	11	8	18	11	0	0	0	0	0	5	0	0	0	0	3.62	111	-	-
MARTYR WORTHY	9 9	84	15.7	7.9	11.8	-	18.9	16	1.5	3	-	-	69	84	19	8	16	12	0	0	1	0	0	5	0	5	-	0	(3.55)	-	-	-
SOUTHAMPTON MAYFLOWER PARK	9 9	3	16.1	10.2	13.1	+1.2	19.0	17	4.6	11	13.9	15.1	51	-	14	8	14	7	0	0	0	0	0	3	0	2	0	0	3.83	104	S	
WEATHER CENTRE (X)	21-9	19	16.2	10.8	13.5	-	19.3	17	5.0	11	-	-	51	-	14	8	14	9	0	-	0	0	0	3	0	-	-	0	-	-	-	-
SOUTHSEA	9 9	2	16.1	11.3	13.7	+1.2	18.0	19	6.4	3	13.8	14.3	35	53	9	20	14	10	0	0	0	0	0	3	0	0	-	1	4.29	109	-	-
SPARSHOLT	9 9	113	15.3	(8.3)	(11.8)	-	19.0	16	4.2	28	-	-	87	-	19	5	17	16	0	0	0	0	1	9	0	3	-	0	(3.50)	-	-	-
ISLE OF WIGHT																																
RYDE	9 9	4	15.7	10.9	13.3	+1.0	18.2	19	5.8	11	-	-	48	63	12	20	14	10	0	0	0	0	0	1	0	-	-	1	4.10	105	-	-
ST CATHERINES POINT	9 9	16	15.5	12.1	13.8	+1.1	17.0	17,19	7.9	3	-	-	43	62	17	20	10	6	0	0	0	0	2	0	0	-	-	3	-	-	-	-
SANDOWN	9 9	4	15.8	11.0	13.4	+0.8	17.1	19	3.4	11	-	-	44	58	11	20	11	8	0	-	0	0	0	0	0	-	-	0	4.70	115	-	-
SHANKLIN	9 9	55	15.4	10.5	12.9	+1.0	17.1	14	5.0	11	-	-	57	64	16	20	14	10	0	0	0	0	0	4	0	-	-	0	4.31	105	-	-
VENTNOR	9 9	135	16.0	11.4	13.7	+1.1	18.6	13	6.5	28	13.9	14.0	52	65	17	20	11	7	0	0	0	1	1	0	0	0)	-	1	4.56	109	-	-
WEST SUSSEX																																
BOGNOR REGIS	9 9	7	15.5	11.1	13.3	+1.4	16.8	21	5.6	3	-	14.1	62	92	31	20	12	10	0	0	0	0	3	0	0	-	0	4.31	104	-	-
GATWICK AIRPORT	21-9	59	15.9	7.9	11.9	-	18.6	15,19,20	0.8	11	-	-	59	80	19	20	16	10	0	0	0	0	2	4	0	3	0	0	3.86	-	-	-
HURSTPIERPOINT	9 9	30	16.6	8.3	12.5	-	19.6	20	1.2	3	-	-	68	-	21	20	15	12	-	-	-	-	-	-	0	-	-	-	-	-	-	-
LITTLEHAMPTON	9 9	5	15.9	10.4	13.1	+1.2	17.4	17	3.6	3	-	13.9	76	106	33	20	14	10	0	0	0	0	0	0	0	-	-	0	4.47	110	-	-
NORTH HEATH	9 9	21	16.5	7.9	12.2	-	20.0	16	0.6	11	12.6	13.0	89	-	41	20	15	12	0	0	0	0	0	5	0	-	-	0	3.77	-	-	-
ROGATE	9 9	64	16.2	8.0	12.1	-	18.9	16	1.7	11	12.8	-	56	-	10	30	16	12	0	0	0	0	0	6	0	2	-	0	-	-	-	S
RUSTINGTON	9 9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WORTHING	9 9	2	16.0	10.3	13.1	-	19.0	13	2.8	3	13.8	-	69	-	34	20	13	11	0	0	0	0	1	0	0	1	-	0	4.49	-	-	-
EAST SUSSEX																																
BEXHILL	9 9	4	15.6	10.9	13.3	+1.2	17.2	6,21	4.0	3	13.0	13.9	44	58	14	20	16	9	0	0	0	0	2	0	0	0	-	1	4.15	103	-	-
BRIGHTON	9 9	10	15.8	10.8	13.3	+0.9	17.8	20	4.9	11	-	14.3	66	99	23	20	11	8	0	0	0	0	0	1	0	0	-	0	3.67	90	-	-
EASTBOURNE	9 9	7	15.9	11.0	13.5	+1.2	17.4	19	5.2	11	13.7	14.3	42	51	16	20	16	7	0	0	0	0	2	2	0	0	-	0	4.43	106	-	-
EAST HORTHLY	9 9	38	16.1	8.2	12.1	-	18.5	21	0.6	11	-	-	45	59	13	20	13	11	0	0	0	0	1	3	0	4	0	0	3.98	-	-	-
HASTINGS	9 9	45	15.7	11.1	13.4	+1.1	17.2	22	6.1	3	13.3	14.1	39	52	12	20	13	6	0	0	0	0	2	2	0	0	-	4	4.16	103	-	-
HERSTMONCEUX	21-9	17	16.0	8.9	12.5	-	18.1	6,21	1.6	11	-	-	34	-	13	20	16	6	0	0	0	0	5	2	0	3	0	0	3.95	-	-	-
PLUMPTON	9 9	76	16.6	9.5	12.5	-	18.2	16	2.1	11	-	-	65	67	20	20	13	12	-	0	-	-	-	6	0	0	-	-	3.90	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

OCTOBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
7A ENGLAND NW & I.O.M.																															
CUMBRIA																															
CARLISLE	21-9	26	15.3	9.1	12.2	-	20.6	15	1.1	3	12.0	12.4	104	123	29	3	18	13	0	0	0	0	0	0	0	2	0	0	3.59	-	-
CARTMEL	9 9	34	14.4	7.7	11.1	-	16.9	17,19	-1.2	6	-	-	164	-	31	3	22	18	0	0	0	0	0	2	-	-	-	0	-	-	-
GRIZEDALE	9 9	91	-	-	-	-	-	-	-	-	-	-	(258)	(132)	64	23	(21)	(18)	0	0	1	0	0	0	-	-	-	1	-	-	-
MOOR HOUSE	9 9	556	10.6	5.3	7.9	-	15.5	17	-0.6	11	8.3	-	159	84	26	30	24	19	1	0	1	0	0	6	1	7	-	6	2.77	-	-
NEWTON RIGG	9 9	171	14.0	8.1	11.1	+1.8	18.0	17	2.5	3	10.9	-	120	126	42	30	22	17	0	0	0	0	0	0	0	4	-	1	3.17	111	S
SELLAFIELD	9 9	13	15.1	10.1	12.6	-	19.6	15,16,18	6.2	2	-	-	200	187	64	30	20	16	-	0	-	-	-	0	0	0	-	-	3.31	-	-
LANCASHIRE																															
HAZELRIGG	9 9	94	14.4	9.3	11.9	-	18.6	16	6.3	5	-	-	103	-	31	3	20	14	0	0	0	0	0	0	0	0	-	2	3.58	-	-
HELMSHORE	9 9	260	12.9	7.7	10.3	-	17.1	18	4.1	11	10.8	-	138	96	32	3	20	15	0	0	0	0	0	2	0	0	-	0	3.11	-	-
KIRKHAM	9 9	24	14.7	9.1	11.9	-	18.5	17,19	5.3	26	-	-	101	107	26	3	20	16	0	0	0	0	0	0	0	1	-	0	3.65	-	-
MORECAMBE	9 9	7	15.1	9.9	12.5	+1.6	19.3	18	6.9	3	-	-	124	121	32	3	20	14	0	0	0	0	0	0	0	-	-	0	3.25	110	-
PRESTON	9 9	33	14.9	9.2	12.1	-	19.0	17	5.1	3,11	-	-	103	104	31	3	19	13	0	0	0	0	0	0	0	0	-	0	-	-	-
SLAIDBURN	9 9	192	12.6	7.4	10.0	-	16.0	19,22	3.0	11	-	-	152	100	31	3	20	17	0	0	2	0	0	2	0	2	-	0	2.39	-	-
SQUIRES GATE AIRPORT	21-9	10	15.2	9.5	12.3	+1.4	19.8	19	4.1	11	-	-	91	105	23	3	19	14	0	0	0	0	0	1	0	0	0	0	3.57	114	-
STONYHURST	9 9	115	-	-	-	-	-	-	-	-	-	-	(118)	(97)	35	3	(19)	(13)	-	-	-	-	-	-	-	-	-	-	-	-	-
MERSEYSIDE																															
AIGBURTH	9 9	12	14.8	9.7	12.3	-	18.5	19	6.2	11	-	-	77	-	14	23	16	13	0	0	1	0	0	3	0	0	0	0	2.71	-	-
BIDSTON	9 9	60	14.1	9.4	11.7	-	19.1	19	6.3	11	-	-	68	-	16	3	15	13	0	-	0	0	0	1	0	0	-	0	3.09	-	-
ST HELENS	9 9	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTHPORT	9 9	5	14.9	8.8	11.9	+1.2	19.4	19	4.5	11	(11.8)	12.7	93	112	29	3	18	15	-	-	-	-	-	-	0	0	-	-	3.50	111	-
SPEKE AIRPORT	21-9	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST KIRBY PARK	9 9	8	15.3	9.9	12.6	+1.5	20.7	19	5.9	11	-	-	47	70	13	3	16	11	0	0	0	0	0	-	0	0	-	0	-	-	-
GREATER MANCHESTER																															
BOLTON	9 9	107	14.3	7.9	11.1	-	18.5	18	2.0	28	11.3	11.8	128	-	25	3	16	14	0	0	0	1	1	0	0	4	-	0	-	-	-
MANCHESTER																															
RINGWAY AIRPORT	21-9	75	14.8	9.1	11.9	+1.4	19.2	18	4.1	28	-	-	61	81	8	1	17	12	0	0	1	0	0	1	0	0	0	0	3.76	126	-
WEATHER CENTRE (X)	21-9	69	15.2	10.3	12.7	-	20.5	16	5.3	28	-	-	69	-	11	3	17	12	0	-	1	0	1	0	0	-	-	0	3.45	-	-
CHESHIRE																															
KNUTSFORD	9 9	65	(15.0)	(7.6)	(11.3)	-	18.5	19	3.0	28	(12.1)	12.7	59	80	9	4	18	13	0	0	0	0	1	0	0	1	-	2	-	-	-
MACCLESFIELD	9 9	152	14.1	8.7	11.4	+1.3	18.2	18	4.0	28	-	-	64	79	16	1	19	13	0	0	0	0	0	0	0	-	-	0	-	-	-
NESS GARDENS	9 9	55	14.8	8.7	11.7	-	19.7	19	4.7	11	11.6	-	46	72	10	30	15	11	0	0	1	0	0	5	0	3	-	1	2.82	-	S
ISLE OF MAN																															
DOUGLAS	9 9	87	13.4	9.8	11.6	+0.9	16.0	19	6.2	3	-	-	185	160	56	30	20	14	0	0	0	0	0	0	0	0	-	4	2.51	82	-
POINT OF AYRE	21-9	9	14.4	10.4	12.4	+0.9	17.0	19	6.2	11	-	-	138	163	65	30	21	15	0	0	0	0	0	1	0	-	-	1	2.64	87	-
RONALDSWAY AIRPORT	21-9	16	14.0	10.7	12.3	+1.2	16.9	19	4.0	3	-	-	146	164	57	30	18	12	0	0	0	0	2	0	0	0	0	1	2.86	94	-
7B WALES N																															
GWYNEDD																															
ABER	9 9	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALA	9 9	163	14.3	7.8	11.1	-	19.4	19	0.0	28	11.7	12.5	131	106	44	30	19	17	0	0	0	0	0	0	0	3	1	0	3.40	-	-
BARDSEY ISLAND	21-9	16	14.7	11.6	13.1	-	17.3	17	8.2	6	-	-	125	136	34	30	20	12	0	0	0	0	0	0	0	0	0	4	-	-	-
BETWS-Y-COED	9 9	15	-	(8.0)	-	-	-	-	2.6	28	(11.9)	-	178	-	52	31	22	19	0	0	0	0	0	0	0	0	-	2	-	-	-
BOTWNNOG	9 9	34	15.0	9.3	12.1	-	18.7	15	5.3	25	12.6	13.5	134	119	38	30	20	15	0	0	0	0	0	0	0	0	-	4	3.45	-	-
CWMYSTRADLLYN	9 9	204	13.9	8.9	11.4	-	19.5	15	4.0	28	-	-	250	-	65	30	24	18	-	-	-	-	-	-	0	-	-	-	2.66	-	-
LLYN ALAW	9 9	44	15.5	9.3	12.4	-	22.0	17,18	2.5	2	-	-	147	-	54	30	18	13	-	-	-	-	-	-	0	-	-	-	3.78	-	-
PEN-Y-FFRIDD	9 9	84	15.8	9.7	12.7	-	24.0	18	5.1	28	-	-	122	106	37	30	20	19	0	0	0	0	1	0	0	4	-	1	3.29	-	-
TRAWSFYNYDD	9 9	193	14.5	8.9	11.7	-	21.0	16	5.2	11	-	-	174	100	51	30	23	19	-	0	-	-	-	0	0	0	0	-	-	-	-
VALLEY	21-9	10	15.8	10.9	13.3	+1.8	23.2	16	7.3	8	-	-	122	140	45	30	18	13	0	0	0	1	0	0	0	0	0	7	3.81	113	-
CLWYD																															
ALWEN	9 9	335	13.1	6.3	9.7	-	18.6	16	-0.4	11	-	-	125	104	43	30	21	19	-	-	-	-	-	-	1	9	-	-	-	-	-
BWLCHGWYN	9 9	386	12.2	(7.3)	(9.7)	-	16.5	19	4.3	11,25	9.6	-	75	75	20	30	17	12	0	0	0	0	0	3	0	3	-	0	-	-	-
COLWYN BAY	9 9	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CORWEN	9 9	144	15.1	7.3	11.2	-	20.0	19	0.1	11	-	-	104	102	36	30	20	13	0	0	0	0	0	-	0	3	-	0	-	-	-
HAWARDEN BRIDGE	9 9	5	15.0	8.5	11.7	+0.8	20.0	19	3.0	28	-	-	48	77	10	30	15	12	0	0	0	0	0	2	0	-	-	0	-	-	-
LLOGGERHEADS	9 9	210	13.7	7.6	10.7	-	19.2	19	1.5	28	11.1	11.5	78	95	18	30	18	13	0	0	0	0	0	0	0	3	-	0	3.48	-	S
PRESTATYN	9 9	4	15.8	(10.2)	(13.0)	(+1.5)	21.3	19	6.8	5	-	-	49	74	13	3	12	11	0	0	0	0	0	0	0	-	-	0	3.79	123	-
RUTHIN	9 9	76	15.3	8.8	12.1	-	20.1	19	3.0	28	-	-	59	84	18	30	16	12	0	0	0	0	0	0	0	-	-	0	(3.42)	-	-
POWYS(NORTH)																															
LAKE VYRNWY	9 9	303	12.2	7.1	9.7	+0.6	17.2	19	1.8	11	10.2	-	159	99	34	30	22	16	0	0	0	0	0	8	0	2	-	2	-	-	-
MOEL CYNNEDD	9 9	358	12.8	6.3	9.5	-	17.7	19	-0.2	11	10.3	-	229	-	40	30	22	21	0	0	0	2	0	4	1	8	-	1	-	-	-
8A WALES S																															
DYFED																															
ABERPORTH	21-9	134	14.7	9.9	12.3	+1.1	19.9	17	5.6	28	-	-	111	112	40	30	19	16	0	0	0	0	0	0	0	0	0	1	3.56	110	-
ABERYSTWYTH	9 9	4	-	-	-	-	-	-	-	-	-	-	99	98	22	30	17	13	0	0	0	0	0	1	-	-	-	0	-	-	-
BRAWDY	21-9	111	14.2	9.8	12.0	-	17.9	17	6.0	25	-	-	182	-	39	30	20	17	0	0	0	1	0	0	0	1	0	1	3.56	-	-
BRYNAMMAN	21-9	183	14.5	8.9	11.7	-	19.6	17	3.9	28	-	-	148	-	41	30	21	19	0	0	0	0	0	0	0	0	-	0	-	-	-
CARMARTHEN	9 9	15	15.7	8.0	11.9	-	20.2	17	0.0	28	12.6	13.0	184	143	47	30	21	17	0	0	0	0	0	0	0	-	-	2	3.49	-	-
CWMYSTWYTH	9 9	301	(13.5)	(7.7)	(10.6)	-	18.1	19	1.6	11	-	-	158	95	37	30	(22)	(17)	-	-	-	-	-	-	-	3	-	-	3.16	-	S
DALE FORT	9 9	33	14.9	11.5	13.2	+1.1	16.7	17	7.9	6	12.7	-	139	-	39	6	20	10	0	0	0	0	0	0	0	0	-	0	3.72	-	-
ESGAIRWEN-UCHAF	9 9	332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOGERDDAN	9 9	31	15.7	9.9	12.8	-	20.9	16,17	3.4	28	-	-	103	103	28	30	19	16	0	0	0	0	0	0	0	1	-	0	3.58	-	S
LLETY-EVAN-HEN	9 9	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MILFORD HAVEN (CONSERVANCY BOARD)	21-9	37	14.7	11.2	12.9	-	16.2	17	7.5	6	-	-	164	167	39	6	21	15	0	0	0	0	1	0	0	0	0	1	-	-	-
ORIELTON	9 9	61	14.9	10.1	12.5	-	16.7	19	5.2	25	13.1	-	174	159	44	6	20	18	0	0	1	0	0	2	0	0	-	2	-	-	-
SKOKHOLM ISLAND	9 9	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENBY	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAWSCOED	9 9	61	15.4	9.0	12.2	-	20.7	17	2.4	28	13.0	-	120	106	43	30	20	19	0	0	0	0	0	3	0	5	-	0	3.59	118	-
TREGARON	9 9	178	14.8	8.2	11.5	-	19.4	17	-0.2	28	-	-	132	-	49	30	21	17	0	0	1	0	0	0	1	8	-	0	3.55	-	S
WHITECHURCH	9 9	130	14.5	9.2	11.9	-	19.6	17	3.7	28	-	-	215	-	77	30	21	16	0	0	0	2	0	0	0	1	-	1	-	-	-
POWYS(SOUTH)																															
CENARTH	21-9	308	13.3	7.8	10.5	-	17.9	19	1.0	11	-	-	120	-	35	30	20	14	0	0	0	0	0	3	0	5	-	0	-	-	-
LLANGENNY	9 9	122	(14.6)	(7.8)	(11.2)	-	18.7	19,20	1.3	28	-	-	78	-	31	30	18	14	0	0	0	0	0	0	0	-	-	0	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

OCTOBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIP-ITATION 0.2 MM OR MORE	PRECIP-ITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
8A WALES S CONTINUED																																
WEST GLAMORGAN																																
MUMBLES HEAD	21-9	36	14.8	(11.5)	(13.1)	-	17.6	19	8.4	28	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	4	-	-	-
NEATH	9 9	62	15.3	10.3	12.8	-	19.2	17	3.6	28	-	-	106	85	21	30	20	14	0	0	0	0	0	0	0	0	0	-	-	-
PENMAEN	9 9	85	15.0	10.2	12.6	-	18.8	19	6.3	28	13.0	13.7	103	84	25	30	21	16	0	0	0	0	2	0	0	0	1	3.19	-	-
PORT TALBOT	9 9	7	16.1	10.2	13.1	-	20.8	19	1.8	28	-	-	73	67	14	23	17	11	0	0	0	0	0	0	0	0	0	3.47	-	-
SWANSEA	9 9	8	-	10.7	-	-	-	-	5.0	28	11.0	14.4	89	78	19	30	19	14	0	0	0	0	0	0	0	-	0	-	-	S
WHITEFORD BURROWS	9 9	6	15.5	10.3	12.9	-	18.4	19	1.2	28	-	-	138	-	33	30	22	19	0	0	0	0	1	2	0	5	3	-	-	-
MID GLAMORGAN																														
ABERDARE	9 9	174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CILFYNYDD	21-9	194	14.0	-	-	-	18.4	19	-	-	-	-	127	-	36	30	20	17	0	0	0	0	0	5	-	-	0	-	-	-
LLWYNON	9 9	242	13.4	7.1	10.3	-	17.8	19	1.5	28	-	-	170	104	71	30	20	19	0	0	0	0	0	9	0	-	0	2.39	-	S
PORTHCAWL	9 9	6	16.3	-	-	-	19.3	13	-	-	-	-	65	67	14	30	18	12	-	-	-	-	-	-	-	-	-	3.31	-	S
SOUTH GLAMORGAN																														
BRIDGEND	9 9	43	15.4	8.9	12.1	-	20.5	20	1.9	28	13.2	13.7	105	-	17	23.30	19	13	0	0	0	0	0	-	0	1	0	-	-	-
RHOOSE AIRPORT	21-9	67	15.0	9.7	12.3	-	18.3	19	4.3	28	-	-	73	-	15	31	16	11	0	0	0	0	2	2	0	3	0	2.77	-	-
GWENT																														
CRUMBLAND	9 9	245	13.6	8.1	10.9	-	16.7	19	4.4	28	11.5	11.8	75	81	32	30	19	14	0	0	0	0	0	8	0	3	-	2	2.61	-	-
NEWPORT	9 9	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USK	9 9	21	15.6	7.2	11.4	+0.9	18.7	19	0.5	28	13.1	-	87	93	28	30	18	14	0	0	0	0	0	-	0	2	-	0	2.17	75	-
8B ENGLAND SW																														
AVON																														
BATH	9 9	118	-	-	-	-	-	-	-	-	-	-	(52)	(73)	(10)	30	(16)	(15)	-	-	-	-	-	-	-	-	-	-	-	-
FILTON	21-9	59	15.3	9.0	12.1	+1.0	18.3	18.21	3.1	28	-	-	40	56	13	30	16	10	0	0	1	0	3	3	0	5	0	0	2.96	98	-
LONG ASHTON	9 9	51	15.8	8.8	12.3	+1.2	19.4	21	2.6	28	12.6	-	50	63	9	24	15	11	0	0	0	1	3	5	0	2	-	2	3.22	102	-
SOMERSET																														
CANNINGTON	9 9	23	16.2	9.2	12.7	+1.2	19.6	19	4.0	11	13.0	-	37	56	6	30	12	10	0	0	2	0	1	2	0	0	-	1	3.42	106	-
CREWKERNE	9 9	101	15.3	9.2	12.3	-	19.2	16	5.7	28	12.5	-	51	-	13	30	17	12	0	0	0	0	-	0	-	-	-	1	-	-	-
DOWNSIDE ABBEY	9 9	183	14.5	8.6	11.5	-	17.9	18	3.6	28	-	-	74	80	11	31	17	13	0	0	0	0	5	0	-	-	-	0	-	-	-
EXTON	21-9	335	13.7	8.0	10.9	-	18.0	16	3.2	28	-	-	93	-	16	6	19	14	0	0	1	0	0	5	0	4	0	0	-	-	-
HAWKRIDGE	9 9	314	13.2	8.2	10.7	-	17.6	17.19	3.7	11	-	-	116	83	16	30	22	15	0	0	0	0	0	3	0	2	-	0	2.63	-	-
NETTLECOMBE	9 9	96	15.4	8.7	12.1	-	19.0	16.17	2.8	11	13.0	-	61	-	14	6	19	15	0	0	0	0	0	0	0	-	-	1	-	-	-
NETTLECOMBE(BIRDS HILL)	9 9	290	-	8.8	-	-	-	-	6.2	11	-	-	80	-	20	6	21	16	0	0	0	0	2	0	0	-	-	0	-	-	-
RODNEY STOKE	9 9	40	15.6	8.9	12.3	-	19.3	17	3.6	3.28	13.2	13.5	45	56	11	31	16	12	0	0	0	0	1	1	0	0	0	0	-	-	-
WINCANTON	9 9	114	15.6	8.1	11.9	-	18.7	4	2.6	3	-	-	56	66	11	7	18	12	0	0	0	0	1	9	0	2	-	2	3.53	-	-
YEOVILTON	21-9	18	16.0	8.6	12.3	-	19.4	16.18	1.6	28	-	-	27	37	8	30	15	8	0	0	0	0	2	2	0	1	0	0	-	-	-
DORSET																														
BOURNEMOUTH																														
HURN AIRPORT	21-9	10	16.0	9.1	12.5	-	19.3	16	1.2	11	-	-	55	65	11	8	16	10	0	0	0	0	1	2	0	3	0	1	4.04	-	-
MEYRICK PARK	9 9	40	15.6	9.9	12.7	+1.0	18.5	17	3.8	11	13.1	13.6	(65)	(76)	20	7	17	(11)	0	0	0	0	0	0	0	2	-	0	(4.37)	(113)	-
CHRISTCHURCH	9 9	3	15.9	9.6	12.7	-	19.0	17	2.1	11	-	-	42	50	9	8	15	9	0	0	1	0	1	0	0	2	-	0	-	-	-
POOLE	9 9	5	16.1	9.4	12.7	+1.0	19.2	17	2.5	28	13.8	14.2	59	71	13	20	16	13	0	0	0	0	0	5	0	0	-	0	4.23	115	-
PORTLAND BILL (COASTGUARD)	21-9	53	15.3	11.8	13.5	+0.6	17.6	18	8.6	28	-	-	31	-	7	5	15	9	0	0	0	0	2	0	0	0	0	1	(4.38)	-	-
SWANAGE	9 9	11	15.5	11.1	13.3	+1.2	17.2	18	5.0	28	-	14.5	51	58	7	30	18	13	0	0	1	0	1	0	0	0	-	3	3.76	99	-
WEYMOUTH	9 9	23	16.0	10.7	13.3	-	18.0	20	4.4	28	-	-	39	-	7	5	16	10	0	0	1	0	1	0	0	-	-	0	4.35	110	-
WINFRITH	9 9	26	15.9	(8.8)	(12.3)	-	18.5	18	1.7	11	-	-	77	85	23	7	17	13	0	0	0	0	0	0	0	4	-	1	-	-	-
DEVON																														
CHELDON BARTON	9 9	164	15.0	9.0	12.0	-	19.5	19	2.7	28	12.9	-	63	-	11	6	19	14	0	0	0	0	1	0	0	3	-	0	(3.17)	-	-
EXETER AIRPORT	21-9	32	15.7	9.5	12.6	+1.2	19.5	17	1.8	28	-	-	38	53	11	30	17	9	0	0	0	0	2	1	0	3	0	0	3.20	98	-
EXMOUTH	9 9	59	15.8	10.8	13.3	+1.8	18.0	4	5.0	9	-	-	35	46	13	30	15	8	0	0	0	0	0	2	0	-	-	1	4.15	113	-
HARTLAND POINT	21-9	91	15.0	11.3	13.1	+1.1	19.5	14.16	7.7	7	-	-	51	59	13	30	17	12	0	0	0	0	1	0	0	0	0	5	4.07	119	-
ILFRACOMBE	9 9	8	16.0	11.8	13.9	-	20.6	17	9.0	11	13.5	14.5	96	-	30	30	21	13	0	0	0	0	0	0	0	-	-	0	3.51	-	-
PLYMOUTH																														
MOUNT BATTEN	21-9	27	15.6	11.0	13.3	+1.2	19.3	16.17	4.0	28	-	-	47	51	20	30	16	10	0	0	0	0	0	0	0	0	0	2	3.83	106	-
THE HOE	9 9	36	15.6	10.9	13.3	+1.0	19.4	16	4.0	28	13.7	14.0	40	45	14	30	16	12	0	0	0	0	0	-	0	0	-	0	3.79	104	-
PRAWLE POINT	21-9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	1	0	-	-	-	6	4.40	-	-
PRINCETOWN	9 9	414	12.5	8.3	10.4	-	17.8	14	5.0	3	-	-	(154)	-	43	30	(21)	(18)	0	0	0	0	0	9	0	0	-	2	-	-	-
SLAPTON	9 9	32	16.1	10.5	13.3	-	19.6	19	5.6	28	-	-	39	40	9	30	17	10	0	0	0	0	0	0	0	0	-	0	-	-	-
STARCROSS	9 9	9	15.7	9.7	12.7	+1.1	18.1	17.19	1.4	28	12.9	-	41	53	14	30	15	6	0	0	0	0	1	4	0	1	-	1	3.95	109	-
TAVISTOCK	9 9	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEIGNMOUTH	9 9	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TORBAY(TORQUAY)	9 9	8	16.0	10.4	13.2	+1.0	19.3	19	4.4	28	-	14.7	37	44	15	30	14	7	0	0	0	0	0	0	0	0	-	3	4.29	115	-
CORNWALL																														
BASTREET	9 9	232	14.2	8.7	11.5	-	18.9	16	2.9	28	-	-	110	67	25	30	21	17	0	0	0	0	0	1	0	2	-	0	3.01	-	-
BUDE	9 9	15	16.2	10.4	13.3	+1.3	21.1	16	5.4	26	13.3	-	57	64	17	30	19	15	0	0	0	0	0	0	0	-	-	4	3.51	100	-
CULDROSE	9 9	81	14.8	10.4	12.6	-	16.8	17.19	6.4	6	-	-	141	162	84	5	21	17	0	0	0	0	0	0	0	0	0	0	(3.43)	-	-
ELLBRIDGE	9 9	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALMOUTH	9 9	51	15.0	10.1	12.5	+0.2	16.8	19	5.4	13	-	-	157	164	93	5	20	15	0	0	0	0	0	0	0	-	0	2	2.96	88	-
FOWEY	9 9	75	14.8	10.4	12.6	+0.2	16.6	17.19	5.0	9	-	-	51	-	11	30	19	13	0	0	0	0	0	0	0	-	-	2	-	-	-
GULVAL	9 9	15	15.3	10.3	12.8	-	18.0	16	5.5	28	-	-	114	-	53	5	22	14	0	0	0	0	0	0	0	0	-	0	3.54	-	-
GWENNAP HEAD	21-9	66	14.5	11.7	13.1	-	16.1	16	6.9	6	-	-	89	-	41	5	18	13	0	0	0	0	1	0	0	0	6	-	-	-	-
LIZARD	9 9	73	15.0	11.1	13.1	+0.6	16.5	16	7.6	6	-	-	114	143	73	5	17	11	0	0	0	0	0	1	0	-	-	3	4.00	109	-
NEWQUAY	9 9	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PENZANCE	9 9	19	15.8	(10.1)	(12.9)	(+0.3)	18.0	3	6.4	3.28	-	-	119	118	52	5	20	13	0	0	0	0	0	0	0	-	-	3	3.71	101	-
ROSEWARNE	9 9	76	15.3	10.4	12.9	-	17.7	20	7.5	9.12	13.5	14.0	161	165	93	5	21	17	0	0	1	0	0	0	0	0	-	1	3.58	-	-
ST AUSTELL(BETHEL)	9 9	55	15.0	10.7	12.9	-	17.4	19	6.8	28	-	-	67	-	12	30	21	15	0	0	0	0	0	0	0	0	-	2	2.78	-	-
ST JOHNS	9 9	128	15.2	9.3	12.3	-	20.4	16	3.2	28	-	-	78	67	24	30	18	13	-	-	-	-	-	0	-	-	-	-	3.36	-	-
ST MAWGAN	21-9	103	15.3	10.6	12.9	-	18.0	14.16	7.9	31	-	-	132	139	75	5	21	15	0	0	1	0	0	0	0	0	0	0	3.74	-	-
SCILLY(ST MARYS)	21-9	48	15.0	11.8	13.4	+0.5	16.7	19	7.9	6	-	-	94	120	36	5	21	14	0	0	0	0	1	0	-	-	0	3	3.35	90	-
CHANNEL ISLANDS																														
ALDERNEY	9 9	88	15.7	11.5	13.6	-	19.1	17	8.8	11	13.8	-	70	-	19	6	17	14	0	0	0	0	1	0	0	0	-	0	(4.95)	-	-
GUERNSEY																														
AIRPORT	21-9	104	15.4	11.8	13.6	+0.7	18.6	17	8.9	3	13.1	13.6	47	56	16	30	17	16	0	0	0	0	1	0	0	0	0	1	4.83	129	-
L'ANCRESSE	9 9	5	16.7	11.8	14.3	-	20.4	16	5.6	26	-	-	41	50	13	30	15	11	0	-	0	0	0	-	0	-	-	0	5.50	-	-
JERSEY																														
AIRPORT	9 9	83	16.0	11.2	13.6	-	19.4	17	6.9	11	13.5	14.1	39	51	10	30	18	12	0	0	0	0	0	0	0	0	0	0	4.66	-	-
GOREY CASTLE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.88	-	-
ST HELIER	9 9	47	16.8	11.7	14.3	+0.6	20.5	16.17	8.7	11	-	-	43	54	8	30	18	15	0	0	0	0	0	0	0	0	-	0	4.92	115	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

OCTOBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
NORTHERN IRELAND																																
LONDONDERRY																																
AGHANLOO	9 9	18	14.6	9.1	11.9	-	17.5	19	3.8	6	-	-	88	-	17	3	21	17	-	-	-	-	-	0	0	-	-	-	-	-	-
BANAGHER(CAUGH HILL) ...	9 9	216	13.1	7.2	10.1	-	16.0	15	3.5	6	-	-	135	-	24	11	26	21	0	0	0	0	0	1	0	3	-	8	2.37	-	-
CARMONEY	9 9	73	14.3	8.8	11.5	-	17.5	15,16	5.4	5	-	-	75	-	14	11	22	17	0	0	0	0	0	0	0	0	-	-	2.18	-	-
COLERAINE UNIVERSITY ...	9 9	23	14.3	8.5	11.4	-	17.7	17	3.3	6	11.4	11.7	96	-	16	11	21	16	0	0	0	0	0	0	0	1	-	0	2.17	76	-
COOLKEERAGH	9 9	3	14.7	9.2	11.9	-	18.6	16	5.2	23	-	-	82	-	16	3	20	17	-	-	-	-	-	-	0	-	-	-	-	-	-
DERRYNOYD FOREST ...	9 9	88	14.1	7.6	10.9	-	17.5	19	2.8	3	-	-	106	89	25	11	23	17	0	0	0	1	0	0	4	-	-	-	-	-	-
GARVAGH FOREST	9 9	88	13.6	7.5	10.5	-	17.4	16	3.3	3.6	11.4	11.6	132	112	19	11	25	21	0	0	0	0	0	0	0	0	-	-	-	-	-
LOUGHERMORE FOREST ...	9 9	174	13.4	7.8	10.6	-	17.5	16	1.8	3	-	-	105	93	19	11	23	21	0	0	0	0	0	0	2	-	4	-	-	-	-
MONEYDIG	9 9	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOMERSET FOREST ...	9 9	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																																
ALDERGROVE AIRPORT ...	21-9	68	14.1	8.9	11.5	+1.4	17.2	16	3.5	3	11.9	12.2	89	103	21	3	19	15	0	0	0	0	2	0	0	1	0	0	2.78	110	-
ALTNAHINCH	9 9	226	12.6	7.3	9.9	-	16.5	16	3.5	12	-	-	131	87	18	11	22	19	0	0	0	1	0	0	0	0	-	1	2.31	-	-
BALLYLUMFORD	9 9	24	14.1	8.9	11.5	-	16.4	16,17	6.2	11	-	-	98	-	17	30	22	15	-	-	-	-	-	-	0	0	-	-	-	-	-
BALLYMONEY	9 9	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALLYPATRICK FOREST ...	9 9	152	13.4	8.3	10.9	-	16.7	19	4.8	11	-	-	109	87	16	3	20	16	0	-	0	0	0	1	0	0	-	0	2.63	-	-
CARNLOUGH	9 9	12	14.6	8.5	11.5	-	17.9	19	4.4	11	-	-	83	-	15	7	19	15	0	-	0	0	1	0	0	0	-	-	-	-	-
DIVIS MOUNTAIN	9 9	363	11.4	5.9	8.7	-	14.8	16	2.0	12	-	-	156	136	27	7	18	17	0	-	0	0	0	-	0	-	-	-	-	-	-
GREENMOUNT	9 9	32	14.3	8.8	11.5	-	17.6	16	3.7	3	12.2	-	85	104	18	3	18	14	0	0	0	0	-	-	0	2	-	-	-	-	-
HYDE PARK (MALLUSK) ...	9 9	140	13.4	8.1	10.7	-	16.8	16	4.2	3	-	-	117	-	24	30	16	15	-	0	-	-	-	-	0	1	-	-	-	-	-
KILROOT POWER STATION	9 9	12	14.3	8.9	11.6	-	16.9	16	4.1	13	-	-	96	-	23	30	21	14	-	0	-	-	-	-	0	0	-	-	-	-	-
LISNAFILLAN	9 9	38	14.3	7.8	11.1	-	17.6	15	3.1	3	-	-	96	97	17	11	19	16	0	0	0	0	0	0	3	-	-	-	2.82	-	-
LOWTOWN	9 9	271	12.1	7.2	9.7	-	15.1	18	2.9	10	10.2	-	133	95	24	3	22	17	0	0	0	0	0	5	0	3	-	1	1.58	-	-
PARKMORE FOREST ...	9 9	235	12.6	6.9	9.7	-	15.6	15	2.6	5	10.6	-	148	92	20	11	22	17	0	0	0	0	2	0	0	4	-	7	-	-	-
WOODBURN NORTH ...	9 9	217	12.5	7.4	9.9	-	15.0	18	3.5	3	-	-	129	109	25	3	22	19	0	0	0	0	1	4	0	1	-	-	-	-	-
BELFAST																																
ANDERSONSTOWN	9 9	64	14.4	8.3	11.3	-	17.2	15	3.6	5	-	-	93	-	20	30	18	14	0	0	0	0	1	1	0	0	-	-	-	-	-
MALONE	9 9	35	14.4	8.4	11.4	-	17.5	16	4.0	13	12.0	-	100	-	24	30	20	16	-	-	-	-	-	-	0	0	-	-	2.80	-	-
MILLTOWN	9 9	37	14.6	8.5	11.5	-	17.2	16	4.1	3	-	-	94	-	26	30	21	14	0	0	2	1	2	1	0	-	-	-	-	-	-
NEWTOWNABBEY ...	9 9	32	14.3	9.3	11.8	-	16.9	16	6.0	3.13	12.1	-	95	99	19	30	22	15	0	0	0	2	0	0	1	0	1	2.12	-	S	
ROSEBANK	9 9	47	14.6	8.0	11.3	-	17.2	16	6.0	5.10.11	-	-	103	-	30	30	22	18	-	0	-	-	-	-	0	-	-	-	-	-	-
ROSETTA	9 9	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STORMONT CASTLE ...	9 9	56	13.9	8.6	11.3	-	17.0	16	4.6	10	12.0	12.4	97	110	28	30	22	16	0	0	0	0	1	0	0	4	-	-	2.24	-	-
DOWN																																
BANGOR SEACOURT ...	9 9	15	14.4	9.6	12.0	-	16.9	16	6.3	5	12.6	13.3	110	-	37	30	19	15	0	0	1	0	2	0	0	0	0	-	2.83	-	-
BALLYWALTER PARK ...	- -	11	-	-	-	-	-	-	-	-	-	-	95	112	39	30	18	13	-	-	-	-	-	-	-	-	-	-	2.84	-	-
BALLYWATTICOCK	9 9	6	13.9	9.2	11.5	-	16.4	16	4.7	25	-	-	90	120	32	30	17	12	0	0	1	0	1	1	0	0	-	-	2.88	-	-
CREIGHTONS GREEN ..	9 9	119	13.3	-	-	-	15.5	16	-	-	-	-	110	116	31	30	15	15	-	-	-	-	-	-	-	-	-	-	-	-	-
DOWNPATRICK	9 9	26	14.7	9.0	11.9	-	17.1	17	4.7	13	-	-	98	-	39	30	15	11	-	-	-	-	-	1	0	0	-	-	-	-	-
HELENS BAY	9 9	43	14.1	9.0	11.5	-	16.8	17	5.9	5	-	-	118	141	28	30	22	16	0	0	0	1	2	0	0	0	-	1	2.76	-	-
HILLSBOROUGH	9 9	116	13.6	8.4	11.0	+1.1	16.0	19	5.5	5	11.6	11.6	105	121	36	30	19	15	0	0	0	0	2	0	0	1	-	2	3.13	118	-
MURLOUGH	9 9	9	14.5	8.4	11.5	-	16.8	3	4.3	5	11.5	11.3	132	-	51	30	19	12	0	0	0	0	1	2	0	4	-	11	2.94	-	-
ARMAGH																																
ARMAGH	9 9	62	14.2	8.7	11.5	+1.2	17.6	16	5.0	10	12.4	13.1	66	80	18	11	18	11	0	0	0	0	2	0	0	1	-	1	2.55	96	-
LOUGHGALL	9 9	25	14.6	8.5	11.5	-	18.5	17	3.8	13	-	-	72	92	19	11	21	13	0	0	1	0	0	0	0	2	-	0	3.02	-	-
LURGAN	9 9	55	14.7	8.7	11.7	-	17.8	17	5.5	3	12.0	12.5	71	91	15	30	19	13	0	-	0	0	0	-	0	0	-	-	2.81	-	-
TANDRAGEE	9 9	43	15.0	8.4	11.7	-	18.5	17	4.5	3	-	-	69	-	16	30	13	11	-	-	-	-	-	-	-	-	-	-	-	-	-
TYRONE																																
ALTAVEEDAN	9 9	175	13.4	7.2	10.3	-	17.8	17	1.6	6	-	-	111	-	19	11	26	15	-	-	-	-	-	-	0	1	-	-	-	-	-
CARRIGANS	21-9	113	13.9	8.5	11.2	-	18.5	17	3.8	5	-	-	107	93	23	8	25	20	0	0	1	0	2	0	0	2	0	0	2.06	-	-
COOKSTOWN	9 9	77	14.0	7.9	10.9	-	17.4	17	4.1	3	11.4	-	77	79	14	11	22	17	0	0	0	0	1	2	0	2	-	-	2.43	-	-
LOUGH BRADAN	9 9	169	13.0	7.5	10.3	-	17.6	17	2.9	3	-	-	134	93	25	8	26	18	-	0	-	-	-	0	0	3	-	-	1.90	-	-
POMEROY FOREST	9 9	174	13.3	7.2	10.3	-	16.6	17	3.9	13	11.6	-	100	92	14	8	23	19	0	0	0	0	3	0	2	-	-	-	-	-	-
STRABANE CONVENT ...	9 9	44	14.4	8.5	11.5	-	17.9	15	5.9	5.25	-	-	96	99	18	8	25	19	0	0	0	0	1	2	0	0	-	5	2.34	-	-
TIEVENNY	9 9	41	14.3	8.3	11.3	-	19.0	17	3.2	6	-	-	104	-	23	8	25	17	-	-	-	-	-	-	0	0	-	-	-	-	-
FERMANAGH																																
CASTLE ARCHDALE FOREST	9 9	66	13.9	8.2	11.1	+1.2	17.0	17	3.3	6	11.6	11.9	97	86	19	3	24	17	0	0	0	0	3	0	0	1	-	0	1.74	66	-
CORGARY	9 9	156	13.5	8.2	10.9	-	17.0	17	4.7	6	-	-	112	-	17	8	25	24	0	-	0	0	1	0	0	0	0	-	-	-	-
KNOCKARRAVAN	9 9	53	14.2	8.4	11.3	-	18.0	17	3.0	6	-	-	120	-	21	8	27	20	0	0	1	0	1	0	0	0	0	-	-	-	-
LISNASKEA	9 9	49	14.6	7.6	11.1	-	17.2	16	2.3	10	-	-	95	103	21	11	22	14	0	-	0	0	0	0	0	3	-	-	2.11	-	-
LOUGH NAVAR FOREST ...	9 9	148	13.3	7.1	10.2	-	16.4	16	2.5	23	-	-	122	82	21	3	28	22	0	0	0	0	0	3	0	3	-	-	-	-	-
PUBBLE FOREST	9 9	91	14.2	7.5	10.9	-	17.7	17	2.0	6	-	-	137	127	30	11	25	21	0	-	0	0	1	0	0	4	-	-	-	-	-

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

OCTOBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: DEPRESSION OF WET BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: VAPOUR PRESSURE (MB)	MEAN TEMPERATURE AND HUMIDITY: RELATIVE HUMIDITY (%)	CLOUD AMOUNT (OKTAS): MEAN	CLOUD AMOUNT (OKTAS): NUMBER OF OBSERVATIONS: 0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: NUMBER OF OBSERVATIONS: 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE: 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT): 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
0 SCOTLAND N SHETLAND																																										
FAIR ISLE	61	9	1005.3	-	9.8	0.5	11.3	93	7.1	0	1	2	13	10	5	0	4	0	1	0	3	2	4	12	5	4	9	9	5	4	2	0	3	2	15	2	2	1
		15	1005.1	-	10.1	0.7	11.3	91	6.9	0	1	1	18	8	3	0	1	0	2	1	2	2	2	15	6	2	9	16	4	0	1	0	1	7	12	3	4	3
		21	1005.6	-	9.8	0.7	11.0	91	6.5	0	4	2	12	11	2	0	2	0	0	1	2	2	0	6	13	6	5	5	15	5	1	3	0	2	5	12	4	2	2
LERWICK	83	3	1004.7	-	-	-	-	-	6.7	0	2	4	7	14	4	0	4	0	0	0	2	9	6	7	3	0	7	11	13	0	0	2	1	1	17	3	5	2
		9	1004.8	- 4.6	9.3	0.8	10.6	90	7.1	0	1	2	14	9	5	0	5	0	1	0	1	8	7	4	5	0	7	11	10	3	1	2	2	0	17	3	1	2
		15	1004.5	-	9.4	0.9	10.6	89	6.9	0	1	2	15	8	5	0	3	1	2	0	1	5	7	7	5	1	4	15	11	0	0	2	0	3	14	4	6	2
		21	1005.2	-	-	-	-	-	6.5	0	3	4	8	12	4	0	2	1	1	1	1	4	8	10	3	0	8	13	10	0	1	2	1	2	16	3	5	1
ORKNEY																																										
KIRKWALL	26	3	1004.6	-	9.3	0.5	11.0	93	5.7	0	6	6	6	11	2	0	0	1	1	1	1	6	7	11	3	0	3	18	10	0	1	0	2	4	16	5	2	1
		9	1004.7	- 5.2	10.3	0.7	11.5	91	6.8	0	0	2	21	6	2	0	0	2	0	1	3	2	3	14	6	0	4	14	12	1	0	0	2	5	20	0	1	2
		15	1004.6	-	10.8	1.1	11.3	87	6.3	0	2	5	19	4	1	0	0	1	0	1	3	1	5	15	5	0	4	20	7	0	1	0	2	4	16	1	3	4
		21	1005.0	-	9.3	0.6	10.9	92	5.8	1	3	5	14	7	1	0	1	0	0	0	3	4	5	14	4	0	4	14	13	0	0	0	3	6	12	4	4	2
WESTERN ISLES																																										
BENBECULA	7	3	1003.2	-	10.7	0.7	11.8	91	6.5	0	1	6	13	11	0	0	0	0	0	0	0	7	9	11	4	0	4	20	7	0	2	1	0	9	10	6	2	1
		9	1003.3	- 6.6	11.2	0.9	11.8	88	5.8	0	6	4	11	10	0	0	0	0	0	0	2	6	7	10	6	0	9	19	2	1	1	1	1	7	12	2	4	2
		15	1003.2	-	12.1	1.3	12.0	85	6.1	0	3	7	13	8	0	0	0	0	0	0	0	7	6	9	9	1	5	21	4	0	0	2	1	5	12	5	6	0
		21	1003.9	-	10.6	0.8	11.6	90	6.5	0	2	4	14	11	0	0	0	0	0	0	0	5	8	13	5	0	4	20	6	1	0	2	1	9	9	6	3	0
STORNOWAY	5	3	1003.3	-	10.2	0.7	11.3	91	5.3	1	3	9	11	7	0	0	0	0	1	0	0	2	12	15	1	0	5	15	10	1	0	2	2	2	9	10	3	2
		9	1003.1	- 6.5	10.6	0.8	11.5	89	6.1	0	2	8	11	10	0	0	0	0	0	0	0	4	8	13	6	2	3	16	8	2	3	1	2	5	6	9	2	1
		15	1002.9	-	11.9	1.5	11.5	83	6.1	0	2	8	13	8	0	0	0	0	0	0	0	4	7	15	5	2	3	19	7	0	0	1	2	3	14	5	2	4
		21	1003.7	-	10.2	0.8	11.3	90	5.6	0	7	3	12	9	0	0	0	0	0	0	0	4	6	20	1	1	7	9	12	2	1	0	2	1	9	7	6	3
HIGHLAND																																										
CAPE WRATH	113	3	1003.4	-	11.1	1.6	10.7	81	4.8	0	4	16	6	5	0	0	0	0	0	0	0	0	1	16	14	0	5	7	19	0	0	2	0	4	6	14	2	3
		9	1003.2	-	11.1	1.4	11.1	84	6.7	0	1	5	11	14	0	0	0	0	0	0	0	2	2	12	15	1	3	11	16	0	1	0	1	5	8	9	6	1
		15	1003.1	-	11.8	1.6	11.2	81	6.3	0	0	7	15	9	0	0	0	0	0	0	0	0	5	10	16	2	4	15	10	0	1	1	3	5	2	12	5	2
		21	1003.6	-	11.3	1.5	11.0	82	6.0	0	2	6	13	10	0	0	0	0	0	0	0	0	2	16	13	0	6	6	19	0	0	1	1	3	5	14	3	4
DALCROSS	12	9	1005.5	-	10.6	1.2	11.0	86	6.3	0	2	4	22	3	0	0	0	0	0	1	1	2	3	15	9	0	2	11	16	2	1	1	1	1	9	13	3	0
		15	1005.1	-	13.0	2.0	11.6	78	6.3	0	2	4	21	4	0	0	0	0	0	0	0	3	5	14	9	0	3	13	15	0	1	5	0	0	8	10	4	3
WICK	37	3	1005.0	-	9.2	0.9	10.4	89	5.1	0	6	8	12	3	2	0	0	0	3	0	1	5	6	10	6	0	3	11	17	0	0	0	1	6	15	4	4	1
		9	1005.2	- 5.0	10.5	1.0	11.1	87	6.3	0	1	6	20	2	2	0	1	1	0	0	5	0	6	12	6	0	4	16	13	0	0	0	2	0	21	3	3	2
		15	1005.0	-	11.1	1.4	10.9	83	6.3	0	0	5	24	2	0	0	0	0	0	2	3	2	4	12	8	0	4	15	12	0	1	1	1	9	10	3	4	2
		21	1005.5	-	9.6	0.9	10.6	88	5.1	0	6	8	13	3	1	0	1	0	1	0	4	4	4	12	5	0	2	14	15	0	0	1	1	3	15	5	5	1
1 SCOTLAND E GRAMPIAN																																										
DYCE	59	3	1006.9	-	9.0	0.6	10.7	92	5.5	0	8	3	6	11	3	0	1	1	1	4	0	4	5	5	10	0	1	10	14	6	0	3	1	5	11	2	3	0
		9	1006.9	- 4.8	10.5	0.9	11.3	88	6.6	0	2	3	16	8	2	0	0	0	2	1	5	4	4	9	6	0	3	10	13	5	1	2	0	1	17	1	2	3
		15	1006.6	-	12.0	1.7	11.2	80	6.7	0	0	6	15	10	0	0	0	0	2	1	4	5	4	6	9	1	0	16	14	0	0	1	1	4	17	4	1	3
		21	1007.2	-	9.9	0.9	10.9	88	6.7	0	2	3	12	10	4	0	0	1	3	1	6	4	2	10	4	0	3	8	19	1	1	1	1	11	8	3	4	1
FRASERBURGH	22	3	1006.6	-	10.2	0.8	11.2	89	5.8	0	6	5	7	9	4	0	1	0	3	0	1	0	13	13	0	0	3	14	14	0	0	0	1	1	7	14	3	3	2
		9	1006.7	- 4.5	10.8	0.9	11.5	89	6.2	0	3	6	11	9	2	1	0	3	1	0	1	2	7	16	0	0	4	13	14	0	0	0	2	1	4	17	2	3	2
		15	1006.5	-	12.1	1.5	11.6	82	6.3	0	0	9	10	11	1	0	1	3	0	0	0	1	11	15	0	0	2	12	17	0	0	0	1	1	10	11	2	3	3
		21	1007.1	-	10.6	0.9	11.4	88	6.3	0	3	5	10	11	2	0	1	1	2	0	2	1	14	10	0	1	2	11	17	0	0	0	2	9	13	3	3	1
KINLOSS	6	3	1005.6	-	9.9	1.2	10.5	85	5.5	0	3	8	18	2	0	0	0	0	0	0	0	3	5	9	14	0	0	10	19	2	0	1	1	6	13	7	1	0
		9	1005.6	- 5.3	11.0	1.4	11.0	83	6.2	0	1	8	19	3	0	0	0	0	0	0	0	5	4	7	15	0	0	2	5	24	0	1	2	5	1	6	12	4	0
		15	1005.2	-	13.3	2.1	11.7	77	6.1	0	2	7	19	3	0	0	0	0	0	0	0	6	4	8	13	0	2	13	15	1	1	1	4	3	9	6	3	3
		21	1005.7	-	10.8	1.4	10.8	83	5.1	0	6	8	15	2	0	0	0	0	0	0	1	4	4	11	11	0	2	12	16	1	1	2	2	4	11	7	3	0
LOSSIEMOUTH	6	3	1005.5	-	9.2	1.2	9.9	85	5.5	0	4	8	16	3	0	0	0	0	0	0	0	4	5	8	14	0	0	10	20	1	1	0	4	7	8	6	3	1
		9	1005.4	-	10.9	1.5	10.7	82	6.2	0	1	5	22	3	0	0	0	0	0	0	0	3	3	7	18	0	1	10	20	0	0	1	6	5	7	9	3	0
		15	1005.0	-	13.1	2.3	11.3	75	6.4	0	1	6	21	3	0	0	0	0	0	0	0	4	6	8	13	0	2	17	11	1	0	1	6	5	8	5	3	2
		21	1005.6	-	10.1	1.2	10.5	85	5.0	1	4	8	15	3	0	0	0	0	0	0	1	6	2	12	10	0	1	12	17	1	0	1	6	6	7	7	3	0
TAYSIDE																																										
USAN	35	9	1007.4	-	10.8	1.0	11.4	88	6.1	0	3	5	12	7	4	2	0	1	2	0	1	2	4	7	12	0	5	9	14	3	0	1	1	3	12	4	5	2
		15	1007.2	-	12.1	1.7	11.3	80	5.5	0	3	10	10	6	2	1	0	0	1	3	2	2	0	5	8	11	1	4	12	12	2	0	1	3	3	14	5	3	0
		21	1007.8	-	10.7	1.0	11.3	88	5.8	1	3	6	8	11	2	1	0	1	0	1	2	0	5	5	16	0	5	11	11	4	1	1	0	4	11	6	4	0
FIFE																																										
LEUCHARS	12	3	1007.2	-	9.4	1.0	10.5	88	5.5	0	5	9	7	9	1	0	1	1	3	0	1	5	2	12	6	0	1	13	11	6	2	5	1	1	3	10	3	0
		9	1007.4	- 4.7	10.9	1.2	11.1	85	6.0	0	5	3	13	10	0	0	0	0	2	1	3	4	4	9	8	0	2	14	13	2	1	4	3	1	3	12	4	1
		15	1007.1	-	12.5	2.1	11.1	76	5.9	0	1	10	14	6	0	0	0	0	0	2	5	4	3	12	5	0	2	15	14	0	0	6	5	2	5	7	5	1
		21	1007.8	-	10.3	1.1	10.9	86	6.1	1	4	2	12	11	1	0	0	0	4	0	1	7	3	11	5	0	0	16	12	3	1	4	3	2	2	10	5	1
LOTHIAN																																										
TURNHOUSE	44	3	1007.5	-	9.7	0.8	10.9	89	5.6	0	7	5	10	6	3	0	0	3	0	2	0	1	5	1	20	1	0	1	11	15	4	0	1	7	0	4	11	3	1
		9	1007.8	- 4.9	10.9	1.1	11.2	86	6.3	0	2	6	14	8	1	0	0	0	2	2	2	4	5	14	2	0	2	14	12	3	0	4	3	1	2	12	6	0
		15	1007.3	-	13.1	2.1	11.5	76	5.8	0	1	10	15	5	0	0	0	0	1	0	2	3	5	11	5	0	2	16	13	0	1	7	3	1	5	8	5	1
		21	1008.1	-	10.6	1.1	11.1	86	5.9	0	6	2	14	7	2	0	0	1	1	0	1	5	7	15	1	0	1	10	20	0	0	4	4	2	3	10	7	1
6 SCOTLAND W STRATHCLYDE																																										
ABBOTSINCH	9	3	1007.0	-	10.3	0.9	11.2	88	6.6	0	2	3	14	12	0	0	0	0	0	2	2	5	11	11	0	0	0	10	20	1	0	3	8	2	6	7	4	0
		9	1007.3	- 5.0	10.9	1.1	11.3	87	6.5	0	2	4	17	8	0	0	0	0	2	2	2	6	10	7	2	0	2	8	19	2	0	1	9	1	4	9	4	1
		15	1006.8	-	13.3	2.0	11.8	77	5.8	0	3	6	18	4	0	0	0	0	0	2	4	6	11	6	6	0	3	13	14	1	1	3	4	2	9	4	7	0
		21	1007.5	-	10.8	1.1	11.3	86	5.5	2	6	3	8	12	0	0	0	0	0	1	4	6	12	7	1	0	0	10	21	0	0	3	7	1	7	6	7	0
GLASGOW WEATHER CENTRE	17 (X)	3	1007.5	-	-	-	-	-	6.7	0	2	2	15	12	0	0	0	0	1	1	2	4	7	9	11	0	0	0	3	26	2	0	2	6	5	2	11	3	2	0
		9	1007.8	-	11.1	1.4	11.0	83	6.7	0	1	4	16	10	0	0	0	0	0	0	1	4	6	10	10	1	0	0	4	27	0	2	2	6	4	2	11	5	1	0
		15	1007.3	-	13.5	2.5	11.2	72	5.6	1	2	10	13	5	0	0	0	0	0	0	1	7	10	8	5	0	0	0	8	22	1	2	3	4	2	10	5	3	1
		21	1008.0	-	11.3	1.5	11.0	82	5.6	0	7	3	10	11	0	0	0	0	0	0	1	3	8	7	11	1	0	0	5	26	0	0	4	6	3	11	5	2	0
MACHRIHANISH	14	3	1005.8	-	11.3	1.0	11.8	87	6.3	0	0	10	10	11	0	0	0	0	0	0	2	4	5	18	2	2	6	18	5	0	0	1	3	9	8	3	5	2
		9	1006.2	-	11.7	1.2	11.9	86	6.5	0	1	4	17	9	0	0	0	0	0	0	3	4	11	10	3	0	11	16	4	0	0	2	9	9	3	5	2	4
		15	1006.0	-	12.9	1.6	12.2	82	6.4	0	1	6	17	7	0	0	0	0	0	0	2	7	12	8	2	1	7	23	0	0	1	0	4	6	17	3	4	3
		21	1006.8	-	11.5	1.2	11.7	86	6.3	0	2	6	15	8	0	0	0	0	0	0	1	6	6	16	2	1	5	20	5	0	0	0	5	6	9	4	4	3
PRESTWICK	21	3	1007.3	-	10.5	1.0	11.2	87	6.2	1	4	1	14	11	0	0	0	0	0	0	1	7	7	16	0	0	4	11	16	0	0	3	4	5	7	6	4	2
		9	1007.7	- 5.1	11.4	1.4	11.3	83	6.2	0	3	4	20	4	0	0	0	0	0	0	1	5	11	12	2	0	1	18	12	0	0	2	5	4	8	5	3	4
		15	1007.3	-	13.6	2.4	11.5	74	6.0	0	2	7	16	6	0	0	0	0	0	0	0	6	8	13	4	0	1	20	10	0	0	1	2	4	12	4	4	4
		21	1008.1	-	10.9	1.1	11.3	86	5.4	1	4	7	11	8	0	0	0	0	0	0	0	12	10	9	0	0	4	11	16	0	0	1	5	6	6	6	4	3
RHUVAAL	19	3	1005.5	-	11.2	1.0	11.7	88	6.7	0	2	2	11	16	0	0	0	0	0	0	0	1	7	17	6	0	9	13	9	0	0	2	1	3	17	3	2	3
		9	1005.7	-	11.7	1.3	11.6	84	6.3	0	0	10	10	11	0	0	0	0	0	0	0	2	6	20	3	0	12	14	5	0	0	3	0	8	11	4	0	5
		15	1005.5	-	12.7	1.6	11.9	81	6.5	0	0	6	20	5	0	0	0	0	0	0	0	1	6	16	6	1	9	15	6	0	1	1	1	4	14	2	4	4
		21	1006.4	-	11.5	1.2	11.7	85	5.7	0	6	7	7	11	0	0	0	0	0	0	0	1	8	16	6	0	8	13	10	0	0	1	0	4	16	4	5	3

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

OCTOBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT							VISIBILITY								WIND SPEED AND DIRECTION																
									OKTAS															BEAUFORT FORCE						SPEED (KT)										
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	8 OR MORE	6-7	4-5	1-3	CALM	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
			NUMBER OF OBSERVATIONS																																					
6 SCOTLAND W-CONTD. STRATHCLYDE -CONTD.																																								
SLOY	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	10.3	1.2	10.8	85	7.1	0	0	5	8	18	0	0	0	0	0	0	0	0	16	15	0	0	0	3	25	3	0	0	2	4	7	6	4	5
		15	-	-	12.3	1.8	11.4	79	6.6	0	0	7	10	14	0	0	0	0	0	0	0	0	14	17	0	0	0	3	28	0	1	0	1	5	11	7	5	1
		21	-	-	10.6	1.2	11.0	85	6.2	1	3	4	6	17	0	0	0	0	0	0	0	1	13	17	0	0	0	1	26	4	2	0	1	2	6	6	4	6
TIREE	10	3	1004.1	-	11.3	0.8	12.1	90	6.6	0	2	5	9	15	0	0	0	0	0	0	1	8	10	9	3	2	12	15	2	0	0	2	0	8	10	6	3	2
		9	1004.5	- 6.5	11.4	0.9	12.0	89	6.7	0	1	4	15	11	0	0	0	0	0	0	0	14	6	9	2	1	13	14	3	0	2	2	0	7	9	6	3	2
		15	1004.3	-	12.4	1.3	12.2	84	6.4	0	1	8	10	12	0	0	0	0	0	0	1	6	11	8	5	2	10	18	1	0	2	0	1	7	10	5	3	3
		21	1004.9	-	11.4	0.9	12.0	88	6.3	0	0	10	11	10	0	0	0	0	0	0	0	10	12	6	3	0	12	16	3	0	0	1	0	11	8	5	3	3
DUMFRIES & GALLOWAY																																								
ESKDALEMUIR	237	3	1008.7	-	7.8	0.6	10.0	93	5.6	2	4	3	11	11	0	0	0	1	0	0	1	10	6	11	2	0	0	9	16	6	2	1	1	1	15	0	3	2
		9	1008.9	- 4.6	9.3	0.7	10.8	91	6.2	0	3	5	14	9	0	0	0	0	0	0	2	9	11	7	2	0	2	7	22	0	6	0	1	6	10	3	4	1
		15	1008.3	-	11.7	1.7	11.2	81	6.1	0	2	8	13	8	0	0	0	0	0	0	1	2	10	15	3	1	2	12	16	0	0	1	1	9	13	3	4	0
		21	1009.2	-	8.7	0.7	10.4	91	5.1	2	7	4	9	9	0	0	0	0	0	1	2	9	7	8	4	0	3	9	15	4	2	1	0	3	9	6	3	3
2 ENGLAND E & NE NORTHUMBERLAND																																								
BOULMER	27	3	1008.8	-	9.2	0.6	10.9	93	4.6	3	8	3	9	7	1	0	0	1	3	2	6	0	6	5	8	0	0	10	18	3	0	1	0	1	19	1	6	0
		9	1009.1	-	10.6	0.8	11.6	90	6.0	0	3	7	14	7	0	0	0	0	2	4	6	2	8	6	3	0	0	12	18	1	0	1	1	3	16	5	3	1
		15	1008.8	-	12.6	1.5	12.1	83	5.9	1	3	5	14	7	1	0	1	0	1	3	6	1	7	5	7	0	0	15	16	0	0	1	0	10	10	7	2	1
		21	1009.4	-	10.3	0.7	11.6	92	5.5	3	4	6	3	14	1	0	1	2	1	2	4	4	5	8	4	0	0	12	19	0	0	1	2	6	12	5	5	0
SEAHOUSES	12	3	1008.4	-	-	-	-	-	4.5	3	10	4	6	7	1	0	1	0	0	2	4	4	3	17	0	0	2	8	21	0	0	0	0	1	0	18	4	7	1
		9	1008.6	-	-	-	-	-	6.1	0	3	6	14	7	1	0	0	0	2	7	0	3	6	12	1	0	0	16	15	0	0	0	2	2	16	6	4	1
		15	1008.4	-	-	-	-	-	6.1	0	2	7	16	4	2	0	2	0	1	4	3	2	4	12	3	0	1	11	19	0	1	0	3	0	15	6	5	1
		21	1008.9	-	-	-	-	-	4.9	3	5	7	7	7	2	0	0	1	1	3	2	6	2	16	0	0	3	8	20	0	0	0	1	2	16	5	7	0
TYNE & WEAR																																								
NEWCASTLE WEATHER CENTRE	72 (X)	3	1009.7	-	10.2	1.0	10.9	86	4.9	5	6	2	7	11	0	0	0	0	1	2	6	5	6	10	1	0	0	6	24	1	0	0	1	3	12	8	6	0
		9	1010.1	-	10.7	1.1	11.1	86	5.9	0	4	6	8	12	1	0	1	1	2	0	7	6	5	7	2	0	0	4	26	1	0	0	1	3	16	3	6	1
		15	1009.6	-	13.2	2.3	11.3	74	6.0	0	4	5	15	7	0	0	0	0	1	2	5	5	4	10	4	0	0	7	23	1	0	0	1	2	13	6	7	1
		21	1010.2	-	11.1	1.2	11.4	85	6.1	2	4	3	6	16	0	0	0	1	1	3	4	6	12	4	0	0	0	4	27	0	0	1	1	3	14	5	7	0
TYNEMOUTH	40	3	1010.1	-	10.4	0.9	11.3	88	4.2	10	2	4	6	9	0	0	0	0	0	1	6	4	13	7	0	0	2	10	19	0	0	0	0	2	22	0	6	0
		9	1010.3	- 3.6	10.8	0.9	11.5	88	6.1	0	3	6	12	8	2	2	0	0	0	3	7	2	14	3	0	0	3	9	18	1	0	0	1	1	22	0	5	1
		15	1009.9	-	12.9	2.0	11.6	78	6.0	1	3	5	12	9	1	0	1	0	1	5	3	2	12	7	0	0	2	17	12	0	1	1	1	3	17	1	7	0
		21	1010.4	-	11.4	1.1	11.7	86	5.2	3	5	5	7	10	1	0	0	0	1	1	6	3	17	3	0	1	2	12	16	0	0	1	1	1	18	2	8	0
NORTH YORKSHIRE																																								
LEEMING	33	3	1010.7	-	9.5	0.8	10.9	90	5.1	4	4	6	6	8	3	0	2	0	4	3	2	5	3	7	5	0	0	8	22	1	1	0	2	8	12	3	4	0
		9	1011.0	- 3.6	10.4	0.9	11.2	88	6.1	0	5	3	10	8	5	0	1	2	4	4	1	3	7	6	3	0	1	11	18	1	1	0	1	8	14	2	2	0
		15	1010.4	-	13.2	2.2	11.4	75	6.2	0	2	7	11	11	0	0	0	0	0	3	1	2	7	6	8	0	1	13	17	0	2	1	0	3	14	5	6	0
		21	1011.2	-	10.7	1.0	11.4	87	5.9	3	3	3	9	11	2	0	0	0	2	4	1	1	3	9	5	6	0	0	6	25	0	0	1	2	8	11	6	2	1
WHITBY C.G.	66	3	1010.9	-	10.2	0.5	11.7	93	4.5	4	7	5	3	9	3	0	0	0	2	0	4	4	8	5	8	0	2	7	19	3	0	0	2	2	13	6	5	0
		9	1011.1	-	11.0	0.6	12.1	92	5.5	1	3	8	13	4	2	0	1	1	2	2	2	8	7	5	3	1	2	13	13	2	0	0	2	1	14	4	2	2
		15	1010.7	-	13.4	1.3	13.2	85	5.6	0	5	6	10	9	1	0	0	0	1	1	3	7	8	5	6	1	2	16	12	0	0	0	2	2	16	7	2	2
		21	1011.2	-	11.1	0.7	12.1	91	4.5	2	7	8	6	7	1	0	0	0	1	3	2	6	4	11	4	0	3	11	15	2	0	0	3	4	16	5	2	0
HUMBERSIDE																																								
SPURN POINT	20	3	1011.8	-	11.2	0.8	12.0	90	4.6	7	5	3	3	10	3	0	1	0	2	1	2	4	14	7	0	0	2	17	11	1	0	0	1	6	11	7	5	0
		9	1012.3	-	11.4	0.9	12.0	88	5.2	0	5	8	13	1	4	1	2	0	2	3	0	6	13	4	0	0	2	12	17	0	0	0	2	8	9	7	3	2
		15	1011.9	-	13.5	2.1	11.9	77	6.3	0	2	8	9	9	3	0	1	0	2	1	4	2	14	7	0	0	1	17	12	1	1	0	3	6	10	6	4	0
		21	1012.5	-	11.8	1.0	12.1	87	4.1	8	7	2	5	8	1	0	1	0	0	0	2	8	16	4	0	0	1	15	15	0	0	0	2	7	13	4	5	0
LINCOLNSHIRE																																								
BINBROOK	112	3	1011.9	-	9.4	0.5	11.1	93	4.5	4	7	5	5	8	2	1	2	0	1	4	5	6	7	5	0	0	1	13	17	0	0	0	2	3	13	8	5	0
		9	1012.4	-	10.5	0.7	11.6	91	5.5	0	7	3	14	3	4	0	0	0	1	0	4	8	7	7	0	0	0	12	19	0	0	0	1	6	11	10	2	1
		15	1011.7	-	13.1	2.0	11.7	77	6.1	0	3	7	13	7	1	0	0	1	0	0	3	8	6	8	5	0	0	2	11	18	0	0	0	3	5	7	11	4	1
		21	1012.5	-	10.5	0.8	11.5	90	5.2	1	7	5	9	7	2	0	2	0	1	3	7	2	9	7	0	0	0	11	20	0	0	0	0	3	3	14	6	5	0
WADDINGTON	70	3	1012.2	-	9.6	0.6	11.1	92	5.5	4	1	7	8	6	5	0	4	2	1	3	1	8	6	5	1	0	1	8	22	0	0	0	0	6	6	7	8	4	0
		9	1012.6	- 2.8	10.8	0.9	11.5	88	5.6	0	5	7	12	2	5	0	5	0	0	2	2	5	9	7	1	0	1	14	16	0	0	0	2	8	11	5	4	1
		15	1011.8	-	13.7	2.4	11.6	73	6.1	1	3	5	12	9	1	0	1	0	0	1	2	6	6	6	9	0	1	18	12	0	1	0	4	5	8	9	4	0
		21	1012.6	-	10.7	0.8	11.6	89	5.3	2	5	7	7	8	2	0	2	0	1	3	2	4	11	8	0	0	0	11	20	0	0	0	4	8	9	7	3	0
3 EAST ANGLIA NORFOLK																																								
COLTISHALL	17	3	1013.4	-	9.7	0.5	11.3	93	4.6	4	5	9	4	5	4	0	5	3	0	3	3	6	7	4	0	0	0	6	23	2	0	0	6	3	8	7	5	0
		9	1013.9	-	11.9	0.9	12.4	89	5.2	2	6	3	15	4	1	0	2	0	0	3	4	15	3	3	1	0	1	9	21	0	0	0	3	7	5	11	3	2
		15	1013.1	-	14.9	2.8	11.9	70	5.7	0	4	6	18	3	0	0	0	0	0	4	7	6	10	4	0	0	1	16	14	0	0	0	0	7	8	9	5	2
		21	1014.1	-	10.9	0.8	11.8	90	4.9	4	6	3	8	8	2	0	4	1	0	2	3	5	9	7	0	0	0	5	25	1	0	0	3	4	13	5	5	0
MARHAM	24	3	1013.1	-	9.8	0.4	11.6	95	4.6	5	4	8	6	4	4	0	3	1	2	2	5	10	1	6	1	0	0	6	25	0	0	0	0	13	9	4	4	1
		9	1013.5	- 2.5	11.6	0.7	12.5	91	5.8	1	3	5	14	6	2	0	2	0	1	1	4	15	2	5	1	0	1	9	21	0	0	0	2	8	11	7	2	1
		15	1012.6	-	15.3	2.9	12.1	69	5.5	1	5	7	13	5	0	0	0	0	0	1	8	4	9	9	0	1	18	12	0	1	0	1	6	9	7	6	1	0
		21	1013.7	-	10.9	0.7	12.0	91	4.5	4	8	4	6	9	0	0	0	0	2	2	4	6	7	9	1	0	0	8	23	0	0	0	1	8	12	7	3	0
CAMBRIDGESHIRE																																								
WITTERING	76	3	1013.0	-	9.4	0.4	11.2	94	4.9	4	4	8	5	5	5	2	4	1	0	2	3	6	7	4	2	0	0	6	25	0	0	0	4	5	10	6	6	0
		9	1013.5	- 2.4	10.7	0.7	11.8	91	5.7	1	5	3	13	4	5	0	5	2	1	0	2	5	7	5	3	0	1	9	21	0	0	0	2	7	11	7	4	0
		15	1012.6	-	14.2	2.4	12.1	74	6.0	1	1	8	13	7	1	0	0	0	1	0	2	5	3	15	5	0	0	13	18	0	0	0	4	3	11	9	3	1
		21	1013.5	-	10.7	0.7	11.7	90	5.0	2	7	6	4	10	2	0	2	0	1	2	1	7	8	9	1	0	0	6	25	0	0	1	4	4	10	7	4	1
WYTON	43	3	1013.1	-	10.1	0.6	11.5	92	4.8	3	8	1	14	1	4	1	3	3	1	0	2	10	4	6	1	0	1	5	25	0	0	0	4	7	8	6	6	0
		9	1013.7	-	11.0	0.8	11.8	90	6.1	1	2	5	15	5	3	0	3	1	0	3	4	7	5	6	2	0	0	10	21	0	0	0	5	5	10	8	3	0
		15	1012.6	-	15.1	2.8	12.2	70	5.5	1	3	8	13	6	0	0	0	0	0	2	6	6	10	7	0	0	0	13	18	0	1	1	1	2	10	11	4	1
		21	1013.7	-	11.5	1.0	12.0	87	4.6	3	7	6	8	6	1	0	1	0	1	2	2	6	7	9	3	0	0	8	23	0	1	0	3	4	12	7	4	0
SUFFOLK																																								
ALDEBURGH	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1015.0	-	-	-	-	-	3.5	15	0	4	4	8	0	0	0	0	0	1	2	5	23	0	0	0	3	12	14	2	0	0	1	4	8	11	5	0
HONINGTON	51	3	1013.5	-	10.0	0.6	11.5	93	4.5	6	4	6	8	3	4	0	5	0	1	1	8	6	6	3	1	0	0	6	23	2	0	0	0	8	3	7	6	0
		9	1014.0	-	11.6	0.9	12.2	89	5.5	1	4	7	12	4	3	0	3	0	0	2	3	15	3	3	2	0	0	9	22	0	0	0	0	5	6	11	4	5	0
		15	1013.1	-	15.1	3.2	11.4	66	5.1	0	9	4	13	5	0	0	0	0	0	0	1	9	4	10	7	0	0	0	15	16	0	0	0	2	5	12	9	2	1
		21	1014.2	-	11.0	0.9	11.8	89	4.9	4	6	4	8	7	2	0	2	0	2	1	2	11	7	6	0	0	0	7	23	1	0	0	0	4	5	13	6	2	0
WATTISHAM	91	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1014.1	-	11.7	0.5	12.9	93	5.2	0	6	9	10	5	1	0	2	0	2	2	4	9	10	2	0	0	2	7	22	0	0	1	3	5	9	7	5	1
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BEDFORDSHIRE																																								
CARDINGTON	30	3	1013.4	-	9.7	0.4	11.6	95	5.2	3	5	3	13	3	4	0	4	2	3	0	2	4	10	5	1	0	0	7	23	1	0	0	5	4	9	6	6	0
		9	1013.9	- 2.4	11.4	0.6	12.6	93	6.4	0	3	2	12	8	4	0	3	1	1	2	0	8	10	4	2	0	1	8	22	0	0	0	4	3	6	14	4	0
		15	1012.9	-	15.0	2.3	13.0	76	5.9	0	3	8	14	6	0	0	0	0	0	0	1	7	16	5	2	0	1	14	16	0	0	0	1	1	4	10	10	4	1
		21	1013.9	-	11.0	0.5	12.4	94	4.3	5	6	5	7	8	0	0	1	0	1	0	1	6	15	7	0	0	0	7	24	0	0	0	4	4	11	7	4	1

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

OCTOBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: DEPRESSION OF WET BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: VAPOUR PRESSURE (MB)	MEAN TEMPERATURE AND HUMIDITY: RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	CLOUD AMOUNT OKTAS: NUMBER OF OBSERVATIONS: 0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: NUMBER OF OBSERVATIONS: 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE: 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT): 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
3 EAST ANGLIA -CONTD.																																										
ESSEX																																										
SHOEBURYNESS	5	9	1014.6	- 2.1	12.8	1.1	12.9	87	5.6	0	5	8	12	5	1	0	2	0	0	0	5	5	9	8	2	0	1	8	21	1	1	0	1	5	6	8	8	3	3
		15	1013.7	-	15.3	2.4	12.9	74	4.6	2	6	8	14	1	0	0	0	0	1	0	1	3	5	3	13	7	0	1	15	15	0	0	0	3	2	12	7	4	1
		21	1014.7	-	12.4	0.9	12.9	89	4.2	4	8	6	10	3	0	0	0	0	1	0	2	1	5	6	9	7	0	0	8	23	0	0	0	1	3	5	8	5	1
STANSTED	102	3	1013.7	-	9.8	0.4	11.6	96	4.6	5	6	3	8	5	4	0	4	3	0	3	4	6	7	2	2	0	0	0	3	27	1	0	0	0	5	5	8	6	4	2
		9	1014.3	- 2.2	11.4	0.7	12.3	91	5.7	1	3	5	15	4	3	1	1	0	2	0	3	8	8	3	7	2	0	0	8	23	0	0	0	0	2	6	7	11	3	2
		15	1013.1	-	14.8	2.5	12.3	73	5.1	2	5	6	14	4	0	0	1	0	3	0	0	1	8	7	7	1	0	1	13	17	0	0	0	0	0	6	11	5	6	3
		21	1014.3	-	11.0	0.7	12.1	92	4.6	5	4	6	10	5	1	0	1	0	3	0	0	1	11	7	7	1	0	0	3	28	0	0	0	0	1	7	11	7	4	1
4 MIDLAND COUNTIES																																										
WEST YORKSHIRE																																										
HUDDERSFIELD	235	3	1010.9	-	8.2	0.4	10.4	94	6.0	5	1	1	9	11	4	0	7	0	1	0	0	3	2	7	12	0	1	3	5	17	5	0	1	0	1	4	5	6	7	3
OAKES		9	1011.6	-	9.9	0.5	11.4	93	6.5	0	1	6	10	10	4	0	5	1	2	0	0	3	4	7	9	0	1	0	10	11	9	0	0	1	1	12	2	5	3	1
		15	1011.2	-	11.9	1.1	12.2	87	6.5	0	1	4	17	8	1	0	2	1	0	4	2	4	3	15	0	0	0	3	10	15	3	0	0	0	1	3	11	8	3	2
		21	1011.5	-	9.7	0.5	11.4	94	5.8	2	2	6	10	10	1	1	2	0	1	2	1	2	5	16	1	0	1	9	11	10	0	0	0	0	2	8	6	3	3	2
WILSDEN	267	3	1011.2	-	8.8	0.6	10.6	92	5.1	1	6	9	3	6	6	0	6	0	0	1	3	6	17	1	0	0	0	10	17	4	0	0	0	2	4	4	12	5	0	1
		9	1011.4	-	9.3	0.7	10.8	91	6.1	0	4	6	6	7	8	0	5	0	3	0	2	2	10	5	7	0	0	1	13	16	1	0	0	0	3	7	7	7	5	1
		15	1010.9	-	11.4	1.4	11.2	83	6.2	0	2	7	8	9	5	0	2	2	2	1	1	6	8	7	0	0	0	1	14	16	0	1	0	0	4	5	8	7	7	0
		21	1011.6	-	9.8	0.8	11.0	90	5.5	2	5	5	7	7	5	0	2	3	0	1	1	5	19	0	0	0	0	1	11	18	1	0	0	0	4	5	7	6	8	0
SOUTH YORKSHIRE																																										
FINNINGLEY	15	3	1011.6	-	9.1	0.6	10.8	93	5.0	2	6	7	9	5	2	0	2	1	3	3	4	5	5	6	2	0	0	0	6	25	0	0	0	0	5	6	12	3	5	0
		9	1012.0	- 3.2	10.9	0.9	11.7	89	5.7	0	7	3	12	3	6	0	5	1	1	0	3	7	9	3	2	0	0	0	10	21	0	0	0	0	2	7	12	6	3	1
		15	1011.4	-	13.8	2.2	11.9	75	6.3	1	1	5	13	9	2	0	0	1	1	0	4	3	10	6	6	0	0	0	10	21	0	1	0	0	4	4	10	7	4	1
		21	1012.1	-	10.5	0.8	11.4	89	4.8	1	12	1	5	10	2	0	2	0	2	3	1	10	4	8	1	0	0	4	26	1	0	1	5	4	12	4	4	0		
NOTTINGHAMSHIRE																																										
WATNALL	119	3	1012.2	-	9.5	0.5	11.3	94	5.1	4	4	5	5	10	3	0	4	0	1	2	5	4	10	5	0	0	1	4	24	2	0	2	4	5	4	10	4	0		
		9	1012.7	- 2.7	10.4	0.7	11.6	91	6.3	0	3	3	13	6	6	0	5	0	2	0	1	11	3	5	1	0	0	8	23	0	0	0	7	1	11	8	4	0		
		15	1011.9	-	13.3	1.8	12.2	80	5.9	1	4	6	9	10	1	0	1	0	1	1	1	11	4	11	2	0	0	0	10	21	0	0	1	5	2	8	11	3	1	0
		21	1012.7	-	10.6	0.7	11.9	92	5.4	3	6	1	9	11	1	0	1	1	0	1	7	8	8	5	0	0	0	6	24	1	0	1	3	5	10	8	3	0		
SALOP																																										
SHAWBURY	76	3	1011.4	-	10.0	0.7	11.4	91	6.1	0	4	6	7	12	2	0	2	0	2	1	1	5	10	9	1	0	0	6	25	0	0	0	6	7	11	3	3	1		
		9	1012.0	- 3.5	11.0	0.9	11.7	89	6.2	0	2	6	13	8	2	0	1	0	3	0	2	3	4	4	12	2	0	0	8	23	0	0	0	8	4	13	3	2	1	
		15	1011.1	-	13.6	1.8	12.5	80	6.1	0	2	6	18	5	0	0	0	0	2	2	2	3	3	3	15	3	0	0	14	17	0	1	0	4	3	14	4	3	2	1
		21	1011.8	-	10.7	0.8	11.8	91	5.3	0	7	8	6	10	0	0	0	0	2	2	2	3	3	1	1	0	0	3	28	0	1	0	5	5	12	6	1	1		
WEST MIDLANDS																																									
EDGBASTON	165	9	1012.8	- 3.2	10.1	0.8	11.1	89	6.4	0	3	3	14	6	5	0	4	1	1	0	2	4	7	8	4	2	0	0	8	22	1	0	0	1	2	6	15	4	5	0
		15	1011.8	-	13.4	2.3	11.4	74	6.2	0	4	1	19	7	0	0	0	1	0	0	2	2	9	6	10	4	0	0	9	22	0	0	0	2	3	15	4	4	1	0
		21	1012.7	-	11.1	1.0	11.7	87	4.9	3	6	5	10	5	2	0	1	1	0	0	2	9	12	5	1	0	0	4	26	1	0	0	3	4	12	6	5	0		
ELMDON	100	3	1012.4	-	9.5	0.7	10.9	91	4.8	3	6	6	4	9	3	1	2	1	1	2	1	5	11	5	2	0	0	6	23	2	0	0	2	9	11	3	4	1		
		9	1012.9	- 3.1	10.7	1.0	11.3	88	5.9	0	6	3	13	5	4	0	3	1	1	0	1	2	6	11	5	1	0	0	10	21	0	0	0	2	10	10	3	4	1	
		15	1011.9	-	13.9	2.5	11.6	73	5.9	0	3	6	16	6	0	0	0	0	2	1	0	1	8	7	11	4	0	1	12	18	0	0	1	1	6	13	5	4	1	0
		21	1012.7	-	10.7	0.8	11.6	89	4.7	2	7	6	9	5	2	0	1	1	1	0	3	7	10	6	2	0	0	5	25	1	0	0	4	6	12	4	4	0		
HEREFORD & WORCESTER																																									
PERSHORE																																									
GLOUCESTER					REPORTS TERMINATED																																					
INNSWORTH	24	3	1012.2	-	10.5	0.7	11.8	91	4.9	4	5	5	8	8	1	0	2	1	1	0	1	3	15	7	1	0	1	4	22	4	0	1	3	3	13	3	4	0		
		9	1012.9	-	11.9	1.0	12.3	87	5.7	0	5	5	15	6	0	0	1	0	1	0	2	6	12	5	4	0	0	0	7	22	2	0	1	4	3	12	7	4	2	0
		15	1011.9	-	14.7	2.1	13.0	77	6.1	1	3	4	15	8	0	0	0	0	0	0	1	3	6	11	4	0	0	0	8	23	0	0	1	1	4	14	7	2	1	0
		21	1012.7	-	12.1	1.0	12.5	87	4.7	3	5	9	11	3	0	0	0	0	0	0	2	1	7	14	7	0	0	0	3	26	2	1	0	3	5	15	3	2	0	
OXFORDSHIRE																																									
BENSON	74	3	1013.4	-	10.7	0.7	11.8	91	4.5	6	5	4	10	6	0	0	0	0	0	3	2	2	6	7	8	3	0	1	5	17	8	0	0	2	4	10	0	6	1	0
		9	1014.0	-	11.5	1.0	12.0	88	5.9	0	5	3	15	8	0	0	0	1	0	3	2	3	4	6	9	3	0	0	7	21	3	0	0	2	3	14	2	3	0	1
		15	1013.0	-	14.6	2.2	12.7	76	5.8	2	3	2	18	6	0	0	0	0	0	3	3	8	6	5	8	7	0	0	14	17	3	0	0	2	4	13	5	3	1	0
		21	1013.9	-	11.6	0.8	12.4	89	4.6	5	6	3	11	6	0	0	0	0	0	2	3	3	6	5	12	3	0	0	3	26	2	0	0	4	7	12	5	1	0	
BRIZE NORTON	92	3	1013.0	-	9.4	0.6	11.0	93	5.2	5	3	3	11	4	5	0	6	1	0	2	3	2	5	7	5	3	0	1	4	21	5	1	0	1	5	8	4	6	4	0
		9	1013.6	-	10.6	0.8	11.6	90	5.9	1	4	5	10	6	0	0	4	0	2	0	2	2	7	5	3	8	4	0	0	10	20	0	0	1	4	8	4	5	4	0
		15	1012.6	-	14.0	2.2	12.1	75	6.2	2	1	4	16	8	0	0	0	1	0	2	0	1	4	3	12	7	0	0	12	19	0	0	0	4	5	12	7	4	4	2
		21	1013.5	-	10.6	0.8	11.7	90	4.4	6	6	3	8	8	0	0	0	0	2	1	3	4	6	13	2	0	0	3	26	2	0	0	4	5	0	10	8	1	1	
5 ENGLAND SE & CENT. S.																																									
GREATER LONDON																																									
HEATHROW	26	3	1013.8	-	10.7	0.6	12.0	93	4.3	4	7	6	12	1	1	0	2	0	4	0	2	7	9	5	9	0	0	0	3	27	1	2	2	4	4	10	3	4	1	
		9	1014.4	- 2.2	12.1	0.9	12.6	89	5.6	0	7	4	12	6	2	0	2	0	1	0	1	7	5	7	8	0	0	0	6	24	1	0	0	3	3	12	3	4	1	0
		15	1013.4	-	15.2	2.5	12.8	73	5.2	1	5	5	17	3	0	0	0	0	0	0	1	2	7	5	15	2	0	0	1	23	0	0	0	1	3	15	3	5	1	0
		21	1014.4	-	12.1	1.0	12.6	88	4.1	5	8	5	8	5	0	0	0	0	0	1	3	10	8	9	0	0	0	0	3	28	0	0	0	0	0	9	5	9	7	1	0
KEW	10	3	1013.6	-	9.6	0.9	10.9	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1014.2	- 2.5	12.1	1.4	12.0	85	5.9	0	5	4	13	7	2	0	2	0	1	3	2	1	7	5	9	2	0	0	4	25	2	0	0	1	7	1	13	5	3	0
		15	1013.3	-	15.2	3.2	12.1	69	5.1	2	6	3	18	2	0	0	0	0	0	1	0	1	6	9	9	3	0	0	8	23	0	0	0	1	3	13	7	3	1	0
		21	1014.3	-	10.8	1.1	11.5	88	4.1	5	8	2	11	5	0	0	2	0	3	0	0	6	7	13	0	0	0	0	2	24	5	0	0	1	2	3	11	9	1	0
LONDON	24	3	1013.6	-	12.0	1.1	12.3	87	4.7	6	5	2	12	4	2	0	0	2	1	1	3	6	6	12	0	0	0	0	6	25	0	0	0	5	3	3	10	6	3	1
WEATHER CENTRE (X)		9	1014.2	-	12.9	1.6	12.2	82	5.5	0	5	7	13	4	2	0	1	0	1	0	0	2	11	10	4	0	0	0	9	22	0	0	1	4	4	1	10	7	4	0
		15	1013.3	-	15.7	3.1	12.2	68	5.3	3	3	7	15	3	0	0	0	0	0	0	1	2	5	7	14	3	0	0	1	17	0	0	2	1	5	11	5	6	3	0
		21	1014.3	-	13.2	1.6	12.5	82	4.4	7	4	4	12	4	0	0	0	0	0	1	2	4	12	12	0	0	0	0	5	26	0	0	2	2	5	11	8	3	0	
WILTSHIRE																																									
BOSCOMBE DOWN	128	3	1013.3	-	9.5	0.4	11.3	94	5.1	6	2	4	9	7	3	0	3	2	0	3	3	4	9	7	3	0	1	6	24	0	0	0	8	5	9	1	6	4	2	
		9	1013.8	- 3.2	10.9	0.6	12.1	92	5.8	1	4	4	15	5	2	0	3	1	0	3	3	5	4	5	7	0	0	0	13	17	1	0	1	0	8	11	1	4	2	1
		15	1012.7	-	14.1	2.2	12.3	76	5.5	2	4	4	15	6	0	0	0	0	0	0	1	4	7	10	10	0	0	0	20	11	0	0	0	2	6	7	8	3	2	0
		21	1013.9	-	10.5	0.6	11.8	92	5.3	2	7	3	9	9	1	0	1	0	2	0	1	9	4	11	3	0	0	0	3	28	0	0	0	1	6	8	8	6	2	0
LYNEHAM	149	3	1013.1	-	9.9	0.6	11.5	93	4.7	7	4	3	7	10	3	0	2	0	6	1	0	2	3	8	11	2	0	1	6	24	0	0	0	2	4	7	11	5	4	0
		9	1013.6	- 3.0	10.8	0.7	11.9	91	5.8	0	5	6	11	6	2	0	2	0	1	0	1	7	4	11	2	0	0	0	8	23	0	0	1	0	4	5	12	5	4	0
		15	1012.6	-	13.6	2.0	12.3	78	5.8	1	3	7	13	7	0	0	0	0	0	0	1	7	5	11	7	0	0	0	11	20	0	0	0	0	3	11	8	4	0	0
		21	1013.5	-	10.9	0.8	11.9	90	5.1	2	6	3	15	5	0	0	0	0	0	1	4	9	2	13	2	0	0	0	7	24	0	1	0	0	5	3	8	10	8	1	0
UPAVON	183	9	1013.8	-	10.7	0.4	12.2	94	5.9	0	4	4	14	5	4	0	0	4	0	0	3	1	3	6	8	3	0	0	8	21	2	0	0	0	3	9	8	4	4	1
		15	1012.8	-	13.9	1.6	13.1	82	5.8	3	0	6	13	9	0	0	0	1	0	1	1	0	2	7	8	0	0	0	19	11	1	0	0	0	1	9	13	7	4	1
		21	1013.8	-	10.6	0.4	12.2	94	4.9	4	6	4	9	7	1	0	0	1	1	1	0	2	8	5	13	0	0	0	5	26	0	0	0	5	3	13	6	3	1	

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

OCTOBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: DEPRESSION OF WET BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: VAPOUR PRESSURE (MB)	MEAN TEMPERATURE AND HUMIDITY: RELATIVE HUMIDITY (%)	CLOUD AMOUNT (OKTAS): MEAN	CLOUD AMOUNT (OKTAS): NUMBER OF OBSERVATIONS: 0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: NUMBER OF OBSERVATIONS: 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE: 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT): 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
5 ENGLAND SE & CENT. S.			-CONTD.																																							
KENT																																											
DUNGENESS	7	3	1014.4	-	-	-	-	-	3.7	11	3	4	7	6	0	0	0	0	0	1	0	0	0	5	8	17	0	0	1	18	9	3	1	0	2	0	0	5	10	5	8	0
		9	1015.1	-	13.5	1.2	13.4	86	5.7	0	3	9	13	6	0	0	0	0	0	0	3	7	12	9	0	0	0	3	17	10	1	0	0	0	0	5	10	7	5	1
		15	1014.4	-	-	-	-	-	5.0	1	5	9	14	2	0	0	0	0	0	0	0	6	8	16	1	0	0	3	14	12	2	0	0	0	2	5	10	5	6	1
		21	1014.8	-	-	-	-	-	4.0	6	5	10	5	5	0	0	0	0	0	1	1	1	4	9	14	1	0	2	17	10	2	0	0	1	6	10	3	9	0
MANSTON	45	3	1014.4	-	10.8	0.6	12.1	93	4.0	9	3	5	8	6	0	0	1	0	0	0	0	5	6	11	7	1	0	0	6	25	0	0	0	0	1	8	9	10	3	0
		9	1014.9	-	12.9	1.2	12.9	86	5.0	0	8	5	15	3	0	0	0	0	0	0	0	5	9	4	1	0	0	1	12	18	0	0	1	0	2	4	13	4	3	1
		15	1014.2	-	15.1	2.6	12.5	73	4.7	1	9	6	14	1	0	0	0	0	0	0	1	3	7	8	9	6	0	0	16	15	0	0	1	0	2	4	13	4	3	1
		21	1015.1	-	11.8	0.9	12.5	89	4.4	6	5	4	12	4	0	0	0	0	0	0	0	3	9	5	12	2	0	0	12	19	0	0	0	0	2	9	8	9	3	0
HAMPSHIRE																																											
SOUTHAMPTON	9	3	1013.5	-	11.9	0.8	12.6	90	4.1	8	6	2	7	8	0	0	0	0	2	2	1	5	5	16	0	0	0	0	2	28	1	0	5	5	2	7	4	5	2	
WEATHER CENTRE (X)		9	1014.1	-	12.9	1.2	12.9	86	5.6	0	6	5	12	7	1	0	0	0	3	1	2	7	7	10	1	0	0	0	5	25	1	0	0	3	2	8	5	8	1	0
		15	1013.3	-	15.1	2.3	13.0	76	5.3	3	3	7	9	9	0	0	0	0	0	0	1	9	8	11	3	0	0	0	4	27	0	0	0	3	2	7	3	8	1	
		21	1014.1	-	12.8	1.1	13.0	87	5.0	4	4	5	11	7	0	0	0	0	0	0	1	9	5	16	0	0	0	0	2	28	1	0	0	0	9	2	7	3	8	1
WEST SUSSEX																																											
GATWICK	60	3	1014.1	-	9.6	0.4	11.5	96	5.3	4	3	4	12	3	5	0	6	1	6	1	3	2	8	3	1	0	0	0	4	19	8	1	3	4	0	7	6	2	0	
		9	1014.6	- 2.3	11.4	0.7	12.5	92	6.4	0	1	7	14	6	3	0	1	2	1	1	6	8	4	7	1	0	0	0	6	23	2	0	1	2	7	4	11	1	4	1
		15	1013.7	-	14.9	2.4	12.6	74	5.0	2	5	7	14	3	0	0	0	0	0	1	1	3	6	9	4	7	9	1	0	0	14	17	0	0	2	2	5	8	9	4	1	0
		21	1014.8	-	10.8	0.5	12.2	93	4.3	4	7	6	9	5	0	0	0	2	2	2	3	6	8	7	1	0	0	0	3	26	2	0	1	2	4	4	8	7	3	0
EAST SUSSEX																																											
HERSTMONCEUX	28	3	1014.9	-	10.8	0.4	12.5	95	3.8	6	9	3	7	6	0	0	0	1	2	4	2	8	4	10	0	0	1	3	19	8	5	0	2	5	1	8	4	3	0	
		9	1015.5	-	12.5	0.7	13.4	92	6.3	0	2	4	17	8	0	0	0	0	0	2	2	4	4	7	4	0	2	5	18	6	0	0	2	5	1	5	7	4	1	0
		15	1014.8	-	14.8	1.8	13.6	81	4.5	1	7	9	12	2	0	0	0	0	0	0	0	4	8	6	10	7	0	0	1	11	19	5	0	2	2	4	12	5	4	0
		21	1015.6	-	11.8	0.6	12.8	92	4.1	5	8	5	6	7	0	0	0	0	2	0	4	6	10	9	0	0	0	0	7	19	5	2	3	7	1	4	5	4	0	
7A ENGLAND NW & I.O.M.																																											
CUMBRIA																																											
CARLISLE	28	3	1008.7	-	10.6	1.0	11.3	87	5.5	1	5	7	9	9	0	0	0	0	0	0	1	2	8	8	12	0	0	0	4	27	0	0	0	6	7	5	7	10	3	0
		9	1009.0	- 4.9	11.6	1.2	11.7	85	5.7	0	5	6	13	7	0	0	0	0	0	0	0	6	10	13	2	0	0	0	9	22	0	0	0	0	1	6	6	7	1	0
		15	1008.6	-	14.2	2.3	12.2	75	5.7	0	1	12	13	5	0	0	0	0	0	0	0	2	10	16	2	0	0	0	15	15	1	0	0	0	1	6	6	8	6	1
		21	1009.3	-	11.3	1.2	11.6	86	5.1	1	7	6	9	8	0	0	0	0	1	0	2	8	10	9	1	0	0	0	8	23	0	0	0	0	6	3	7	6	8	1
LANCASHIRE																																											
SQUIRES GATE	11	3	1009.9	-	11.3	0.8	12.2	91	5.8	1	4	5	11	10	0	0	0	0	0	1	0	3	10	6	11	0	0	2	15	14	0	0	0	0	4	8	8	6	3	2
		9	1010.4	- 4.2	12.0	0.9	12.5	89	6.2	0	1	8	15	7	0	0	0	0	1	0	3	4	10	8	8	0	0	1	19	11	0	0	0	0	2	8	6	12	5	2
		15	1009.9	-	14.3	1.7	13.3	81	5.6	1	5	3	19	3	0	0	0	0	0	0	3	7	9	9	3	0	0	1	19	11	0	0	0	0	2	8	8	5	5	2
		21	1010.4	-	11.6	0.8	12.4	90	5.7	1	4	6	11	9	0	0	0	0	0	1	6	5	6	12	1	0	0	19	12	0	0	0	0	2	11	6	2	6	4	
MERSEYSIDE																																											
SPEKE					REPORTS TERMINATED																																							
GREATER MANCHESTER																																											
MANCHESTER	42	3	1011.4	-	11.3	1.3	11.4	84	5.0	2	3	11	12	3	0	0	0	0	0	1	4	8	14	4	0	0	0	5	26	0	0	1	8	6	12	1	3	3	0	
WEATHER CENTRE (X)		9	1011.9	-	12.1	1.7	11.3	80	5.7	1	4	6	13	7	0	0	0	0	0	0	1	9	15	2	0	0	0	0	7	23	1	0	0	1	6	4	14	2	3	1
		15	1011.2	-	14.3	2.7	11.6	71	6.1	0	3	6	16	6	0	0	0	0	0	1	1	10	16	3	1	0	0	0	9	22	0	0	2	6	4	2	14	5	3	0
		21	1011.8	-	12.2	1.5	11.8	82	4.6	4	5	7	12	3	0	0	0	0	0	0	4	4	16	7	0	0	0	0	8	21	2	0	2	6	5	10	5	1	1	0
RINGWAY	84	3	1011.2	-	10.4	0.8	11.5	90	4.4	4	8	4	9	6	0	0	0	0	1	1	3	7	8	10	1	0	0	1	11	19	0	1	1	4	2	3	16	3	4	0
		9	1011.6	- 3.5	11.4	1.0	11.9	87	5.6	1	3	8	16	3	0	0	0	0	1	2	2	6	15	6	2	0	0	1	15	15	0	0	1	3	3	1	17	1	5	2
		15	1010.9	-	14.0	2.2	12.2	76	5.5	1	3	8	14	5	0	0	0	0	0	0	2	9	9	2	0	0	1	22	8	0	0	0	3	3	1	17	5	3	0	
		21	1011.6	-	11.3	1.0	11.9	88	4.5	3	8	5	8	7	0	0	1	0	0	0	4	6	12	8	0	0	1	13	17	0	0	0	0	3	4	14	7	3	0	
ISLE OF MAN																																											
POINT OF AYRE	9	3	1008.5	-	11.8	0.7	12.7	91	6.3	2	2	3	7	17	0	0	0	0	1	0	3	2	1	8	16	0	0	7	15	8	1	1	1	0	5	12	6	4	1	
		9	1009.1	- 4.4	12.3	0.9	12.8	89	6.4	0	0	9	11	10	1	0	0	0	0	0	2	0	3	6	15	6	0	3	21	7	0	0	0	1	5	11	5	5	4	1
		15	1008.7	-	13.3	1.3	13.1	85	6.3	0	0	10	12	9	0	0	0	0	0	0	2	3	6	14	6	0	4	20	7	0	0	0	1	5	13	5	5	4	3	
		21	1009.2	-	12.1	0.9	12.7	89	5.9	1	4	6	7	13	0	0	0	0	0	0	2	4	5	7	13	0	5	22	4	0	0	0	2	0	6	11	5	5	2	
RONALDSWAY	21	3	1008.2	-	11.8	1.1	12.0	86	5.9	0	6	3	10	12	0	0	0	0	0	2	3	2	4	6	13	4	0	5	18	7	1	0	0	2	5	7	3	7	8	9	7	5	0
		9	1009.0	- 4.9	12.2	1.2	12.1	85	6.3	0	4	5	18	7	0	0	0	0	0	0	3	2	4	7	8	7	0	4	23	3	0	0	0	2	7	2	5	8	9	7	5	0
		15	1008.6	-	13.0	1.6	12.3	81	6.1	0	3	5	16	7	0	0	0	0	0	1	0	2	5	4	7	6	1	3	22	5	0	0	0	1	7	3	9	4	5	2
		21	1009.0	-	12.1	1.2	12.2	86	6.3	0	3	6	11	10	1	0	0	1	0	0	4	6	9	4	7	0	5	16	10	0	0	0	1	7	3	9	4	5	5	2
7B WALES N																																											
GWYNEDD																																											
BARDSEY ISLAND	19	3	1009.8	-	13.0	0.9	13.5	89	5.7	1	2	8	8	12	0	0	0	0	0	0	0	0	3	25	3	0	3	7	12	7	2	1	0	2	4	10	7	3	2	
		9	1010.3	-	13.4	1.0	13.7	88	5.8	0	3	8	12	8	0	0	0	0	0	0	0	2	2	20	9	0	0	8	17	6	0	0	1	0	4	7	7	8	3	1
		15	1009.8	-	14.2	1.2	14.1	86	5.9	1	0	10	10	10	0	0	0	0	0	0	0	0	2	20	9	0	1	6	14	10	0	0	1	0	5	3	6	7	4	3
		21	1010.4	-	13.4	0.9	13.8	89	5.8	2	2	7	5	15	0	0	0	0	0	0	0	0	3	24	4	0	2	5	14	9	1	1	0	3	5	7	6	4	3	4
VALLEY	11	3	1009.0	-	12.4	1.2	12.4	85	5.5	1	5	8	7	10	0	0	0	0	0	0	0	3	3	11	12	4	2	10	11	8	0	0	1	2	2	6	9	7	4	2
		9	1009.7	- 4.8	13.5	1.8	12.4	80	5.5	0	6	4	14	7	0	0	0	0	0	0	0	2	6	18	4	1	1	7	14	8	1	0	1	2	2	3	10	7	6	1
		15	1009.2	-	14.6	2.2	12.8	77	5.7	0	5	4	18	4	0	0	0	0	0	0	0	0	5	3	13	10	1	10	15	5	1	0	0	1	2	2	16	5	5	1
		21	1009.8	-	12.6	1.4	12.3	83	5.8	0	5	7	7	12	0	0	0	0	0	0	0	0	6	6	15	4	2	10	12	7	0	1	1	5	4	11	3	5	1	
8A WALES S																																											
DYFED																																											
ABERPORTH	134	3	1010.3	-	11.2	0.8	12.1	90	5.1	3	6	4	8	10	0	0	0	0	0	0	0	1	6	6	12	6	1	3	19	8	0	0	1	0	0	6	15	5	0	4
		9	1010.9	- 4.4	12.2	1.0	12.6	88	5.7	1	3	8	12	7	0	0	0	0	0	0	1	5	12	7	6	0	0	3	23	5	0	0	0	0	0	8	13	3	6	2
		15	1010.3	-	13.7	1.7	12.8	81	5.9	1	1	8	14	7	0	0	0	0	0	0	0	3	10	12	4	0	0	4	23	4	0	0	0	1	6	13	3	6	3	2
		21	1010.9	-	11.9	1.0	12.4	88	5.0	2	6	6	8	9	0	0	0	0	0	0	0	5	10	11	5	0	0	8	18	5	0	0	0	1	4	13	5	3	5	5
BRAWDY	116	3	1010.3	-	11.6	1.0	12.0	87	5.7	1	5	5	8	12	0	0	0	0	0	0	1	4	7	4	15	1	0	4	21	6	0	0	1	1	3	6	8	9	2	4
		9	1011.0	-	12.1	1.1	12.3	87	6.0	0	3	8	11	9	0	0	0	0	0	1	0	1	5	10	9	2	0	3	22	6	0	0	0	1	3	7	9	4	4	1
		15	1010.3	-	13.5	1.6	12.7	82	6.3	1	1	6	14	9	0	0	0	0	0	0	1	1	8	8	10	2	0	2	25	4	0	0	1	0	1	6	11	4	7	1
		21	1011.0	-	11.8	0.9	12.4	89	5.4	3	5	4	8	11	0	0	0	0	0	0	1	8	6	14	2	0	0	2	21	8	0	0	0	1	0	10	6	6	3	5
BRYNAMMAN	-	9	-	-	11.3	1.0	11.9	88	5.5	0	8	4	10	9	0	0	0	0	0	0	1	5	8	12	5	0	0	0	1	26	4	1	0	0	1	9	4	7	5	0
		15	-	-	13.7	2.0	12.3	78	6.2	1	0	7	15	8	0	0	0	0	0	0	1	3	6	11	7	6	0	0	0	4	27	10	0	0	0	1	8	7	7	6	2
		21	-	-	10.8	0.8	11.8	90	5.8	2	3	3	13	10	0	0	0	0	0	0	1	6	11	7	6	0	0	1	3	17	10	0	0	0	1	7	4	6	3	0
MILFORD HAVEN	39	3	1010.5	-	12.6	0.8	13.4	91	4.6	5	5	7	4	10	0	0	0	0	0	0	0	1	1	8	15	6	1	0	0	3	15	12	0	2	0	0	4	6	9	3	3	3
C.B.		9	1011.0	- 4.5	13.1	1.0	13.5	89	5.8	1	1	8	10	11	0	0	0	0	0	0	0	1	1	12	11	10	8	9	0	0	3	21	6	1	0	0	6	5	5	8	6	7	1
		15	1010.6	-	14.4	1.3	14.0	85	6.0	1	1	7	12	10	0	0	0	0	0	0	0	0	0	11	11	9	0	0	0	2	23	6	0	0	0	3	7	6	6	3	1
		21	1011.1	-	13.2	0.9	13.7	90	5.6	4	0	9	2	16	0	0	0	0	0	0	0	0	0	11	13	7	0	0	3	16	11	1	0	1	0	2	6	5	8	3	1	5
WEST GLAMORGAN																																											
MUMBLES HEAD	37	3	1011.7	-	12.8	1.0	13.0	88	4.9	5	3	7	7	9	0	0	0	0	0	0	0	0	6	6	4	19	2	2	6	19	3	1	0	0	0	6	4	6	5	7	2
		9	1012.3	-	13.1	1.1	13.2	87	5.6	1	4	6	11	9	0	0	0	0	0	0	0	2	6	9	7	14	1	0	9	19	2	0	1	0	0	8	2	11	2	7	0
		15	1011.7	-	14.2	1.4	13.6	84	6.1	1	1	7	12	7	0	0	0	0	0	0	0	1	9	6	12	3	0	10	16	5	0	1	0	0	6	5	6	4	8	1
		21	1012.3	-	13.3	1.1	13.5	87	4.2	5	5	9	3	9	0	0	0	0	0	0	0	0	5	6	12	5	1	9	13	8	0	1	0	0	6	3	10	1	9	1

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

OCTOBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																																		
8A WALES S -CONTD.																																										
MID GLAMORGAN																																										
CILFYNYDD	195	3	1012.3	-	10.1	0.6	11.5	92	5.2	5	3	6	3	14	0	0	0	0	0	1	1	9	20	0	0	0	1	2	14	14	0	2	0	2	4	6	3	0
		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1012.9	-	10.9	0.8	11.8	89	5.4	5	1	7	4	14	0	0	0	0	0	0	1	9	21	0	0	0	0	10	15	6	0	0	3	4	9	6	3	0
SOUTH GLAMORGAN																																										
RHOOSE	69	3	1012.0	-	11.2	0.9	11.9	89	4.9	3	7	3	9	9	0	0	0	0	1	0	3	2	7	12	6	0	0	11	20	0	1	1	8	2	7	8	2	2
		9	1012.6	- 3.8	12.1	1.1	12.4	87	6.5	0	2	5	13	11	0	0	0	0	2	3	1	3	8	8	6	0	0	17	13	1	0	1	9	2	6	5	5	2
		15	1011.8	-	14.0	2.1	12.4	77	5.7	0	3	9	12	7	0	0	0	0	0	0	8	7	10	6	0	0	0	20	11	0	0	2	4	6	6	3	10	0
		21	1012.7	-	11.7	1.1	12.1	87	4.3	1	9	8	7	6	0	0	0	0	0	0	3	5	7	9	7	0	-1	14	14	2	0	1	9	1	8	1	6	3
8B ENGLAND SW																																										
AVON																																										
FILTON	61	3	1012.6	-	10.3	0.8	11.4	90	4.4	5	6	6	8	6	0	0	0	2	3	1	1	5	5	13	1	0	0	8	22	1	0	0	3	7	6	9	4	1
		9	1013.2	- 3.2	11.6	1.0	12.2	88	6.3	0	2	6	14	9	0	0	0	0	3	3	3	0	7	11	4	0	0	12	19	0	0	0	8	4	7	7	5	0
		15	1012.2	-	14.4	2.0	12.9	78	6.0	2	3	2	15	9	0	0	0	0	0	0	0	10	6	11	4	0	0	11	20	0	0	1	4	3	9	5	7	2
		21	1013.2	-	11.5	1.0	12.1	88	4.4	4	8	3	11	5	0	0	0	0	0	2	4	3	8	13	1	0	0	11	20	0	0	0	4	7	8	4	7	1
SOMERSET																																										
EXTON	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	10.5	0.4	12.1	95	6.2	1	1	7	8	10	4	0	1	2	2	1	3	6	7	8	1	0	0	3	28	0	3	0	3	3	16	1	4	1
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	9.5	0.2	11.7	97	4.7	5	5	6	3	10	2	0	2	0	1	0	1	9	6	12	0	0	0	6	25	0	2	0	3	1	15	1	8	1
YEOVILTON	23	3	1012.8	-	10.2	0.6	11.7	93	4.7	3	5	9	5	9	0	0	0	2	2	1	3	6	12	5	0	0	1	4	20	6	1	0	1	1	11	4	5	2	1
		9	1013.2	-	12.6	1.0	12.9	88	5.7	0	3	7	16	5	0	0	1	0	1	4	3	5	9	8	0	0	0	10	18	3	0	0	0	10	8	5	3	2
		15	1012.5	-	15.0	2.5	12.7	73	5.8	2	2	6	14	7	0	0	0	0	0	0	0	12	4	14	1	0	0	13	17	1	0	0	1	0	5	9	8	5	2
		21	1013.4	-	11.3	0.8	12.2	90	4.1	5	6	7	7	6	0	0	0	0	1	0	4	9	6	11	0	0	1	4	23	3	0	0	1	9	8	5	5	0
DORSET																																										
HURN	11	3	1013.4	-	10.6	0.5	12.2	94	4.2	7	7	2	7	8	0	0	0	1	4	2	2	4	8	10	0	0	1	4	18	8	1	0	4	3	5	6	3	1
		9	1013.8	-	12.5	0.9	13.2	90	5.6	0	4	8	13	6	0	0	0	0	2	2	2	11	4	9	1	0	0	10	18	3	1	2	4	5	6	5	3	2
		15	1013.2	-	15.0	2.1	13.3	77	5.5	1	5	4	14	7	0	0	0	0	0	0	0	12	4	11	4	0	0	13	18	0	0	0	2	7	7	10	3	2
		21	1014.0	-	12.1	0.8	12.8	90	4.8	6	4	3	12	6	0	0	0	1	1	0	2	7	5	15	0	0	1	7	20	3	0	0	5	5	6	6	4	2
PORTLAND BILL.C.G.	54	3	1012.7	-	13.3	0.5	14.4	94	4.7	6	4	5	6	9	1	1	0	0	0	0	0	9	9	10	2	0	5	14	12	0	1	0	4	4	6	7	4	5
		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	1012.8	-	14.5	0.8	15.1	91	5.7	3	1	7	13	7	0	0	0	0	0	2	1	10	8	10	0	0	4	20	7	0	1	0	4	5	7	5	9	0
		21	1013.6	-	13.4	0.5	14.5	94	4.1	8	4	4	9	6	0	0	0	0	0	0	2	5	9	14	1	0	6	19	6	0	1	1	4	6	6	3	9	1
DEVON																																										
EXETER	38	3	1012.5	-	11.4	0.7	12.6	92	4.8	5	5	4	12	5	0	0	0	0	1	1	3	3	10	9	4	0	1	6	22	2	2	0	2	4	9	3	3	0
		9	1013.1	- 3.5	12.5	0.9	13.1	89	5.1	1	8	4	14	4	0	0	1	0	0	0	2	6	7	9	0	0	0	11	16	4	2	0	2	9	8	1	4	1
		15	1012.4	-	14.6	1.7	13.7	82	6.0	0	4	5	17	5	0	0	0	0	0	0	0	6	6	7	12	0	0	1	17	13	0	0	1	0	11	8	3	7	1
		21	1013.2	-	12.0	0.8	12.9	91	4.7	2	10	2	10	7	0	0	0	0	0	0	0	2	7	8	6	8	0	0	9	20	2	1	1	4	8	8	2	4	1
HARTLAND POINT	93	3	1010.9	-	12.5	1.1	12.6	86	4.8	3	7	6	6	9	0	0	0	0	0	0	0	0	12	9	10	1	4	18	7	1	2	0	4	2	6	4	9	3
		9	1011.3	-	12.8	1.3	12.7	85	5.5	0	5	8	13	5	0	0	0	0	0	0	0	3	8	9	11	1	4	19	6	1	0	0	4	5	4	7	7	3
		15	1010.8	-	14.4	1.9	13.1	79	6.4	1	0	6	16	8	0	0	0	0	0	1	1	12	6	11	0	0	9	13	9	0	2	1	2	3	3	7	8	5
		21	1011.5	-	12.8	1.1	12.9	87	5.6	0	6	6	8	11	0	0	0	0	0	0	0	2	8	9	12	1	5	16	9	0	1	0	3	4	6	6	7	4
MOUNT BATTEN	28	3	1012.4	-	12.5	0.8	13.1	90	5.4	2	3	9	10	7	0	0	0	0	0	0	1	9	11	10	0	1	1	15	12	2	1	2	5	2	10	3	3	3
		9	1013.0	- 3.6	13.4	1.2	13.3	86	5.9	0	5	4	14	8	0	0	0	0	0	0	2	9	8	10	2	0	0	20	11	0	0	1	6	3	9	4	5	3
		15	1012.5	-	14.9	1.9	13.5	80	6.1	0	1	8	17	5	0	0	0	0	0	0	0	8	8	9	6	0	2	25	4	0	1	0	3	5	8	7	4	3
		21	1013.1	-	12.9	1.0	13.3	88	5.4	3	4	3	15	6	0	0	0	0	0	0	1	10	10	9	1	0	2	17	11	1	0	0	4	2	10	5	7	2
PRAWLE POINT	-	3	-	-	-	-	-	-	4.4	6	4	6	7	8	0	0	0	0	0	1	0	8	7	15	0	1	9	11	8	2	0	2	4	1	7	5	10	0
		9	-	-	-	-	-	-	5.2	2	1	11	11	6	0	0	0	0	0	0	0	9	8	14	0	1	8	14	8	0	1	0	6	3	8	5	8	0
		15	-	-	-	-	-	-	5.6	0	3	7	14	7	0	0	0	0	0	0	2	10	1	18	0	0	11	13	6	1	0	1	6	2	5	6	9	1
		21	-	-	-	-	-	-	3.8	6	6	7	6	6	0	0	0	0	0	0	0	8	6	17	0	0	8	14	8	1	0	1	3	5	7	2	10	2
CORNWALL																																										
GWENNAP HEAD	70	3	1011.6	-	12.8	1.0	13.2	88	4.1	8	8	1	2	12	0	0	0	0	0	0	0	7	6	16	2	2	12	15	2	0	2	0	0	6	4	13	2	4
		9	1011.9	-	12.8	1.0	13.1	88	6.0	0	5	4	10	12	0	0	0	0	0	0	3	9	5	13	1	2	8	17	4	0	2	2	2	5	4	9	5	2
		15	1011.5	-	13.9	1.4	13.4	84	5.2	0	6	9	11	4	1	0	0	0	1	0	0	2	7	7	11	3	1	10	16	4	0	1	0	2	6	1	12	7	2
		21	1012.2	-	12.9	1.1	13.1	87	4.6	3	8	5	6	9	0	0	0	0	0	0	0	6	6	18	1	1	10	15	5	0	1	1	1	5	5	8	6	4
ST MAWGAN	107	3	1011.7	-	12.0	0.9	12.7	89	5.4	3	3	7	8	10	0	0	0	0	0	0	2	10	7	11	1	0	1	16	14	0	1	1	1	6	11	6	3	2
		9	1012.2	- 4.0	12.7	1.1	12.8	87	5.8	0	4	5	15	7	0	0	0	0	0	0	1	10	8	8	4	0	0	20	11	0	1	0	1	7	13	3	5	1
		15	1011.7	-	14.2	2.0	12.7	78	5.8	0	4	6	14	7	0	0	0	0	0	0	1	7	5	12	6	0	2	25	3	1	1	0	0	6	9	5	8	1
		21	1012.5	-	12.5	1.1	12.7	87	5.7	2	3	5	14	7	0	0	0	0	0	0	2	10	4	12	3	0	1	18	12	0	0	0	0	5	12	6	5	3
SCILLY	61	3	1011.0	-	12.7	0.9	13.1	89	5.0	2	6	7	4	12	0	0	0	0	0	0	2	4	9	11	5	0	3	21	7	0	2	0	1	8	8	5	4	3
		9	1011.5	- 4.6	13.3	1.1	13.4	87	6.1	0	2	8	13	7	1	0	0	1	0	0	0	9	5	13	3	0	6	20	4	1	0	0	1	7	9	3	4	4
		15	1011.0	-	14.4	1.6	13.5	82	5.7	0	3	9	12	7	0	0	0	0	0	0	2	7	6	11	5	0	9	19	3	0	2	0	0	7	8	6	4	4
		21	1011.8	-	12.9	1.1	13.1	87	4.6	2	9	5	8	7	0	0	0	0	0	0	1	6	5	16	3	0	4	21	6	0	1	0	1	4	10	7	2	6
CHANNEL ISLANDS																																										
GUERNSEY AIRPORT	105	3	1014.0	-	12.7	1.1	13.0	87	4.4	6	7	1	11	6	0	0	0	0	0	1	2	5	5	10	8	0	2	16	13	0	1	0	1	9	9	4	5	2
		9	1014.4	-	13.2	1.1	13.3	87	5.3	1	7	4	13	6	0	0	0	0	0	0	1	8	4	10	8	0	2	22	7	0	1	0	1	8	8	6	5	2
		15	1014.0	-	14.6	2.0	13.1	78	4.9	1	6	8	13	3	0	0	0	0	0	0	0	4	7	13	7	0	1	20	10	0	1	0	0	7	12	4	5	2
		21	1014.7	-	13.2	1.4	13.0	84	4.8	3	6	5	12	5	0	0	0	0	0	0	0	4	10	9	8	0	0	18	12	1	1	0	1	7	9	4	7	1
JERSEY AIRPORT	83	9	1014.7	-	13.3	1.1	13.4	87	5.5	1	5	6	12	7	0	0	0	0	0	0	1	4	8	13	5	0	0	16	15	0	0	0	1	11	7	6	2	4
		15	1014.1	-	15.2	2.3	13.1	75	4.7	1	7	9	10	4	0	0	0	0	0	0	0	1	4	17	9	0	1	16	14	0	1	0	2	8	11	1	6	2
NORTHERN IRELAND																																										
LONDONDERRY																																										
MONEYDIG	35	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																																										
ALDERGROVE	73	3	1006.6	-	10.6	1.0	11.2	87	5.6	2	4	5	12	8	0	0	0	0	0	1	1	5	5	15	4	0	0	17	14	0	2	1	1	7	14	3	2	1
		9	1007.1	- 6.2	11.0	1.1	11.5	87	6.0	0	3	5	16	7	0	0	0	0	0	0	4	4	10	11	2	0	1	17	13	0	0	1	2	8	10	5	3	2
		15	1006.7	-	12.9	1.8	11.9	80	6.4	0	1	5	20	5	0	0	0	0	0	0	2	1	11	11	6	0	1	20	10	0	0	1	0	7	11	7	1	4
		21	1007.3	-	11.0	1.1	11.4	86	5.9	1	3	5	10	12	0	0	0	0	0	0	2	6	7	13	3	0	0	17	14	0	0	0	2	3	6	11	5	3	1
TYRONE																																										
CARRIGANS	112	9	1006.3	-	10.7	0.8	11.7	90	6.1	0	1	8	12	10	0	0	0	0	0	0	0	12	8	9	2	0	1	10	18	2	0	1	0	11	10	2	2	3
		15	1006.0	-	12.9	1.5	12.4	82	6.5	0	0	8	13	10	0	0	0	0	0	0	0	10	4	13	3	0	0	13	18	0	1	1	0	9	10	4	5	1
		21	1006.8	-	10.6	0.8	11.6	89	6.1	0	3	7	6	15	0	0	0	0	0	0	0	8	11	12	0	0	0	11	18	2	0	1	0	12	11	2	2	1

TABLE 5 NUMBER OF DAYS WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS — OCTOBER 1977

STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
LERWICK (PSYCHROMETER)	0	0	12	19	0	0	0	0	0	0	0	0	3	28	0	0
LERWICK (SCREEN)	0	0	8	23	0	0	0	0	0	0	0	0	3	27	1	0
STORNOWAY	0	0	1	26	4	0	0	0	0	0	0	0	6	15	10	0
CRAIBSTONE	0	0	2	24	5	0	0	0	0	0	0	0	6	21	4	0
ROTHESAY	0	0	0	27	4	0	0	0	0	0	0	0	2	19	10	0
ABBOTSINCH	0	0	0	22	9	0	0	0	0	0	0	0	4	17	10	0
ESKDALEMUIR (PSYCHROMETER)	0	0	1	23	7	0	0	0	0	0	0	1	9	18	3	0
ESKDALEMUIR (SCREEN)	0	0	1	23	7	0	0	0	0	0	0	1	9	17	4	0
DOUGLAS	0	0	0	30	1	0	0	0	0	0	0	0	0	15	16	0
BOULMER	0	0	0	29	2	0	0	0	0	0	0	0	6	17	8	0
HULL	0	0	0	16	15	0	0	0	0	0	0	0	3	21	7	0
GORLESTON	0	0	0	13	18	0	0	0	0	0	0	0	1	16	14	0
CAMBRIDGE BOTANIC GARDENS	0	0	0	9	21	1	0	0	0	0	0	0	5	17	9	0
EDGBASTON	0	0	0	25	6	0	0	0	0	0	0	0	0	21	10	0
KEW (PSYCHROMETER)	0	0	0	9	22	0	0	0	0	0	0	0	9	13	9	0
KEW (NORTH-WALL SCREEN)	0	0	0	8	23	0	0	0	0	0	0	0	2	18	11	0
HASTINGS	0	0	0	8	23	0	0	0	0	0	0	0	0	9	22	0
SOUTHAMPTON	0	0	0	4	27	0	0	0	0	0	0	0	2	9	19	1
STONYHURST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VALLEY	0	0	0	17	10	4	0	0	0	0	0	0	0	11	20	0
RHOOSE	0	0	0	17	14	0	0	0	0	0	0	0	1	16	14	0
FALMOUTH	0	0	0	21	10	0	0	0	0	0	0	0	0	15	16	0
ALDERGROVE	0	0	1	21	9	0	0	0	0	0	0	0	2	17	12	0
ARMAGH	0	0	1	21	9	0	0	0	0	0	0	0	1	19	11	0

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND — OCTOBER 1977

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED							MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT	HOURS OF NO RECORD		HOURLY WIND			GUST				
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS					YEAR FROM N	SPEED-KT	DAY	HOUR BEGINNING	YEAR FROM N	SPEED-KT	DAY	TIME
0 SCOTLAND N																				
SHETLAND	LERWICK		93	10 10	27 28 30	16	12	120	340	233	35	0	14.3	210	40	28	11	210	57	28	1106
ORKNEY	KIRKWALL AIRPORT		41	15 10	27 30	3	14	92	403	216	30	0	13.7	250	34	27	12	250	50	28	1206
WESTERN ISLES	BENBECULA		16	10 10	12 27 30	11	19	158	477	88	10	0	17.1	170	39	30	11	190	60	27	0442
	STORNOWAY		12	10 10	12 26 27 29 30	33	14	109	375	185	42	0	15.2	190	43	30	14	190	62	12	0548
HIGHLAND	DALCROSS		19	10 10		0	8	46	253	287	158	0	10.0	210	33	12	13	200	50	30	1736
	DOUNREAY		34	12 9		0	9	60	292	296	96	0	11.1	300	30	1	16	300	50	1	1536
	DUIRINISH		38	20 17	12 27 29 30	26	15	127	279	248	49	15	14.2		46	12	06		68	30	1706
	FORT AUGUSTUS		58	16 16		0	5	6	139	319	280	0	6.2	200	23	29	12	230	49	12	0948
	WICK		45	10 10		0	9	60	357	277	50	0	12.1	090	33	7	20	240	48	27	1030
1 SCOTLAND E																				
GRAMPIAN	ABERDEEN DYCE AIRPORT		68	10 10	30	5	8	40	275	300	124	0	10.2	170	40	30	17	170	54	30	1754
	FRASERBURGH		29	13 11	1 7	9	9	71	354	268	32	10	12.8	270	36	1	11	170	55	30	1624
	KINLOSS		18	13 13		0	6	31	271	344	98	0	9.7	220	30	27	09	220	49	27	0754
	LOSSIEMOUTH		17	10 10		0	9	50	286	316	92	0	10.4	230	30	27	09	210	50	27	0836
TAYSIDE	BELL ROCK		39	40 38	DEFECTIVE RECORD																
	MYLNEFIELD		40	10		0	2	6	181	287	244	26	7.2	200	23	30	19	200	42	30	1900
	TUMMEL BRIDGE		161	16 16		0	0	0	69	403	272	0	5.4	260	18	28	10	230	38	12	1406
FIFE	LEUCHARS		25	13 13		0	5	54	302	269	119	0	11.0	200	30	30	18	190	46	30	1618
LOTHIAN	EDINBURGH TURNHOUSE AIRPORT		43	13 10		0	6	25	316	303	100	0	10.3	210	29	30	18	200	52	30	1406
	ROYAL OBSERVATORY, BLACKFORD HILL		159	10 10	12 30	12	16	119	325	185	103	0	13.6	210	45	30	18	210	72	30	1812
	FORTH ROAD BRIDGE		72	72	1	3	11	84	302	245	70	40	12.9	250	34	1	17	170	51	30	1800
6 SCOTLAND W																				
STRATHCLYDE	ABBOTSINCH AIRPORT		16	10 10		0	3	19	280	392	53	0	9.7	200	28	30	15	200	48	30	1306
	ARDROSSAN		24	20	DEFECTIVE RECORD																
	DUNSTAFFNAGE		13	10 10		0	5	29	437	251	21	6	12.3	150	27	30	10	150	45	30	1154
	GREENOCK PORT		51	49	12 30	7	12	63	418	234	18	4	13.5	200	38	30	14	200	61	30	1300
	INCHTERF		55	15 12		0	4	16	305	344	79	0	9.9	240	25	28	12	230	43	12	1312
	LOWTHER HILL		754	27	1 2 6 11 12 19 22-24 26-31	127	26	271	262	56	1	27	24.1	170	60	30	15	160	83	30	1518
	MACHRIHANISH		22	12 12	1 11 12 30	21	24	165	482	68	8	0	18.0	170	37	30	10	290	63	1	0406
	PAISLEY		57	25 9		0	4	16	220	385	123	0	8.8	200	33	30	15	200	57	30	1518
	PRESTWICK AIRPORT		21	10 10		0	12	49	410	252	33	0	12.4	200	31	30	12	200	57	30	1512
	TIREE		24	16 12	11 12 27 30	32	24	274	386	45	7	0	20.1	190	44	12	04	220	63	27	0512
DUMFRIES AND GALLOWAY	ESKDALEMUIR		259	10 10	30	6	9	56	250	273	159	0	10.1	170	35	30	14	190	63	30	1942
	WEST FREUGH		25	10 10	DEFECTIVE RECORD																
2 ENGLAND E & NE																				
NORTHUMBERLAND	BLYTH		19	10 10		0	5	32	222	443	29	18	9.9	280	28	1	13	280	46	1	1118
	BOULMER		33	10 10		0	4	10	271	418	45	0	9.6	160	26	31	06	160	42	31	0718
TYNE AND WEAR	SOUTH SHIELDS		22	17 13		0	1	17	166	401	160	0	7.6	290	25	1	10	290	34	1	0442
CLEVELAND	SOUTH GARE		22	14 15	1 31	5	15	138	358	162	81	0	14.0	280	36	1	00	280	59	1	0036
DURHAM	DURHAM		119	16 10	DEFECTIVE RECORD																
NORTH YORKSHIRE	LEEMING		42	10 10		0	3	9	243	419	73	0	9.2	150	26	31	06	280	40	1	1424
	LINTON-ON-OUSE		23	9 10		0	2	5	162	462	115	0	7.8	270	24	1	13	160	40	31	0418
	SILPHO MOOR		207	15 9		0	4	18	126	381	219	0	6.8	130	26	31	04	260	47	1	0154
LINCOLNSHIRE	BINBROOK		118	10 10		0	5	26	277	376	63	2	10.3	180	33	31	07	180	49	31	0736
	CONINGSBY		16	10 10		0	2	13	221	427	83	0	9.0	170	26	31	07	280	45	1	1206
	CRANWELL		68	13 13		0	5	33	324	367	11	9	11.1	270	32	1	11	270	48	1	1154
	SCAMPTON		68	10 10		0	3	16	317	407	4	0	10.7	180	27	31	07	200	44	31	0754
	WADDINGTON		80	10 10		0	3	12	298	408	26	0	10.2	170	29	31	06	270	45	1	1148
3 EAST ANGLIA																				
NORFOLK	COLTISHALL		27	10 10		0	2	7	216	389	132	0	8.3	190	26	31	08	190	43	31	0824
	GORLESTON		16	13 13		0	7	39	307	291	42	65	11.3	180	30	30	17		61	31	

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED								MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT	HOURS OF NO RECORD		HOURLY WIND				GUST			
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS						VEER FROM N	SPEED-KT	DAY	HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY	TIME
3 EAST ANGLIA - CONTINUED																					
	MARHAM	29	10	10		0	2	9	246	438	51	0	9.4	180	25	31	06	280	44	1	1236
CAMBRIDGESHIRE	WITTERING	87	10	10		0	2	9	204	396	135	0	8.4	180	25	31	07	280	46	1	1224
	WYTON	45	10	10		0	2	11	209	449	75	0	8.5	270	25	1	12		43	1	1212
SUFFOLK	HONINGTON	60	13	13		0	2	6	217	423	98	0	8.4	280	23	1	16	170	36	31	0842
	WATTISHAM	105	17	10		0	2	13	258	442	27	4	9.9	280	26	1	13	280	42	1	1324
BEDFORDSHIRE	BEDFORD	94	13	9		0	3	19	207	460	58	0	9.3	280	30	1	11	190	45	31	0730
	CARDINGTON	70	41	41	1	1	4	28	290	372	53	0	10.4	270	34	1	13	270	49	1	0000
HERTFORDSHIRE	GARSTON	94	15	10		0	0	0	35	436	273	0	4.8	270	17	1	10	280	35	1	1324
	ROTHAMSTED	141	13	10																	
ESSEX	SHOEBURYNESS	17	14	12		0	1	7	212	446	79	0	8.7	200	30	31	08	200	47	31	0806
	STANSTED	108	10	10		0	2	6	166	490	82	0	7.9	290	27	1	13	290	43	1	1400
4 MIDLAND COUNTIES																					
SOUTH YORKSHIRE	FINNINGLEY	19	10	10		0	1	2	181	415	146	0	7.6	280	25	1	00	280	40	1	0024
	SHEFFIELD UNIVERSITY	146	29	15		0	1	2	145	380	217	0	7.0	210	25	31	00	280	53	1	1618
NOTTINGHAMSHIRE	WATNALL	133	16	10		0	1	5	181	484	74	0	8.2	180	25	31	03	190	47	31	0218
STAFFORDSHIRE	KEELE	215	15	10		0	0	0	66	561	117	0	6.5	220	21	31	05	220	47	31	0548
SALOP	SHAWBURY	84	12	10		0	3	6	171	466	101	0	8.0	180	24	30	23	180	44	30	2354
WEST MIDLANDS	BIRMINGHAM EDGBASTON	196	36	22		0	1	3	132	411	197	1	6.8	180	23	31	03	180	46	31	0336
	ELMDON AIRPORT	104	10	10		0	3	13	184	437	110	0	8.4	180	26	31	04	180	45	31	0336
OXFORDSHIRE	BENSON	60	10	10		0	1	7	201	416	120	0	8.1	180	28	31	06	180	49	31	0612
	BRIZE NORTON	91	13	10		0	2	10	182	423	129	0	8.0	190	29	31	05	190	47	31	0536
	OXFORD				DEFECTIVE RECORD																
5 ENGLAND SE & CENTRAL S																					
GREATER LONDON	HEATHROW AIRPORT	34	10	10		0	2	6	123	448	167	0	6.8	270	24	1	12	270	41	1	1242
	KEW	28	23	15		0	0	0	104	348	292	0	5.4	190	20	31	07	190	43	31	0742
	LONDON WEATHER CENTRE	93	70	38		0	2	8	223	466	47	0	8.7	170	27	31	07	180	47	31	0736
	POST OFFICE TOWER		174		31	5	14	137	506	96	0	0	16.5	220	40	31	07	240	54	31	0736
WILTSHIRE	BOSCOMBE DOWN	130	17	17		0	3	12	242	446	44	0	9.2	180	28	31	05	190	43	31	0606
	LARKHILL	145	13	10		0	1	4	140	524	76	0	7.7	200	24	31	03	220	46	31	0630
	LYNEHAM	159	14	11		0	2	8	195	473	68	0	8.5	180	27	31	03	180	49	31	0330
	PORTON	120	10	10		0	4	11	206	415	112	0	8.7	190	30	31	05	190	54	31	0542
KENT	DUNGENESS	16	10	10		0	9	53	405	240	46	0	12.6	190	31	31	08	240	50	31	1048
	ISLE OF GRAIN	15	12	10		0	2	9	179	313	242	1	7.1	180	26	31	03	190	44	31	0800
	DOVER	27	21	18	4 31	9	12	116	254	237	104	24	12.4	210	36	31	10	210	57	31	0954
	MANSTON	62	18	18		0	4	18	315	392	19	0	10.8	190	28	31	10	290	44	1	0424
HAMPSHIRE	CALSHOT	15	13	10	31	1	8	30	370	285	52	6	11.1	180	36	31	05	180	51	31	0642
	FARNBOROUGH	75	10	10		0	1	1	106	415	222	0	6.2	190	23	31	06	300	38	1	1506
	MIDDLE WALLOP	94	10	10		0	3	15	187	385	123	34	8.3	180	28	31	05	190	49	31	0548
WEST SUSSEX	GATWICK AIRPORT	69	10	10		0	1	4	168	385	187	0	7.1	190	27	31	06	190	47	31	0636
	THORNEY ISLAND	16	10	10	DEFECTIVE RECORD																
7A ENGLAND NW & I O M																					
CUMBRIA	CARLISLE	41	13	9		0	0	0	228	444	72	0	8.5	210	21	30	20	210	44	30	2030
	GREAT DUN FELL	857	10	10	1 3 5 6 11 12 19 23-31	190	29	292	249	13	0	0	26.9	210	58	30	17	200	80	31	0548
	MOOR HOUSE	595	13	12	12 24 26 30	7	17	176	324	212	25	0	15.2	210	36	12	03	180	55	31	0618
	SELLAFIELD	25	12	11		0	6	30	411	295	8	0	12.0	160	27	24	02	150	41	31	0336
LANCASHIRE	FLEETWOOD	34	15	9	1	2	4	34	225	444	39	0	10.3	280	35	1	10	280	48	1	1948
	SQUIRES GATE AIRPORT	22	12	11		0	6	35	442	257	10	0	12.3	280	26	1	00	240	43	11	2354
MERSEYSIDE	AIGBURTH	38	23	11		0	4	31	284	402	27	0	10.4	270	28	1	12	270	47	1	0148
GREATER MANCHESTER	MANCHESTER RINGWAY AIRPORT	80	10	10		0	4	22	334	334	54	0	10.5	170	28	31	05	290	47	1	1154
	WEATHER CENTRE	82	45	17		0	2	2	233	487	22	0	8.9	150	24	31	05	250	43	1	1342
ISLE OF MAN	POINT OF AYRE	20	10	10	30	2	18	99	488	142	11	2	15.3	200	35	30	17	190	54	30	1230
	RONALDSWAY	25	10	10	30	7	11	98	479	144	16	0	15.0	200	36	30	13	200	51	30	1330
7B WALES N																					
GWYNEDD	VALLEY	26	16	12	11 12 23 24 30 31	50	21	225	291	167	11	0	18.4	180	44	30	23	180	63	30	2324
8A WALES SOUTH																					
DYFED	ABERPORTH	144	10	10		0	15	110	518	107	9	0	16.0	180	33	31	02	180	51	31	0324
	BRAWDY	121	10	10		0	9	57	544	133	10	0	14.5	200	33	31	01	200	51	31	0242
	MILFORD HAVEN	47	10	10		0	6	33	488	197	23	3	12.6	180	32	31	01	190	53	30	2330
WEST GLAMORGAN	PORT TALBOT	28	12	11		0	8	43	509	147	45	0	13.4	220	30	31	04	220	48	31	0412
MID GLAMORGAN	CILFYNYDD	210	16	16		0	2	6	247	362	125	4	8.8	200	26	31	04	200	44	31	0442
SOUTH GLAMORGAN	RHOOSE AIRPORT	74	10	10		0	3	5	391	300	48	0	10.7	190	23	31	04	270	36	31	1236
8B ENGLAND SW																					
AVON	AVONMOUTH	28	19	10		0	5	25	280	384	55	0	10.2	190	32	31	04	190	51	31	0436
SOMERSET	YEOVILTON	22	12	10		0	2	12	204	408	120	0	8.6	200	32	31	04	200	52	31	0412
DORSET	HURN AIRPORT	23	13	11		0	2	7	234	386	117	0	8.4	180	30	31	05	180	48	31	0542
	PORTLAND BILL CG	60	13	13	31	3	12	104	464	154	19	0	15.0	200	40	31	04	240	57	31	0536
DEVON	MOUNT BATTEN	64	13	13	31	3	10	40	448	182	71	0	12.6	190	40	31	02	190	59	31	0336
CORNWALL	CULDROSE					0	6	34	370	307	33	0	11.3	200	31	31	02	260	54	31	0400
	LIZARD	96	23	18	30 31	12	18	151	452	124	5	0	16.7	190	46	31	02	190	63	31	0306
	ST MAWGAN	120	13	13		0	6	29	493	201	21	0	12.9	210	30	31	02	270	51	31	0324
	SCILLY(ST MARYS)	70	20	17	30 31	6	17	167	477	74	19	1	17.1	200	38	31	00	210	58	31	0212
CHANNEL ISLANDS																					
	GUERNSEY AIRPORT	111	11	10		0	3	10	472	230	32	0	12.0	180	32	31	04	180	50	31	0454
	JERSEY AIRPORT	94	12	10		0	2	7	359	348	30	0	10.7	190	28	31	04	190	43	31	0424
NORTHERN IRELAND																					
LONDONDERRY	COLERAINE UNIVERSITY	33	10	10	DEFECTIVE RECORD																
ANTRIM	ALDERGROVE	80	10	10		0	2	12	403	318	11	0	11.3	170	26	30	10	200	50	11	2142
	BALLYPATRICK FOREST	166	13	13		0	10	60	514	157	13	0	14.5	210	30	30	12	210	49	30	1230
	BELFAST HARBOUR	21	18	18	DEFECTIVE RECORD																
DOWN	KILKEEL	36	19	14	DEFECTIVE RECORD																
	ORLOCK HEAD	51	16	12	28 30	8	19	131	502	100	2	1	16.5	200	36	30	12	200	62	30	1412
TYRONE	CARRIGANS	129	10	10		0	1	1	223	407	113	0	8.5	160	22	30	11	150	39	30	0948
FERMANAGH	CASTLE ARCHDALE FOREST	79	13	13		0	4	10	288	397	49	0	9.9	190	28	30	12	190	57	30	1218

TABLE 6 ADDITIONS AND CORRECTIONS

YEAR MONTH AND STATION	HEIGHT OF VANE IN METRES		DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED							MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES						
			34 KT OR MORE (GALE FORCE)			22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT		HOURLY WIND				GUST		
	ABOVE MSL	ABOVE GROUND EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS				HOURS OF NO RECORD	VEER FROM N	SPEED-KT	DAY	HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY TIME
1977 JANUARY OXFORD											230				210		
1977 FEBRUARY OXFORD											250				190		
1977 MARCH OXFORD											240				230		
1977 JULY GORLESTON																	14
1977 JULY THORNEY ISLAND																	20
1977 SEPTEMBER GARSTON				0	0	0	30	518	172	0	5.3	250	14	29	14	230	29	30	1912

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THE METEOROLOGICAL OFFICE

MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

MET.0.908 UDC 551 506 1 (41-4)

NOVEMBER 1977

VOLUME 94 NUMBER 11

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Unsettled and windy most of month, but with sunny intervals.

Frontal systems from the Atlantic crossed the British Isles from time to time during the early part of the month. A depression in mid-Atlantic moved north-eastwards at the beginning of the second week and warm tropical air spread into Britain on the 9th and 10th behind an associated warm front which moved northwards across all districts. A secondary depression developed to the north-west of Ireland on the 11th, giving rise to a very strong south-westerly airstream, which veered to north-west on the 12th. Fronts associated with depressions moving from Iceland to southern Norway then crossed the British Isles from time to time, most of them being followed by incursions of cold arctic air. A belt of high pressure extending from Iceland to Spain moved eastwards on the 25th and an anticyclone became established over the British Isles for the remainder of the month.

Weather

The month was very unsettled until the 24th, with outbreaks of rain, thunderstorms, wintry showers and frequent gales in exposed places. The early part of the month was mild and it became unusually warm from the 9th to the 11th, but temperatures soon fell and wintry showers became frequent. Snow showers occasionally spread to southern areas and heavy snow fell in Scotland towards the end of the third week. The weather was much quieter after the 24th, with cold nights and persistent fog in places. Sunny intervals occurred throughout the month and made this a sunny November in most areas, despite the unsettled weather.

Wind

It was windy until the 25th, with frequent gales on exposed coasts and hills. Directions were mainly south-westerly until the 11th, when severe gales over the Irish Sea area, coinciding with an unusually high tide and heavy rain locally, caused widespread flooding in north Lancashire. Considerable damage occurred to property along the coast, a pier at Morecambe was smashed and livestock perished in large numbers as flood-water rose quickly over adjacent farmland. The cost of the damage was estimated at over £1 million. Winds then veered north-westerly and gales were again severe in the west and north on the 14th. Most places recorded their maximum gust for the month on the 11th or 14th and on the latter date the wind gusted to 108 kt at the high-level station at Snaefell (Isle of Man). Directions remained mainly between west and north until the 25th, when the gales moderated. Speeds then became light and directions rather variable.

Temperature

Monthly mean temperatures were mostly a little above average in south-east England and East Anglia, and in a few places in the east Midlands and north-west England. Mean values were below average almost everywhere else, but were near the normal over most remaining parts of England, except in the south-west, where a few places had values between 1.0 and 1.5 °C below normal. Monthly means were generally between 0.5 and 1.0 °C below normal in Wales, in the Isle of Man, and in southern and eastern Scotland and the Northern Isles and were mostly between 1.0 and 2.0 °C below average in remaining areas of Scotland and in Northern Ireland. The month started with mild weather, however, and it became very warm during the second week. On the 9th Hereford reported a temperature of 18.5 °C, and the 10th was a warm day almost everywhere, the London Weather Centre, with 18.2 °C, recording its highest November maximum since 1946. Colder weather reached most areas on the 12th and the rest of the month was cold. There were some very cold nights after the 25th, but the most noteworthy temperatures occurred in the Glasgow area, where at Abbotsinch Airport the temperature only rose above freezing for 5 hours during the last 5 days of the month: the 28th, with a maximum of -2.6 °C, and dense, freezing fog, was Glasgow's coldest November day for 25 years.

Rainfall (including melted snow)

Rainfall was below average in the south-east of Northern Ireland, in parts of east and south-west Scotland, in extreme north-west and part of eastern England, and over a large area including East Anglia, the south Midlands and most southern counties, except parts of the south-east and south-west. Monthly totals were above average elsewhere, exceeding 150 per cent of the normal in parts of Wales, the north Midlands and Lancashire, and also over much of northern and parts of western Scotland. More than twice the normal rainfall for November fell in places in north-west Scotland. The month started with a very wet day, particularly over the southern half of England and in Wales: 117.0 mm fell at Treherbert Park (Mid Glamorgan) between 0524 GMT on the 1st and 0230 GMT on the 2nd. The unsettled weather continued until about the 24th, with thunderstorms and heavy falls of rain in places, but the end of the month was mainly dry. Wintry showers occurred most frequently between the 12th and the 24th.

Snow

Wintry showers of sleet and hail were scattered at first, but became more frequent after the 11th, with snow showers occasionally reaching southern areas. There were heavy falls of snow in Scotland towards the end of the third week and depths of 25 to 33 cm were measured in level snow on high ground. Some main roads in Scotland were blocked by snow for a time on the 21st. The showers became lighter and less frequent after the 24th. Snow lay on the upland slopes of the Scottish mountains throughout the month and on high ground in northern England and Wales from about the 12th. The snow cover extended down to about 150 m at times in parts of northern Scotland.

Sunshine

Sunshine totals were a little below average in the south-west of Northern Ireland, in North Wales and in parts of the Isle of Man and Shetland, and were well below average in places in north-west Scotland, where Cape Wrath recorded only 15.8 hours of sunshine during the month. Sunshine was above average elsewhere and many places were very sunny, particularly in eastern and central England, where values exceeded 150 per cent of average over a large area: Birmingham/Edgbaston and Nottingham, both with over twice their normal amount of sunshine, had their sunniest November this century.

Fog

Except for freezing fog patches in the Manchester area and the north-west Midlands on the night of 16th/17th, November was too windy for the formation of fog until the last few days. From the 27th onwards fog, which was freezing at times, mostly affected parts of the Midlands, northern England and southern Scotland. The fog persisted all day in the south-west Midlands on the 27th, in Carlisle on the 29th and in Glasgow from the 27th to the 30th.

Miscellaneous Phenomena

The aurora was observed in Scotland on 2 nights.

Table 1 District values

District	air temperature °C					mean 30-cm earth temp °C	rain-days	rainfall	sunshine
	Highest Max. *	Lowest Min. *	max.	min.	mean				
			difference from average					% of average	
0 Scotland N	15.0	-5.7	-1.1	-1.2	-1.1	-0.4	+2	178	91
1 Scotland E	15.9	-10.3	-0.7	-0.6	-0.7	+0.8	+2	110	128
2 England E & NE	16.5	-5.7	-0.1	-0.2	-0.2	+0.2	+3	107	152
3 East Anglia	17.2	-2.9	+0.1	+0.4	+0.3	+0.7	+3	94	147
4 Midland Counties	17.0	-7.4	-0.2	-0.5	-0.4	+0.3	+1	104	168
5 England SE & Central S	17.9	-3.4	-0.1	+0.1	0.0	+0.6	+2	103	147
6 Scotland W	14.6	-8.4	-1.0	-1.0	-1.0	+0.2	+2	131	121
7 England NW & Wales N	17.3	-6.8	-0.8	-0.3	-0.5	+0.3	+3	137	117
8 England SW & Wales S	18.0	-4.5	-0.7	-0.5	-0.5	-0.3	+2	104	130
N Ireland	15.5	-5.5	-1.4	-1.8	-1.6	-0.1	+3	115	119
Scotland	15.9	-10.3	-0.9	-0.9	-0.9	+0.2	+2	140	113
England & Wales	18.0	-7.4	-0.3	-0.2	-0.2	+0.3	+2	108	143

*Highest maximum and lowest minimum of District Value Stations.

FHL

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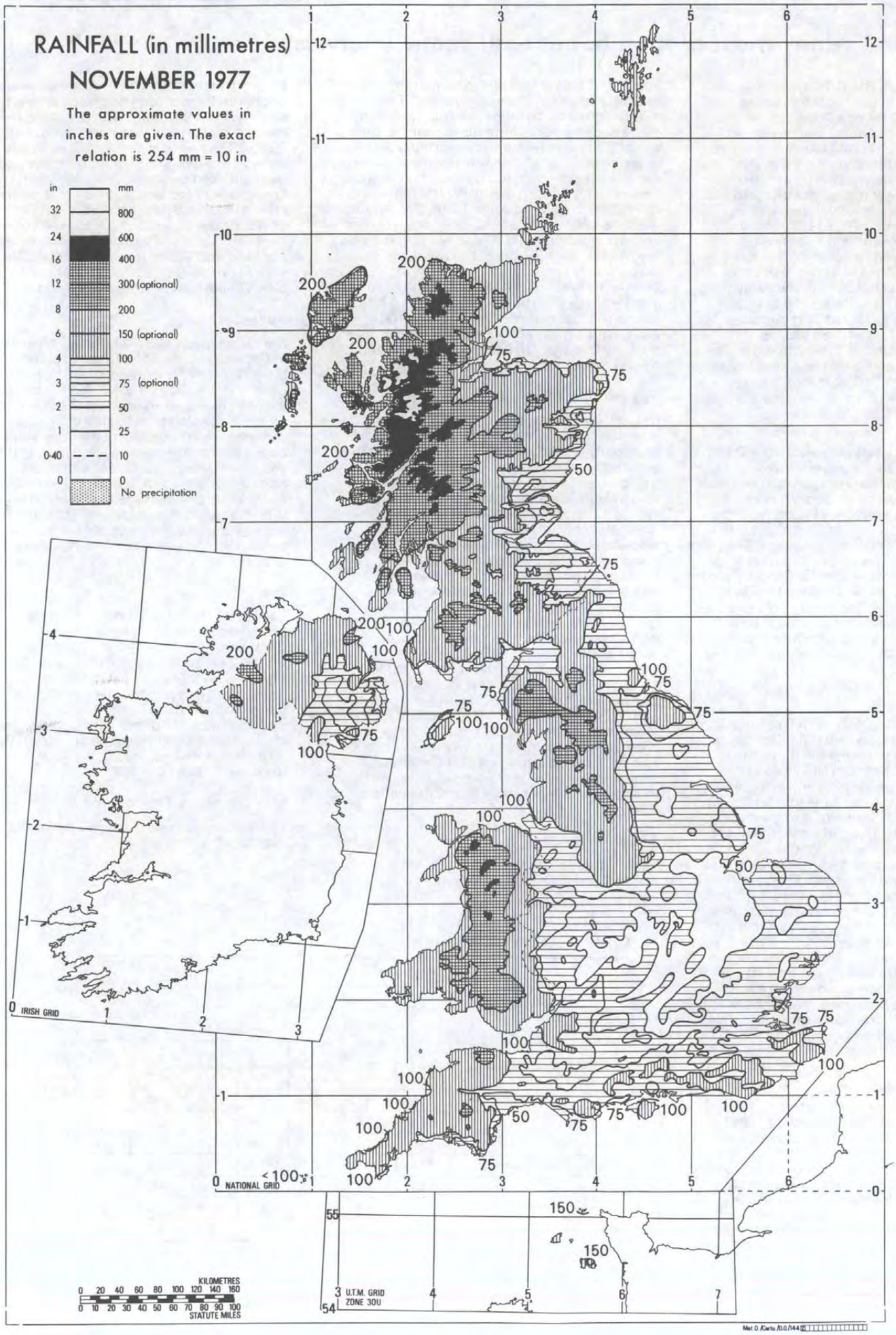
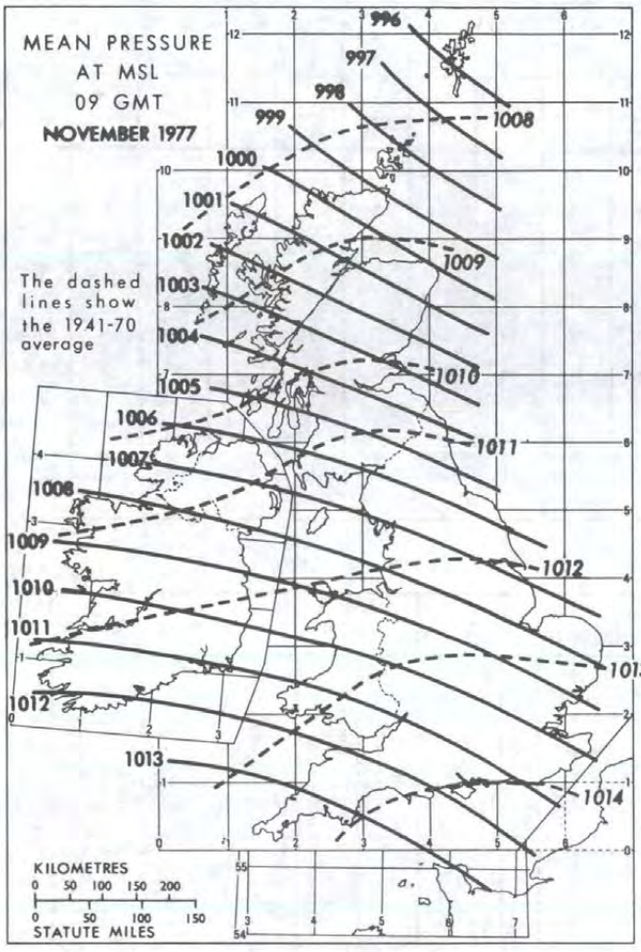
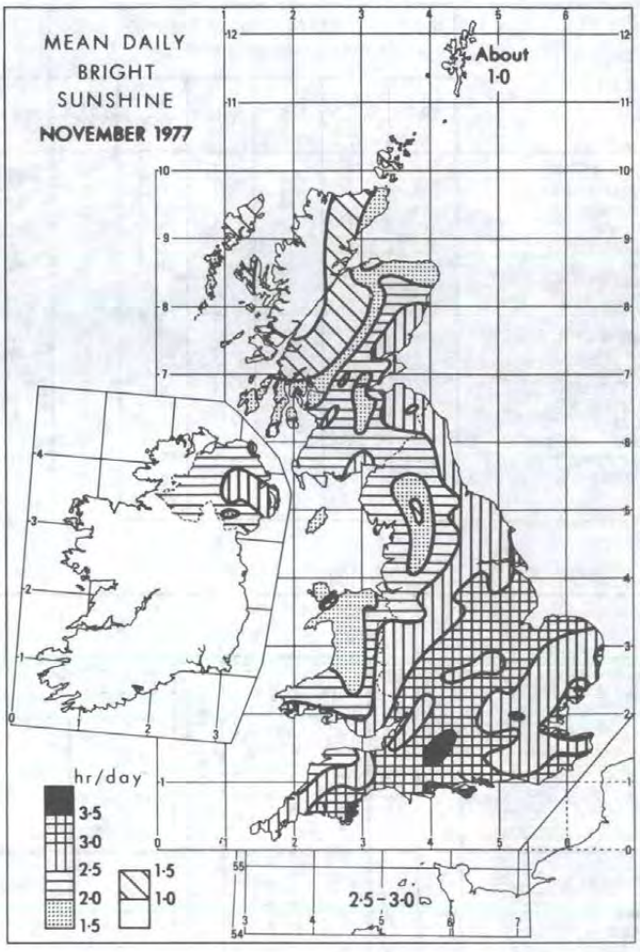
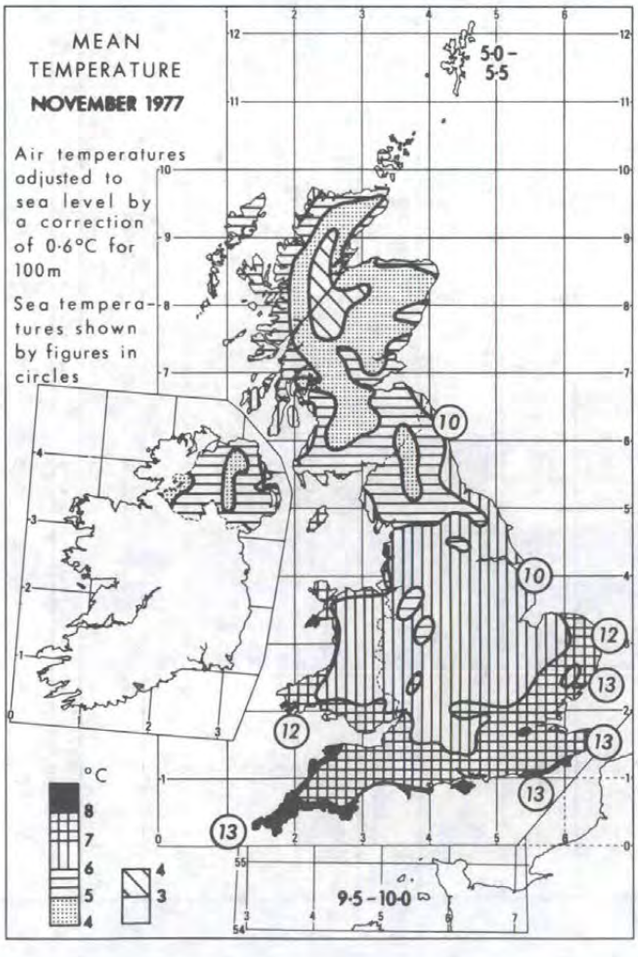

RAINFALL (in millimetres)
NOVEMBER 1977
The approximate values in inches are given. The exact relation is 254 mm = 10 in
in
mm
32
800
24
600
16
400
12
300 (optional)
8
200
6
150 (optional)
4
100
3
75 (optional)
2
50
1
25
0·40
10
0
0
No precipitation
IRISH GRID
NATIONAL GRID
U.T.M. GRID ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES


MEAN PRESSURE AT MSL 09 GMT
NOVEMBER 1977
The dashed lines show the 1941-70 average
996
997
998
999
1000
1001
1002
1003
1004
1005
1006
1007
1008
1009
1010
1011
1012
1013
1014
KILOMETRES
0 50 100 150 200
0 50 100 150
STATUTE MILES


MEAN DAILY BRIGHT SUNSHINE
NOVEMBER 1977
About 1·0
hr/day
3·5
3·0
2·5
2·0
1·5
1·5
1·0
2·5 - 3·0


MEAN TEMPERATURE
NOVEMBER 1977
Air temperatures adjusted to sea level by a correction of 0·6°C for 100m
Sea temperatures shown by figures in circles
5·0 - 5·5
10
10
12
13
12
13
13
13
°C
8
7
6
5
4
4
3
9·5 - 10·0

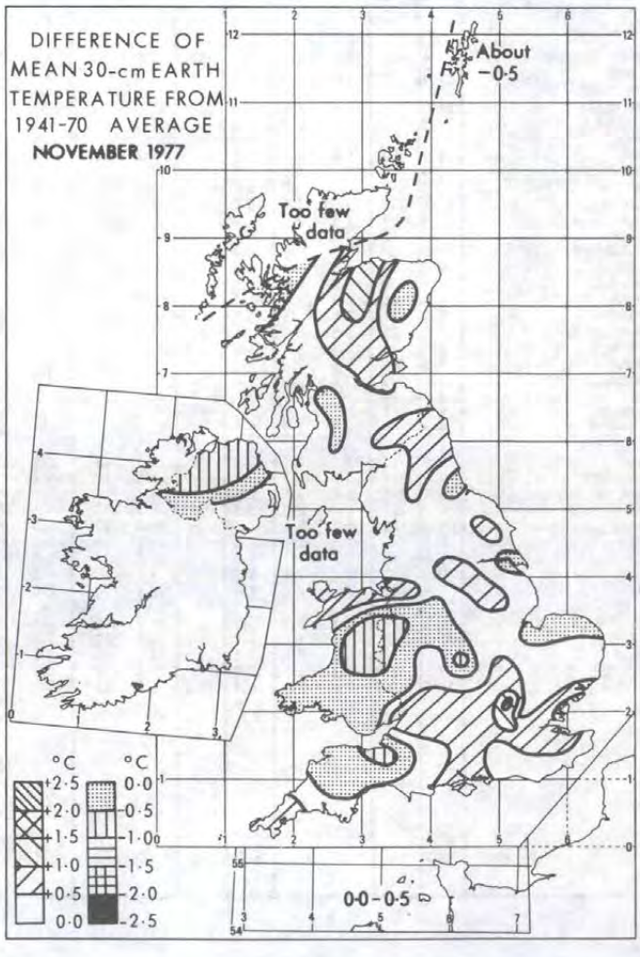

DIFFERENCE OF MEAN 30-cm EARTH TEMPERATURE FROM 1941-70 AVERAGE
NOVEMBER 1977
About -0·5
Too few data
Too few data
°C
+2·5
+2·0
+1·5
+1·0
+0·5
0·0
°C
0·0
-0·5
-1·0
-1·5
-2·0
-2·5
0·0 - 0·5

TABLE 2 SOLAR RADIATION AND ILLUMINATION

NOVEMBER 1977

STATION	GLOBAL RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						DIFFUSE RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						GLOBAL ILLUMINATION ON A HORIZONTAL SURFACE (KILOLUX-HOURS)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	71	6	13	19.25	37.2	29	59	3	12	25	29.7	29						
ABERDEEN UNIVERSITY	142	1	18	20	64.9	30												
ESKDALEMUIR	127	17	7	10	71.6	30	76	4	6	10	40.4	30	143	17	10	10	85.0	30
ABERPORTH	143	6	31	17	78.7	29	104	6	31	17	59.1	29						
CARDINGTON	177	4	33	30	108.3	29	123	25	33	30	73.6	29						
SILSOE	206	4	29	30	114.1	30	115	1	28	30	65.9	30						
ROTHAMSTED																		
GARSTON																		
WALLINGFORD	184	4	32	14	90.8	30												
LONDON WEATHER CENTRE	196	4	31	30	106.4	29	110	1	30	30	66.8	29	237	4	41	30	131.5	29
KEW	197	4	28	30	104.3	30	106	1	28	30	64.9	30	240	4	32	30	123.4	30
EASTHAMPSTEAD	199	4	36	30	106.7	30	107	1	35	30	64.8	30	247	4	45	30	121.9	30
EAST MALLING	190	6	21	29	91.1	30												
RUSTINGTON	218	4	24	9	119.8	30												
EVERTON																		
WAREHAM	216	4	51	9	121.5	30												
JERSEY AIRPORT	224	4	21	20	105.9	30	111	4	20	20	70.7	30	306	4	32	20	136.0	30
ALDERGROVE	142	2	24	23	82.5	29	86	3	18	23	50.6	29	188	2	29	23	105.0	29

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

NOVEMBER 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL (HGHT) MAX. MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
0 SCOTLAND N																															
SHETLAND																															
BALTASOUND	9 9	24	7.2	2.4	4.8	-0.8	11.3	11	-1.9	21	6.1	-	156	122	13	18	29	24	9	2	1	0	0	0	3	-	-	3	1.00	116	-
FAIR ISLE	9 9	57	7.5	4.3	5.9	-	11.4	6.10	0.0	18	7.4	8.4	139	-	16	23	24	20	12	1	5	12	0	0	0	10	-	13	1.19	-	-
LERWICK	21-9	82																													
PSYCHROMETER			6.5	3.3	4.9	-	11.4	10	-1.1	20	-	-	148	-	15	18	25	20	7	1	4	2	0	0	3	16	14	6	1.00	93	-
SCREEN			6.5	3.2	4.9	-0.7	11.6	10	-1.3	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORKNEY																															
KIRKWALL AIRPORT	21-9	26	7.4	3.3	5.3	-0.9	12.0	10	-1.0	28	-	-	150	126	23	19	23	21	11	1	5	9	0	0	3	8	8	4	1.45	112	-
WEYLAND	9 9	24	7.7	3.3	5.5	-	12.6	10	-3.7	20	6.4	-	160	-	35	18	23	20	8	1	1	1	1	0	4	11	-	5	-	-	-
WESTERN ISLES																															
BENBECULA	21-9	6	8.1	4.2	6.1	-0.9	12.2	9	-2.0	20.21	-	-	194	-	21	2	25	25	9	0	4	8	0	0	4	8	8	10	1.63	92	-
STORNOWAY	21-9	3	7.7	2.8	5.3	-1.1	13.0	10	-2.0	20	-	-	199	-	17	19	25	24	10	1	2	10	0	0	7	10	8	7	1.25	79	-
HIGHLAND																															
ACHANY	9 9	107	6.4	0.1	3.3	-	15.0	10	-8.1	27	6.2	-	205	-	23	18	22	21	9	4	0	1	0	0	12	22	-	4	1.07	-	-
ACHNASHELLACH	9 9	67	7.1	1.3	4.2	-1.1	13.7	10	-5.7	27	-	-	429	210	46	18	26	24	8	5	1	0	1	0	10	-	-	0	-	-	-
BALMACARA	9 9	4	8.3	2.8	5.5	-	14.2	10	-3.8	27	-	-	331	215	39	5	24	23	1	0	0	0	1	0	5	-	-	1	-	-	-
CAPE WRATH	21-9	112	7.5	3.4	5.5	-1.2	12.5	10	-1.1	20	-	-	175	149	25	11	26	24	8	0	2	1	0	0	1	5	6	10	0.53	-	S
CASSLEY	9 9	99	7.1	1.2	4.1	-	14.5	10	(-6.0)	27	-	-	370	-	40	14	25	23	-	-	-	-	-	-	6	26	-	-	-	-	-
CORPACH	9 9	8	7.0	1.3	4.1	-	13.5	10	-4.9	27	-	-	382	-	58	10	23	22	3	1	0	4	2	2	11	17	-	0	-	-	-
CRAIGDARROCH	9 9	38	7.0	0.5	3.7	-	15.3	10	-6.9	27	-	-	195	-	28	14	24	21	9	5	1	0	0	0	13	19	-	0	-	-	-
DALCROSS	9 9	11	7.3	1.9	4.6	-	14.9	10	-4.8	27	-	-	114	-	17	19	22	17	-	1	-	-	-	0	5	13	-	1	-	-	-
DALWHINNIE	9 9	351	5.0	-1.4	1.8	-	11.6	10	-9.2	27	-	-	243	-	25	11	24	23	16	4	0	0	0	2	15	18	-	0	1.29	-	S
DIABAIG	9 9	46	8.2	3.3	5.7	-	13.4	9	-2.1	21	-	-	284	-	24	15	24	24	10	2	0	14	1	-	3	-	-	9	-	-	S
DOUNREAY	9 9	21	8.8	2.5	5.7	-	15.0	10	-2.5	27	-	-	142	142	28	19	23	20	1	0	0	1	0	0	3	7	-	0	1.22	-	-
FORT AUGUSTUS	9 9	21	6.3	0.9	3.6	-1.7	13.7	10	-7.3	27	-	-	232	-	27	11	24	21	8	5	0	1	1	6	12	-	-	0	0.91	85	-
FORTROSE	9 9	5	7.3	3.1	5.2	-1.3	(15.0)	10	-2.0	27	-	-	126	221	16	19	23	19	-	0	-	-	-	0	4	-	-	-	1.42	87	-
GLENMORE LODGE	9 9	341	5.3	-0.9	2.2	-	14.0	10	-9.0	28	-	-	180	171	19	19	24	20	12	14	0	0	0	1	16	21	20	0	1.22	-	S
GRANTOWN-ON-SPEY	9 9	229	5.6	-1.0	2.3	-	13.3	10	-10.7	28	-	-	171	-	23	19	25	22	9	12	0	0	0	0	17	25	-	0	1.56	-	-
HEASTE	9 9	109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INVERNESS	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INVERPOLLY	9 9	14	8.3	3.0	5.7	-	15.0	9	-4.1	21	7.3	-	230	-	27	3	26	24	4	0	0	0	2	0	5	13	-	4	-	-	S
ISLE OF RHUM	9 9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KEISS	9 9	30	7.2	1.7	4.5	-	14.3	10	-2.5	28	6.1	8.1	114	-	30	19	20	16	2	1	1	6	0	0	5	18	-	2	1.81	-	-
KNOCKANROCK	9 9	244	6.2	1.3	3.7	-	12.5	10	-4.2	21	-	-	367	167	46	14	25	24	14	5	0	7	1	1	9	15	-	1	-	-	-
LAGGANLIA	9 9	250	5.5	-0.6	2.5	-	13.8	10	-12.3	28	-	-	137	-	17	8	24	20	12	9	0	1	0	1	13	-	-	0	-	-	-
LAIRG	9 9	107	6.7	0.0	3.3	-	15.8	10	-7.7	27	5.0	7.1	211	-	23	18	24	21	12	4	4	0	0	2	12	19	-	0	-	-	-
LENTRAN	9 9	146	6.1	0.4	3.3	-	14.0	10	-6.5	27	-	-	135	-	22	8	23	18	9	3	0	0	0	0	11	21	-	0	-	-	-
NAIRN	9 9	6	7.5	1.4	4.5	-1.1	15.1	10	-5.8	28	-	-	100	182	14	19	22	16	2	0	0	0	0	0	7	18	-	1	1.82	105	-
ONICH	9 9	15	7.2	1.3	4.3	-1.8	14.0	10	-5.5	27,28	-	-	311	174	33	7	24	22	-	2	-	-	-	1	10	16	-	-	0.88	70	S
POOLEWE	9 9	6	8.4	3.5	5.9	-	14.4	10	-3.6	21	-	-	246	-	27	18	25	24	7	2	1	11	3	0	3	9	-	3	0.78	-	S
PRABOST	9 9	67	7.4	2.2	4.8	-	12.9	10	-2.0	21,27	-	-	283	152	23	11	27	24	2	1	1	15	1	0	5	17	-	6	1.00	-	-
RUBH RE	21-9	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STRATHCONON	9 9	107	6.5	0.0	3.3	-	14.7	10	-8.1	27	-	-	311	-	38	14	24	23	7	4	0	0	2	-	12	-	-	0	-	-	-
TARBATNESS	21-9	18	7.1	2.6	4.9	-1.1	15.0	10	-3.4	27	-	-	64	-	8	23	22	17	1	0	0	0	0	0	4	-	-	1	-	-	-
TOMATIN	9 9	311	5.2	-0.6	2.3	-	13.6	10	-8.6	21,27	-	-	213	-	30	14	24	21	13	-	0	1	0	-	15	-	-	0	-	-	-
TORRISDALE	9 9	27	7.9	2.1	5.0	-	15.0	10	-4.5	27	-	-	174	-	24	19	23	21	6	0	0	5	0	0	5	9	-	6	1.10	-	-
WICK	21-9	36	7.1	2.6	4.9	-1.0	13.2	10	-3.9	28	-	-	111	134	29	19	22	16	4	0	0	11	0	0	5	15	9	3	1.71	105	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

NOVEMBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 50 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	FIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
1 SCOTLAND E																																
GRAMPIAN																																
ABERDEEN																																
DYCE AIRPORT	21-9	58	7.2	1.8	4.5	-0.8	14.4	10	-6.4	28	-	-	69	80	13	20	18	15	12	1	1	5	0	0	7	17	12	1	2.26	116	-
MANNOFIELD	9 9	16	-	-	-	-	-	-	-	-	-	-	63	78	10	17	18	15	1	1	0	0	0	0	-	20	-	0	-	-	S
BALMORAL	9 9	283	5.4	-0.3	2.5	-0.8	13.6	10	-10.0	28	-	-	126	150	15	19	23	23	7	12	0	0	0	-	16	21	-	1	-	-	-
BANCHORY	8 8	77	7.3	1.2	4.3	-	15.5	10	-6.0	28,29	-	-	80	-	17	20	22	15	9	4	0	1	0	1	7	16	16	0	-	-	-
BANFF	9 9	24	7.9	3.2	5.5	-	15.5	10	-2.3	28	-	-	85	108	12	14	20	17	2	0	3	0	0	0	3	-	-	8	1.53	-	S
BRAEMAR	9 9	339	-	-0.5	-	-	-	-	-10.3	28	-	-	145	163	17	14	23	23	-	13	-	-	-	0	13	28	-	-	1.34	123	S
CLASHNOIR	9 9	338	5.3	-0.6	2.3	-	13.6	10	-6.9	27	4.0	-	140	-	23	14	23	20	12	14	0	1	0	1	16	24	-	2	1.87	-	-
CRAIBSTONE	9 9	91	7.2	2.4	4.8	-0.5	14.0	10	-2.8	28	6.1	8.1	64	73	12	20	18	16	4	2	0	0	0	0	4	19	-	2	2.37	121	-
CULTERTY	3	7.6	1.5	4.5	-	14.5	10	-5.9	28	-	-	75	103	14	14	20	15	4	-	0	0	0	0	7	17	-	0	-	-	-
ELGIN	9 9	15	7.8	2.0	4.9	-	16.0	10	(-6.0)	28	-	-	77	117	11	14	23	15	-	-	-	-	-	1	4	19	-	-	1.46	-	S
FOREHILL	9 9	40	7.5	2.1	4.8	-	12.7	10	-2.2	28	-	-	77	-	15	14	21	17	5	-	0	6	0	0	5	10	-	0	-	-	-
FORRES	9 9	5	7.6	2.2	4.9	-0.4	15.8	10	-4.7	27	5.7	8.9	85	-	13	14	21	19	7	0	0	0	0	0	5	18	-	1	1.35	75	-
FRASERBURGH	21-9	19	8.2	3.7	5.9	-	14.8	10	-0.4	28	-	-	96	123	19	14	21	20	3	0	0	0	0	0	1	7	4	7	1.72	-	-
FYVIE CASTLE	9 9	55	7.2	0.7	3.9	-	15.0	10	-7.5	28	-	-	112	119	17	20	23	19	3	-	0	0	0	-	8	17	-	11	-	-	S
GARTLY	9 9	146	7.0	1.1	4.1	-	15.2	10	-5.6	28	-	-	145	-	23	17	21	18	-	-	-	-	-	-	7	24	-	-		-	-
GLENLIVET	21-9	215	5.9	0.7	3.3	-	15.6	10	-8.0	28	-	-	157	176	21	14	24	19	10	4	1	0	0	1	13	14	19	1	2.00	-	S
INVERURIE	9 9	54	7.2	0.7	3.9	-	15.5	10	-8.4	28	-	-	90	-	17	20	20	15	5	2	0	0	0	1	10	21	-	0	2.05	-	-
KEITH	9 9	106	7.1	0.4	3.7	-	16.0	10	-7.7	28	-	-	139	-	28	19	24	19	4	-	0	0	0	-	10	21	-	0	1.75	-	-
KINLOSS	21-9	5	7.3	2.4	4.9	-0.8	15.9	10	-6.2	27	7.9	-	76	135	9	14	22	15	8	0	0	6	0	0	6	18	9	4	1.41	-	-
LOSSIEMOUTH	21-9	6	7.3	2.0	4.7	-	15.7	10	-7.2	28	-	-	64	110	9	16	22	15	8	0	0	5	0	0	5	14	12	6	-	-	-
TAYSIDE																																
ARBROATH	9 9	28	7.8	2.9	5.3	-	13.0	10	-2.5	28	-	-	42	65	5	9	15	14	1	2	0	0	0	0	5	19	-	0	2.89	131	-
ARDTALNAIG	9 9	130	6.4	2.0	4.2	-	13.5	10	-4.2	27	-	-	167	139	23	6	19	18	5	0	0	0	2	2	6	14	-	5	1.06	-	-
DRUMMOND CASTLE	9 9	113	7.5	1.3	4.4	-	13.3	10	-6.2	28	6.2	-	186	-	39	6	20	18	2	0	0	0	1	-	8	21	-	0	2.23	-	S
DUNDEE	9 9	45	8.1	1.5	4.8	-0.7	13.5	10	-5.2	28	6.0	-	57	82	8	9.19	16	15	2	1	0	0	0	1	8	23	-	0	2.88	141	-
FASKALLY	9 9	94	6.7	0.6	3.7	-	14.0	10	-8.0	28	6.4	8.9	126	158	16	6.8	22	19	7	2	0	0	0	0	9	21	-	0	-	-	-
KINDROGAN	9 9	259	5.3	-0.2	2.5	-	13.0	10	-8.0	28	-	-	128	-	22	8	23	19	11	7	0	1	0	0	14	24	-	2	-	-	-
KINROSS	9 9	116	7.1	0.4	3.7	-	13.7	10	-7.9	28	4.7	-	105	-	14	9	18	17	-	0	-	-	-	-	11	16	-	-	1.85	-	-
MONTROSE	9 9	57	7.2	1.8	4.5	-	13.6	10	-4.6	28	-	-	59	85	12	20	20	15	3	2	0	0	0	0	6	19	-	4	-	-	-
MYLNEFIELD	9 9	30	7.5	1.8	4.7	-	14.4	10	-5.5	28,29	6.1	8.8	54	82	9	8	18	12	1	1	0	0	0	1	6	23	-	0	2.87	-	-
PERTH	9 9	23	7.8	1.4	4.6	-0.6	13.6	10	-7.5	29	-	-	70	103	15	8	16	13	-	0	-	-	-	0	9	20	-	-	-	-	-
STRATHALLAN	9 9	41	7.8	1.6	4.7	-	15.1	10	-6.8	29	-	-	71	-	12	8	18	15	2	0	0	2	1	0	9	18	-	4	-	-	-
USAN	21-9	30	7.3	2.4	4.9	-	13.7	10	-2.7	29	-	-	51	-	5	9	19	14	1	1	0	0	0	0	8	11	10	0	2.98	-	-
WHITEHILLOCKS	9 9	258	6.3	0.8	3.5	-	12.7	10	-5.9	27	-	-	148	116	(20)	20	23	19	3	3	-	-	-	0	10	16	-	-	-	-	S
FIFE																																
BELLISTON	9 9	82	7.7	2.6	5.1	-	13.5	10	-1.6	21	6.9	-	68	90	10	9	17	15	2	1	0	0	0	1	5	16	-	0	-	-	-
CUPAR	9 9	36	7.6	1.5	4.5	-	14.1	10	-6.6	28	6.0	-	65	-	12	8	18	14	2	2	0	1	0	-	9	20	-	1	2.32	-	S
GLENROTHES	9 9	117	7.2	1.3	4.3	-	13.8	10	-5.0	28,30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-
LEUCHARS	21-9	10	7.7	2.3	5.0	-0.9	14.6	10	-3.8	28	-	-	56	86	9	9	15	13	2	1	1	0	0	0	10	15	15	2	2.97	131	-
PITREAVIE	21-9	40	7.2	2.5	4.9	-	14.4	10	-4.7	28	-	-	84	125	18	9	19	14	2	0	1	0	1	2	9	14	12	1	-	-	-
ST ANDREWS	9 9	18	7.9	2.4	5.1	-	14.2	10	-3.6	27	6.3	8.8	63	83	9	9	15	13	2	1	0	0	0	0	7	15	-	0	2.82	-	-
LOTHIAN																																
BLACKBURN SEWAGE WORKS	9 9	131	(7.4)	(0.9)	(4.1)	-	13.8	10	-7.0	28	-	-	122	-	20	9	19	17	-	-	-	-	-	-	8	-	-	-	-	-	-
BUSH HOUSE	9 9	184	7.2	1.4	4.3	-	13.4	10	-6.3	28	5.7	8.0	97	112	16	5	23	17	5	2	2	0	1	0	8	18	-	1	2.13	-	-
DUNBAR	9 9	23	8.5	3.2	5.9	-0.6	15.4	10	-2.5	28	-	-	53	85	10	9	17	9	1	0	0	0	0	0	6	11	-	0	2.85	133	-
EDINBURGH																																
EAST CRAIGS	9 9	61	7.8	1.1	4.5	-	14.7	10	-7.5	28	6.4	-	74	-	17	9	16	13	2	0	0	0	2	1	9	14	-	0	2.40	-	S
ROYAL BOTANIC GARDEN	9 9	26	8.4	2.3	5.3	-0.5	15.2	10	-5.5	28	6.9	-	70	116	16	9	17	12	1	0	0	0	0	0	8	19	-	0	2.55	148	-
ROYAL OBSERVATORY																																
BLACKFORD HILL	9 9	134	7.4	2.0	4.7	-1.3	14.0	10	-2.6	28	-	-	70	109	15	9	16	12	2	2	0	0	0	0	8	10	-	4	2.54	133	-
TURNHOUSE AIRPORT	21-9	35	7.6	1.9	4.7	-1.0	14.9	10	-7.8	28	-	-	78	121	17	9	18	13	3	0	1	4	2	1	10	18	14	0	2.25	128	-
HADDINGTON	9 9	49	8.2	1.8	5.0	-	15.0	10	-6.0	29	-	-	57	87	10	20	16	10	1	1	0	0	1	0	9	-	-	0	-	-	S
LIVINGSTON	9 9	125	7.1	0.9	4.0	-	13.9	10	-7.2	28	4.9	-	113	-	18	9	22	19	3	2	0	0	1	0	10	19	-	0	-	-	-
NUNRAW ABBEY	9 9	195	7.0	1.1	4.1	-	13.8	10	-4.8	21	-	-	68	-	11	20	21	14	-	3	-	-	-	-	12	-	-	-	-	-	-
PATHHEAD	9 9	131	7.5	1.9	4.7	-	14.1	10	-4.3	28	5.7	-	66	-	(13)	20	19	12	4	1	0	0	0	0	8	13	-	0	-	-	-
PENICUIK	9 9	189	7.0	1.4	4.2	-0.6	13.2	10	-6.1	28	5.9	-	94	104	15	9	20	16	6	2	0	0	0	0	8	18	-	3	1.90	125	S
BORDERS																																
BLYTH BRIDGE	9 9	253	6.3	0.4	3.3	-	13.0	10	-7.0	28	-	-	100	111	17	5	23	18	8	1	2	1	1	1	12	19	-	0	1.93	-	-
BLYTHE	9 9	262	6.7	0.8	3.7	-	12.5	10	-4.7	21	-	-	81	88	15	9	24	17	11	3	-	-	-	0	15	21	-	-	2.80	-	-
BONCHESTER BRIDGE	9 9	146	7.3	0.5	3.9	-	13.9	6	-5.9	30	-	-	89	-	15	5	24	17	6	2	0	0	0	0	14	-	-	0	-	-	-
BOWHILL (SELKIRK)	9 9	168	7.1	1.1	4.1	-	13.0	10	-5.0	27	-	-	82	96	12	9	20	15	6	1	0	0	2	0	8	-	-	2	-	-	-
FLOORS CASTLE	9 9	59	7.6	2.1	4.9	-	14.4	10	-5.0	30	-	-	61	86	14	9	19	14	2	0	0	0	0	0	7	-	-	0	-	-	-
GALASHIELS	9 9	198	7.0	1.4	4.2	-	13.4	10	-4.6	29	-	-	78	-	14	9	22	16	5	1	0	0	0	0	8	16	-	0	2.77	-	S
GLENTRESS	9 9	165	7.1	0.7	3.9	-	14.0	10	-6.5	29,30	-	-	76	89	14	9	23	20	-	0	-	-	-	1	12	-	-	-	-	-	-
GREYCROOK	9 9	76	7.6	1.5	4.5	-	13.6	10	-6.0	29,30	7.0	-	72	-	14	9	18	14	4	1	1	0	1	-	8	21	-	2	-	-	-
KELSO	9 9	34	8.0	2.2	5.1	-	14.6	10	-4.4	30	-	-	55	-	13	9	18	13	2	0	0	0	0	0	8	18	-	0	-	-	S
LEITHOLM	9 9	64	7.9	1.9	4.9	-	14.2	10	-4.3	30	6.5	-	63	-	18	16	22	12	1	1	0	0	0	0	8	18	-	4	2.64	-	-
ST ABBS HEAD	9 9	75	8.5	3.8	6.1	-0.6	14.2	10	0.1	24	-	-	-	-	-	-	-	-	1	0	0	1	0	0	0	2	2	16	-	-	-
STANHOPE FARM	9 9	226	6.2	0.3	3.3	-	12.9	10	-8.6	29	-	-	116	101	14	6	20	19	8	1	0	3	0	1	11	18	-	0	-	-	-
WEST LINTON	9 9	244	7.0	0.4	3.7	-0.5	13.2	10	-7.4	28	4.6	8.0	104	111	13	9	24	20	1	-	0	0	0	4	14	17	-	0	-	-	-
WHITCHESTER	9 9	255	6.7	1.2	3.9	-	12.2	10	-3.6	21	-	-	86	86	23	20	21	15	6	4	0	3	0	-	9	-	-	6	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — NOVEMBER 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HIGHT: OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
6 SCOTLAND W																															
STRATHCLYDE																															
ACHAGLACHGACH	9 9	12	8.4	2.1	5.3	-	14.3	10	-5.0	26	-	-	231	134	(22)	7	24	21	-	-	-	-	-	10	17	-	-	-	-	-
AROS	9 9	37	8.4	2.1	5.3	-	14.4	9	-4.5	27	-	-	287	-	31	7	24	24	-	2	-	-	-	7	18	-	-	-	-	-
AUCHINCRUIVE	9 9	45	8.5	2.7	5.6	-0.5	14.0	10	-4.2	28	7.6	9.6	135	151	23	6	21	20	1	1	2	1	1	0	10	13	-	4	2.49	135	-
BARRHEAD	9 9	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENMORE(YOUNGER BOTANIC GARDEN) ...	9 9	12	7.4	1.8	4.6	-	14.4	10	-6.0	27,28,29	7.4	-	315	146	41	6	21	19	2	1	1	5	1	2	10	18	-	0	-	-	-
BRODICK CASTLE	9 9	15	8.7	3.0	5.9	-	13.9	10	-3.3	26	7.6	-	290	155	35	6	24	20	3	1	3	2	0	0	8	16	-	0	-	-	-
CAMPS RESERVOIR ...	9 9	295	5.7	-0.3	2.7	-	12.6	10	-8.7	28	-	-	133	107	21	6	19	19	9	1	0	1	1	1	15	-	-	8	1.85	-	S
CARNWATH	9 9	208	6.5	-0.6	2.9	-	12.8	10	-9.1	29	6.4	-	98	121	14	9	22	17	7	2	4	1	1	3	15	19	19	7	-	-	-
COLONSAY	9 9	35	8.5	3.4	5.9	-	13.5	10	-2.6	26	-	-	152	-	12	6.12	23	21	1	0	0	8	2	0	2	-	-	7	-	-	-
CRAWFORDJOHN	9 9	274	6.0	-0.8	2.6	-	13.0	10	-9.5	28	6.2	-	-	-	-	-	-	-	7	1	0	2	1	1	15	16	16	2	2.44	-	-
CUMNOCK	9 9	99	7.8	0.7	4.3	-	14.0	9,10	-5.8	21	6.7	-	183	-	25	3	21	19	3	1	0	2	1	0	12	14	-	0	2.33	-	-
DUNSTAFFNAGE	9 9	3	8.1	2.8	5.5	-	14.4	10	-2.5	21	-	-	232	-	30	7	21	20	1	1	0	2	0	0	8	9	-	10	-	-	-
EAST KILBRIDE	9 9	178	6.8	1.5	4.1	-	13.3	10	-6.3	28	-	-	181	-	35	6	21	20	2	2	0	1	0	-	9	17	-	0	2.67	-	-
FINNART	9 9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GIRVAN	9 9	8	8.8	3.9	6.3	-	14.5	9	-3.0	28	-	-	119	115	13	6	20	19	1	1	0	0	0	0	6	10	-	10	2.13	-	-
GLASGOW ABBOTSINCH AIRPORT ...	21-9	5	7.1	1.8	4.5	-1.5	14.6	10	-8.1	27	-	-	131	-	29	6	21	19	6	3	0	8	0	4	11	14	13	0	2.18	141	-
SPRINGBURN PARK ...	9 9	107	6.9	1.9	4.4	-0.9	13.5	10	-5.0	28	-	-	138	145	30	9	21	20	3	1	0	3	0	6	8	16	-	0	2.30	160	-
WEATHER CENTRE (X)	21-9	40	7.5	3.6	5.5	-	14.5	10	-4.6	29	-	-	115	-	21	9	21	17	1	-	2	1	0	2	7	-	-	0	2.14	-	-
GREENOCK	9 9	61	-	-	-	-	-	-	-	-	-	-	197	136	42	6	20	20	-	-	-	-	-	-	-	-	-	-	-	-	S
HELENSBURGH	9 9	89	7.3	1.5	4.4	-1.2	12.6	10	-4.5	28	-	-	187	141	32	6	21	19	-	1	-	-	-	2	8	-	-	-	1.80	-	-
HUNTERSTON	9 9	8	8.7	3.9	6.3	-	13.4	10	-3.5	21	-	-	124	-	17	6	20	18	1	0	0	2	1	0	5	-	-	6	-	-	-
KILDONAN	9 9	18	8.6	3.4	6.0	-	12.6	10	-1.5	21	-	-	195	-	31	3	22	17	2	-	0	2	2	0	3	11	12	6	2.78	-	-
KNAPDALE FOREST ...	9 9	12	8.0	1.7	4.9	-	14.4	10	-6.0	26,28	-	-	237	-	31	13	21	21	2	0	0	0	0	1	9	10	-	2	-	-	-
LANARK	9 9	152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEADHILLS	9 9	388	5.5	-0.5	2.5	-	12.0	10	-6.2	26	-	-	202	125	32	3	18	17	13	0	1	2	2	0	14	17	-	11	-	-	-
MACHRIHANISH	21-9	10	8.6	3.8	6.2	-	15.0	10	-2.8	29	-	-	129	102	17	6	22	19	6	0	3	9	1	0	8	10	9	13	2.54	-	-
MILLPORT	9 9	5	8.9	3.7	6.3	-	13.0	5	-2.5	21	-	-	123	115	17	9	19	18	2	-	0	1	0	0	1	-	-	1	-	-	-
PAISLEY	9 9	32	7.4	2.5	4.9	-1.4	14.2	10	-4.6	28	6.3	10.1	156	150	32	6	21	20	1	0	1	0	2	3	6	13	-	0	1.93	134	-
PRESTWICK	21-9	16	8.0	2.9	5.5	-	14.2	10	-5.4	28	-	-	129	148	17	6	21	19	4	1	1	0	2	0	10	11	11	2	2.19	-	-
RHUVAAL	21-9	20	8.6	4.7	6.7	-	14.2	10	-0.2	30	-	-	189	139	26	6	22	22	1	0	9	0	0	0	1	5	4	9	-	-	-
ROTHESAY	9 9	43	8.0	3.2	5.6	-	13.5	10	-1.0	21,22,28	7.3	9.3	179	135	19	9	19	19	0	0	1	0	0	0	4	14	-	0	-	-	-
SLOY	21-9	12	7.5	2.9	5.2	-	15.0	10	-5.5	28	-	-	373	-	67	6	23	20	2	-	0	2	0	0	7	-	-	0	-	-	-
STRONACHULLIN	9 9	2	8.5	2.8	5.7	-	14.9	10	-3.2	26	-	-	283	-	(34)	13	21	20	1	0	2	0	0	0	7	13	-	0	-	-	-
TIREE	21-9	9	8.7	4.5	6.6	-1.0	13.3	10	-0.8	26	-	-	123	108	13	9	24	23	2	1	1	17	1	0	2	6	8	11	1.70	101	-
CENTRAL																															
ARROCHYMORE	9 9	30	8.0	2.1	5.1	-	14.7	10	-5.1	28	-	-	206	-	34	6	21	20	-	1	-	-	-	2	7	15	-	-	1.61	-	-
CALLANDER	9 9	107	-	-	-	-	-	-	-	-	-	-	218	162	36	6	19	18	1	0	0	0	0	0	-	-	-	0	-	-	-
EARLS HILL	21-9	335	5.3	0.5	2.9	-	11.8	10	-3.5	28	-	-	229	-	46	6	21	20	5	-	1	0	2	0	15	17	17	7	2.56	-	-
FALKIRK	9 9	3	7.9	1.8	4.9	-	14.7	10	-5.6	28	-	-	126	-	22	9	20	17	2	0	0	0	0	3	8	-	-	0	1.92	-	-
GRANGEMOUTH	9 9	4	(7.9)	(2.3)	(5.1)	-	14.5	10	(-5.5)	28	-	-	(125)	-	(21)	9	20	19	1	0	0	0	0	3	8	-	-	0	-	-	-
PARKHEAD	9 9	107	7.6	1.5	4.5	-	14.4	10	-7.5	28	6.1	-	136	-	21	6	18	18	-	0	-	-	-	0	9	-	-	-	-	-	-
STIRLING(BATTERFLATS)	9 9	38	7.7	1.3	4.5	-	14.2	10	-7.2	28	7.2	9.2	153	-	26	6	20	17	3	0	0	0	1	1	9	18	-	0	2.50	-	-
DUMFRIES & GALLOWAY																															
BARGRENNAN	9 9	110	7.9	0.7	4.3	-	(13.6)	10	-6.2	26	-	-	186	116	29	9	21	19	6	1	0	3	3	0	12	22	-	1	-	-	-
CLATTERINGSHAWS ...	9 9	178	7.2	1.3	4.3	-	12.6	10	-5.6	28	-	-	239	116	29	23	20	19	6	0	12	0	3	0	8	-	-	11	2.27	-	-
DUMFRIES	9 9	49	8.2	2.5	5.3	-0.5	13.7	10	-5.1	30	7.8	9.6	101	96	15	9	19	14	2	0	0	0	2	1	8	19	-	1	2.78	149	-
DUNDEUGH	9 9	119	7.6	0.9	4.3	-	13.3	10	-8.3	28	7.0	-	223	149	34	6	20	19	0	0	0	0	0	0	11	-	-	0	-	-	-
ESKDALEMUIR	21-9	242																													
PSYCHROMETER			5.9	1.1	3.5	-	12.3	10	-8.3	29	8.0	9.6	192	131	21	5	21	18	11	0	0	5	3	0	12	20	16	3	2.31	128	-
SCREEN			6.1	1.2	3.7	-0.8	12.5	10	-8.4	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-
GIRDSTINGWOOD	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50	-	-
GLENLEE	9 9	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GLENLOCHAR BARRAGE ...	9 9	47	8.0	2.0	5.0	-	13.4	10	-5.1	30	-	-	126	97	17	6	19	16	0	0	0	0	1	0	9	-	-	3	-	-	-
PALNURE	9 9	15	8.3	1.2	4.7	-	13.7	10	-4.4	26	-	-	115	86	11	9	19	17	2	0	0	2	1	0	11	22	-	1	-	-	-
PENWHIRN	9 9	166	7.4	1.6	4.5	-	13.0	9	-5.0	26,27,28	-	-	124	81	11	1.12	20	18	11	1	0	13	1	0	10	13	-	3	1.97	-	-
THREAVE	9 9	73	7.6	1.9	4.7	-	13.1	10	-5.2	30	6.7	-	99	75	15	9	18	16	1	0	4	1	4	0	8	17	-	4	-	-	-
2 ENGLAND E & NE																															
NORTHUMBERLAND																															
BOULMER	21-9	23	8.2	3.7	5.9	-	15.5	10	-0.5	29	7.0	9.2	95	-	19	9	18	15	6	1	1	2	0	0	2	11	9	2	2.83	-	-
COCKLE PARK	9 9	99	8.1	2.7	5.4	-	14.8	10	-1.6	29	6.3	-	88	-	19	21	20	18	2	1	0	1	0	0	4	16	-	2	2.59	-	-
HAYDON BRIDGE	9 9	79	7.9	1.9	4.9	-	14.7	10	-4.7	30	6.4	8.9	81	105	15	9	24	15	5	1	0	0	0	0	9	-	-	0	-	-	-
KIELDER CASTLE ...	9 9	201	6.7	0.4	3.5	-0.8	13.0	10	-7.0	29	6.8	-	142	111	20	9	24	18	3	1	1	0	1	0	14	-	-	4	-	-	-
LETHAMHILL FARM ...	9 9	76	(7.9)	(1.4)	(4.7)	-	15.6	10	-3.0	30	-	-	80	-	18	16	21	15	-	-	-	-	-	-	9	(19)	-	-	-	-	-
REDESDALE	9 9	238	6.5	0.7	3.6	-	12.8	10	-6.1	29	6.2	-	105	-	20	9	22	17	-	2	-	-	-	0	13	18	-	-	2.41	-	-
SEAHOUSES	21-9	11	8.4	4.0	6.2	-	15.7	10	-0.4	29	-	-	93	139	26	20	19	17	2	0	0	2	0	0	1	9	6	10	2.83	-	-
STONEHAUGH	9 9	201	6.9	0.5	3.7	-	13.1	10	-5.3	29	-	-	114	-	19	9	22	19	2	0	0	0	1	1	13	21	16	0	-	-	-
TYNE & WEAR																															
CHOPWELLWOOD	9 9	136	8.3	2.4	5.3	-0.3	16.0	10	-2.0	29,30	-	-	88	109	16	11	24	16	3	0	0	0	0	0	5	15	-	0	-	-	-
NEWCASTLE WEATHER CENTRE (X)	21-9	75	8.3	4.1	6.2	-	16.2	10	-0.5	29	-	-	75	-	12	16	20	14	6	0	0	0	0	0	1	-	7	0	2.87	-	-
TYNEMOUTH	21-9	29	8.4	4.4	6.4	-0.5	16.0	10	-0.2	29	-	-	78	116	14	16	20	16	3	0	0	0	0	0	1	10	-	2	2.90	166	-
WASHINGTON	9 9	27	9.1	3.3	6.2	-	16.0	10	-1.6	29	7.5	9.6	93	-	17	16	19	14	1	0	0	0	0	1	3	-	-	0	3.01	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM	DATE	LOWEST MINIMUM	DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
2 ENGLAND E & NE -CONTINUED																															
DURHAM																															
DURHAM	9	102	8.4	2.9	5.7	-0.1	15.0	10	-2.3	29	6.8	9.4	74	105	15	11	20	14	-	0	-	-	-	1	4	14	-	-	2.56	128	S
LOW ETHERLEY	9	155	7.5	2.3	4.9	-	14.5	10	-2.4	29	6.6	8.9	79	-	21	11	17	13	11	0	0	0	0	0	8	19	14	5	-	-	-
WIDDYBANK FELL	9	513	-	0.0	-	-	-	-	-4.5	30	5.3	-	173	-	24	11.23	25	22	-	5	-	-	-	0	17	20	-	-	-	-	-
CLEVELAND																															
HARTBURN GRANGE	9	31	8.6	2.6	5.6	-	15.7	10	-4.8	29	-	-	66	107	16	21	20	14	2	0	0	0	0	0	4	16	-	3	2.32	-	-
HARTLEPOOL	9	9	9.1	3.9	6.5	-0.4	15.8	10	-1.5	28	-	-	83	120	17	11	19	16	1	0	0	1	0	0	3	-	-	2	2.57	-	-
NORTH YORKSHIRE																															
ASKHAM BRYAN	9	34	8.5	2.5	5.5	-	16.4	10	-4.0	29	-	-	54	85	17	21	19	13	1	0	0	0	0	0	7	20	-	0	2.69	157	-
CAWOOD	9	6	8.6	3.5	6.1	-	16.7	10	-3.0	29	7.5	9.6	62	100	14	21	17	15	0	0	0	0	0	0	4	13	-	2	2.73	-	-
HIGH MOWTHORPE	9	175	7.5	2.5	5.0	-	15.0	10	-1.4	29	7.1	-	72	83	8	16	25	20	2	0	0	0	0	0	3	17	-	1	2.48	-	-
LEEMING	21-9	32	8.7	4.0	6.3	-	16.4	10	-5.0	29	6.8	9.8	63	96	16	21	18	12	4	0	0	0	1	1	6	14	11	2	2.83	-	-
MALHAM TARN	9	395	6.7	0.9	3.8	-0.3	12.0	9	-2.6	29	(6.5)	-	207	138	28	23	24	20	4	1	0	3	1	1	13	21	-	0	-	-	-
PICKERING	9	44	8.5	1.9	5.2	-	16.3	10	-4.3	29	-	-	90	121	14	21	24	17	2	0	1	0	0	0	7	21	-	0	-	-	-
SCARBOROUGH	9	53	9.0	3.9	6.5	-	15.9	10	0.0	29	6.8	9.6	73	101	9	21	24	16	2	0	1	0	0	0	0	12	7	7	2.73	159	-
SILPHO MOOR	9	203	7.8	2.3	5.1	-	14.9	10	-1.3	28	6.4	-	96	94	12	21	26	20	3	0	1	0	0	0	3	19	-	0	2.58	-	-
SNAIZEHOLME	9	290	6.5	1.8	4.1	-	13.1	10	-4.8	29	6.5	-	242	-	40	11	23	20	3	0	0	2	0	0	10	18	-	0	1.39	-	S
WHITBY	9	41	8.9	3.5	6.2	-	15.6	10	-1.0	29	-	-	57	-	10	16	22	14	4	0	0	0	1	0	3	14	-	5	2.59	-	-
WHITBY(COASTGUARD)	21-9	60	8.7	4.8	6.7	-	15.4	10	-0.2	28	-	-	46	-	10	16	21	12	1	0	0	1	1	0	1	-	-	11	-	-	-
YORK(HESLINGTON)	9	20	8.8	3.4	6.1	-	16.8	10	-2.6	29	7.3	9.3	51	82	15	21	20	14	0	0	0	0	0	0	2	15	-	0	2.74	-	-
HUMBERSIDE																															
BRIDLINGTON	9	48	8.8	3.0	5.9	-	15.6	10	-1.3	22	-	-	63	76	13	21	21	15	4	1	0	4	1	0	4	12	-	8	2.97	-	-
BRIGG	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLEETHORPES	9	6	9.2	4.3	6.7	0.0	16.2	10	0.9	30	-	-	62	96	17	1	22	13	-	0	-	-	-	0	0	-	-	-	-	-	-
HULL	9	2	9.4	3.7	6.5	-0.2	16.5	10	-1.1	27	7.1	10.4	73	107	12	21	22	16	0	0	0	1	0	0	3	14	-	0	2.87	173	-
LINCOLNSHIRE																															
BINBROOK	21-9	108	8.0	3.0	5.5	-	14.9	10	-1.6	21	-	-	74	99	22	1	24	18	8	0	0	2	0	0	6	13	13	2	2.85	-	-
CAISTOR	9	55	8.7	2.6	5.7	-	15.5	10	-3.6	29	-	-	60	-	16	1	20	13	-	-	-	-	-	-	8	-	-	-	-	-	-
CRANWELL	9	62	8.8	3.3	6.1	0.0	16.0	10	-1.7	30	6.9	9.4	52	85	22	1	17	10	2	0	0	0	0	0	5	11	11	2	3.18	159	-
KIRTON	9	4	9.1	3.2	6.1	-	15.8	10	-1.1	19	8.0	10.5	41	-	17	1	15	9	2	0	0	0	0	0	5	12	-	2	3.30	-	-
LINCOLN	9	7	8.9	2.5	5.7	-0.4	16.1	10	-5.7	30	8.4	9.9	63	-	24	1	19	14	1	0	0	0	0	0	8	14	-	0	2.87	-	-
SKEGNESS	9	5	-	-	-	-	-	-	-	-	-	-	77	127	20	1	18	12	0	0	0	0	0	0	-	-	-	0	3.21	158	-
SUTTON BRIDGE	9	4	9.5	-	-	-	16.2	10	-	-	-	-	46	79	18	1	15	7	1	-	0	0	0	-	-	12	-	2	-	-	-
WADDINGTON	21-9	68	8.6	3.8	6.2	0.0	16.2	10	-0.9	29	-	-	63	99	22	1	20	12	4	0	0	0	1	0	3	14	9	2	3.11	159	-
3 EAST ANGLIA																															
NORFOLK																															
COLTISHALL	21-9	17	10.0	4.8	7.4	-	16.8	10	-0.7	20	-	-	60	90	13	1	26	15	3	0	0	6	0	0	3	7	4	2	-	-	-
CROMER	9	54	9.9	4.7	7.3	+0.3	16.8	10	-0.2	19	-	-	58	86	17	1	24	14	0	-	0	3	0	0	1	-	-	0	3.12	152	-
GORLESTON	9	4	10.2	4.9	7.5	0.0	16.3	10	0.0	18	8.6	11.1	52	76	8	1	19	16	0	-	0	0	1	0	0	-	-	13	2.64	131	-
MARHAM	21-9	23	9.3	4.0	6.7	-	16.6	10	-0.6	19	-	-	57	-	17	21	19	10	3	0	0	3	1	0	5	8	8	2	2.99	-	-
MORLEY ST BOTOLPH	9	48	9.6	3.8	6.7	-	16.0	10	-1.2	21	7.6	-	52	-	11	1	24	16	0	0	1	0	0	0	4	10	-	1	2.90	-	-
SANTON DOWNHAM	9	24	9.6	3.0	6.3	-	17.5	10	-4.2	27	8.0	10.0	59	90	18	21	22	16	-	0	-	-	-	0	8	17	-	-	2.91	-	-
SCOLE	9	27	9.7	3.9	6.8	-	16.5	10	-1.5	21	7.1	9.4	54	-	11	1	20	13	1	0	0	0	0	0	4	9	-	1	2.97	-	-
TERRINGTON ST CLEMENT	9	3	9.3	3.8	6.5	+0.2	15.9	10	-0.6	30	7.6	-	54	93	15	1	19	10	0	0	0	0	0	1	4	11	-	0	3.17	159	-
CAMBRIDGESHIRE																															
BOXWORTH	9	53	9.2	3.6	6.4	-	16.7	10	-1.3	30	-	-	43	81	8	1	15	12	2	0	0	0	0	0	6	12	-	0	3.06	-	-
CAMBRIDGE BOTANIC GARDEN	9	12	(9.7)	3.9	(6.8)	+0.3	17.2	10	-2.4	19	8.0	(10.4)	45	89	11	21	18	12	1	0	0	0	0	0	3	9	-	0	-	-	-
NATIONAL INSTITUTE OF AGRICULTURAL BOTANY	9	26	9.6	3.7	6.7	-	17.1	10	-2.3	14	-	-	48	95	10	21	16	13	0	0	0	0	0	0	4	10	-	0	2.90	145	-
MARCH	9	2	9.5	3.6	6.5	-	16.9	10	-0.6	18.30	-	-	43	77	11	21	14	10	0	0	0	0	0	0	3	-	-	0	-	-	-
MEPAL	9	-2	9.5	3.5	6.5	-	16.7	10	-2.0	19	8.9	11.6	38	-	11	21	21	10	0	0	0	0	0	0	4	14	-	0	3.08	-	-
WITTERING	9	73	8.9	3.9	6.4	-	15.7	10	-0.9	18.30	-	-	43	-	16	1	17	10	6	0	2	0	0	0	2	11	12	4	3.32	-	-
WYTON	21-9	40	9.2	4.4	6.8	-	16.9	10	-2.0	30	-	-	34	66	7	1	14	8	2	0	0	2	0	0	3	12	11	1	-	-	-
SUFFOLK																															
ALDEBURGH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.83	-	-
BROOMS BARN	9	75	9.2	3.9	6.5	-	16.7	10	-0.5	18.30	7.2	9.8	61	105	19	21	18	12	3	0	1	2	0	1	5	11	-	1	3.04	-	-
EAST BERGHOLT	9	4	10.1	3.9	7.0	-	17.2	10	-2.9	19	-	-	58	95	15	5	13	11	1	0	0	0	2	0	6	14	-	1	-	-	-
HAUGHLEY	9	58	9.4	3.9	6.7	-	16.4	10	-1.4	21	8.3	-	67	-	17	5	20	13	0	0	0	1	0	1	3	11	-	0	-	-	-
HONINGTON	21-9	50	9.3	4.2	6.7	-	16.9	10	-1.8	20	-	-	47	80	8	21	22	13	3	0	5	0	0	0	8	10	10	2	2.81	-	-
LOWESTOFT	9	25	9.9	4.4	7.1	0.0	16.0	10	-1.0	19	7.7	9.9	61	90	13	1	20	15	0	0	5	0	0	0	1	4	4	1	2.42	120	S
WATTISHAM	21-9	89	9.2	3.3	6.3	-	16.1	10	-2.2	19	-	-	55	87	10	1	18	10	-	0	-	-	-	1	5	14	11	-	2.96	-	-
BEDFORDSHIRE																															
CARDINGTON	21-9	29	9.6	3.8	6.7	-	17.0	10	-3.9	30	8.6	10.6	55	108	9	7	16	11	2	0	0	1	0	1	9	11	11	1	3.15	-	-
LUTON	9	159	8.8	3.2	6.0	-	16.2	10	-2.0	19	7.9	10.8	51	73	14	1	18	12	-	0	-	-	-	0	8	-	-	-	2.74	-	-
SILSOE	9	61	(9.5)	(3.5)	(6.5)	(+0.2)	17.0	10	-3.3	29	7.0	10.6	36	68	7	1	19	11	2	0	0	1	1	4	7	11	11	-	(3.15)	(162)	-
WOBURN	9	89	9.3	3.2	6.3	+0.1	16.3	10	-3.4	29	8.4	11.0	57	93	13	1	18	12	2	0	0	0	0	0	9	13	-	0	2.78	142	-
HERTFORDSHIRE																															
ALDENHAM SCHOOL	9	91	9.5	3.2	6.3	-	16.9	10	-2.5	27	8.4	-	54	77	14	5	16	10	2	0	0	1	0	0	6	16	11	2	-	-	-
GARSTON	9	78	9.6	4.0	6.8	-	17.2	10	-1.7	19	-	-	45	65	12	1	13	11	0	0	0	0	0	1	4	11	11	0	3.03	-	-
HODDESDON	9	43	10.1	4.4	7.3	-	17.6	10	-1.2	19	9.2	-	53	82	12	1	15	9	1	0	0	0	0	-	5	12	-	2	2.71	-	-
ROTHAMSTED	9	128	9.0	3.3	6.1	+0.2	16.3	10	-0.9	30	8.8	10.8	60	83	16	1	19	11	2	0	0	1	0	0	5	15	-	0	2.93	157	-
ST ALBANS	9	83	9.8	3.9	6.9	+0.6	17.0	10	-2.0	19	8.8	-	45	69	12	1	16	10	1	0	1	0	0	1	4	16	-	1	2.93	-	-
STANSTEAD ABBOTTS	9	30	10.1	4.3	7.2	-	17.6	10	-1.3	30	7.6	11.0	49	84	11	1	16	9	-	0	-	-	-	1	6	-	-	-	-	-	-
ESSEX																															
CLACTON-ON-SEA	9	16	10.1	5.5	7.8	+0.5	16.2	9	0.3	19	10.0	11.7	62	101	10	20	17	12	0	0	0	0	0	0	0	3	-	1	3.33	147	-
HALSTEAD	9	70	(9.5)	(4.3)	(6.9)	-	17.3	10	-0.2	19	7.8	10.2	53	-	11	5	14	10	2	0	1	0	0	1	2	-	-	3	-	-	-
HARLOW	9	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITTLE PARNDON	9	54	9.8	3.9	6.9	-	17.2	10	-1.6	27	-	-	53	92	12	5	13	9	0	0	0	0	0	1	7	-	-	3	-	-	-
MALDON	9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOEBURYNESS	21-9	2	10.1	5.7	7.9	+0.4	17.1	9	0.5	18	-	-	57	103	14	20	18	13	2	0	0	0	1	0	0	8	7	0	2.98	139	-
STANFORD-LE-HOPE	9	6	10.0	4.7	7.3	-	17.5	10	-0.5	18	-	-	59	-	9	5	17	14	0	-	0	0	0	0	1	-	-	0	3.20	-	-
STANSTED	21-9	101	9.1	3.9	6.5	-	17.1	10	-1.6	19	-	-	59	97	14	21	14	10	5	0	0	3	0	1	7	12	12	1	-	-	-
WRITTLE	9	32	9.8	4.2	7.0	+0.5	17.6	10	-1.4	27	9.0	-	53	94	11	5	15	10	0	0	0	0	0	0	5	14	-	1	2.50	131	S

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

NOVEMBER 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL (HIGHT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	BRIGHT SUNSHINE EXPOSURE
4 MIDLAND COUNTIES																																
WEST YORKSHIRE																																
BRADFORD	9 9	134	8.1	3.1	5.6	-0.3	15.6	10	-3.5	29	6.9	9.8	126	140	17	23	22	16	1	0	1	1	0	0	2	13	-	4	2.14	152	S
BRAMHAM	9 9	54	8.6	3.1	5.9	-	16.4	10	-2.3	29	-	-	61	89	10	21	20	14	0	0	0	0	0	0	5	13	-	0	-	-	-
HUDDERSFIELD																																
OAKES	21-9	232	7.1	3.1	5.1	-0.6	15.0	10	-1.0	29	6.3	8.0	165	159	24	23	24	19	2	0	3	0	2	0	4	12	11	7	-	-	-
RAVENSKNOWLE	9 9	99	8.4	3.6	6.0	-0.1	16.4	10	-3.9	29	7.7	9.9	138	158	21	23	22	17	0	0	0	1	0	2	4	-	-	0	-	-	-
ILKLEY	9 9	83	8.7	2.9	5.8	-0.1	15.5	10	-3.5	30	-	-	131	141	13	4.7	20	19	0	0	0	3	1	0	3	12	-	0	2.14	130	-
TODMORDEN	9 9	160	7.7	2.4	5.1	-	15.0	10	-5.0	29	-	-	205	-	26	23	23	19	2	0	3	3	0	0	10	-	-	2	-	-	-
PONTEFRACT	9 9	78	8.7	3.7	6.2	-0.1	16.9	10	-1.1	29	-	-	-	-	-	-	-	-	2	0	1	0	0	0	1	-	-	1	-	-	-
WILSDEN	9 9	262	(7.0)	(1.8)	(4.4)	-	14.4	10	-2.5	30	-	-	-	-	-	-	-	-	4	0	0	1	0	0	8	13	-	2	-	-	-
SOUTH YORKSHIRE																																
FINNINGLEY	21-9	10	9.0	4.1	6.5	-	16.5	10	-1.6	29	-	-	44	71	13	1	17	9	4	0	0	2	0	0	2	13	10	1	3.17	-	-
SHEFFIELD																																
DORE	9 9	206	8.0	2.9	5.5	-	15.5	10	-1.0	29	-	-	140	-	23	23	21	17	10	0	3	2	0	0	4	13	-	3	-	-	-
WESTON PARK	9 9	131	8.4	3.4	5.9	-0.7	15.7	10	-1.2	29	7.6	10.2	112	127	21	23	19	15	4	0	1	0	0	0	5	-	-	0	2.70	186	S
DERBYSHIRE																																
ASHOVER	9 9	178	8.4	2.7	5.5	-	15.4	10	-2.6	29	-	-	123	-	27	1	21	16	5	0	0	2	0	0	6	14	-	3	2.87	-	-
BUXTON	9 9	307	7.8	1.7	4.7	-0.3	14.6	10	-4.6	29	5.9	9.5	218	170	44	1	25	23	6	0	0	0	1	0	11	18	-	4	-	-	S
DERBY	9 9	48	9.5	3.7	6.6	-	16.3	10	-2.6	30	-	-	106	169	29	1	19	11	3	0	0	0	0	0	3	12	-	0	2.75	-	S
MORLEY	9 9	107	8.9	2.2	5.5	-	15.9	10	-3.4	29	-	-	113	164	29	1	17	13	1	0	0	0	0	-	6	20	-	0	(2.74)	-	-
WINGERWORTH	9 9	126	8.5	2.8	5.7	-	15.5	10	-5.2	29	7.0	-	114	-	24	1	23	16	1	0	0	3	0	0	6	24	-	3	2.98	-	-
NOTTINGHAMSHIRE																																
MANSFIELD	9 9	114	8.5	3.2	5.9	-0.2	15.5	10	-2.0	29.30	-	-	79	-	27	1	17	13	0	0	0	0	0	0	6	14	-	0	-	-	-
NEWTHORPE	9 9	58	(9.2)	-	-	-	15.5	10	-	-	-	-	109	-	29	1	17	14	-	-	-	-	-	-	-	-	-	-	-	-	-
NOTTINGHAM	9 9	59	9.5	3.9	6.7	0.0	16.0	10	-1.6	29	7.0	9.7	85	144	27	1	15	14	3	0	0	0	1	0	3	11	-	0	3.11	206	-
SUTTON BONINGTON ...	9 9	48	9.5	3.4	6.5	+0.3	16.1	9	-4.8	29	7.9	9.8	82	137	23	1	17	12	0	0	0	0	1	0	5	15	11	2	3.25	191	-
WARSOP	9 9	46	9.1	3.1	6.1	-	16.1	10	-4.3	29	-	-	65	99	20	1	20	11	0	0	0	0	0	0	8	17	-	0	3.18	-	-
WATNALL	21-9	117	8.7	3.4	6.1	-0.2	15.6	10	-1.1	17	-	-	103	145	30	1	18	13	7	0	1	4	1	0	4	14	13	0	2.83	174	-
STAFFORDSHIRE																																
KEELE	9 9	179	7.9	2.1	5.0	-	15.6	10	-4.6	30	6.6	9.5	109	139	22	1	18	14	7	1	4	0	0	1	8	18	12	0	2.36	-	-
OAKEN	9 9	125	8.3	2.3	5.3	-0.6	14.7	10	-4.5	30	7.7	-	67	96	15	1	19	12	0	0	0	2	1	3	9	13	-	0	-	-	S
PENKRIDGE	9 9	101	8.6	1.3	4.9	-	15.1	10	-6.0	27	-	-	85	126	19	1	19	15	2	0	0	2	0	2	11	13	-	5	-	-	S
STONE	9 9	107	8.3	1.9	5.1	-	15.6	10	-5.5	30	-	-	101	142	28	1	20	15	5	0	1	0	0	1	9	16	-	1	2.72	-	-
LEICESTERSHIRE																																
CALDECOTT	9 9	52	9.2	3.1	6.1	-	15.9	10	-3.6	30	-	-	58	102	15	1	17	13	1	0	0	0	0	0	8	12	-	0	2.89	-	-
NEWTOWN LINFORD ...	9 9	119	8.8	2.7	5.7	-	15.5	10	-3.2	30	-	-	85	127	20	14	18	12	2	0	2	0	1	0	6	14	-	0	3.21	-	-
SALOP																																
HAMPTON LOADE	9 9	64	9.4	2.7	6.1	-	15.5	9	-5.5	30	-	-	62	-	17	1	15	13	-	-	-	-	-	-	9	-	-	-	2.86	-	-
NEWPORT	9 9	64	9.0	2.4	5.7	-0.2	16.0	10	-4.7	30	-	-	70	111	19	1	20	15	2	0	0	1	0	1	7	17	-	0	2.74	172	S
OSWESTRY	9 9	174	8.4	3.2	5.8	-0.5	14.2	9	-5.5	27	-	-	128	139	33	1	21	20	3	0	0	1	0	0	5	12	-	1	2.53	135	S
PRESTON MONTFORD ...	9 9	67	9.0	3.0	6.0	-	16.1	10	-4.9	30	7.9	9.9	77	-	18	1	21	17	0	0	0	0	0	1	6	18	-	1	2.62	-	-
SHAWBURY	21-9	72	8.8	2.8	5.8	-0.5	16.6	10	-7.4	30	-	-	76	118	25	1	20	15	1	0	1	3	0	2	8	18	13	1	2.56	149	-
SHREWSBURY	9 9	56	9.1	3.3	6.2	-0.3	16.1	10	-5.1	30	8.1	10.4	65	107	16	1	18	14	1	0	0	0	0	2	6	16	-	0	2.73	156	-
WEST MIDLANDS																																
BIRMINGHAM																																
EDGBASTON	21-9	163	8.2	3.9	6.1	-0.4	15.5	10	-1.4	30	8.1	-	66	83	26	1	17	13	4	0	0	0	0	0	5	12	11	0	3.29	204	-
ELMDON AIRPORT ...	21-9	96	8.8	3.1	5.9	-0.4	16.0	9	-5.5	30	-	-	55	-	22	1	18	10	4	0	0	0	0	0	7	13	13	2	3.33	197	-
KING EDWARD SCHOOL ...	9 9	137	9.0	3.4	6.2	-	15.5	9.10	-2.0	30	-	-	71	96	27	1	18	14	-	0	-	-	-	2	5	-	-	-	-	-	-
COVENTRY AIRPORT ...	9 9	81	-	2.6	-	-	-	-	-6.0	30	8.5	-	45	-	18	1	16	9	1	0	0	1	0	0	8	-	-	0	3.07	-	-
WARWICKSHIRE																																
LONG LAWFORD	9 9	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LUDDINGTON	9 9	56	9.5	2.7	6.1	-	16.9	10	-4.5	30	-	-	35	-	8	19	17	10	0	0	0	0	0	2	8	12	-	0	3.37	-	-
MORETON MORRELL ...	9 9	85	9.1	2.9	6.0	-	16.2	10	-4.4	30	-	-	37	62	8	1	16	12	0	0	0	0	0	1	8	15	-	0	2.65	-	-
RUGBY	9 9	117	9.0	2.6	5.8	-0.3	15.8	10	-4.0	30	6.2	9.7	48	78	13	1	16	9	2	0	0	1	0	0	7	-	11	0	-	-	-
SHIPSTON-ON-STOUR ...	9 9	111	9.2	3.1	6.1	-0.2	16.8	9	-3.8	30	8.7	-	48	71	11	1	16	11	0	0	0	0	0	0	6	17	-	8	3.33	170	-
STRATFORD-UPON-AVON ...	9 9	49	9.4	2.3	5.9	-0.4	16.7	9.10	-6.8	30	9.0	-	40	64	8	19	16	10	-	0	-	-	-	2	8	13	-	-	2.78	156	-
WELLESBOURNE	9 9	47	9.3	3.0	6.1	-	16.4	10	-4.5	30	(7.7)	(9.9)	33	57	9	19	14	10	-	0	-	-	-	2	8	10	16	-	2.94	-	-
NORTHAMPTONSHIRE																																
BUGBROOKE MILLS ...	9 9	69	9.4	3.8	6.6	-	16.0	10	-1.1	28	8.3	-	46	77	11	7	13	9	1	0	0	0	0	0	2	-	-	0	-	-	-
MOULTON PARK	9 9	122	(8.7)	(2.9)	(5.8)	-	15.6	10	-2.9	30	7.2	9.8	47	-	10	1	18	11	3	0	0	0	1	0	8	15	-	0	3.01	-	S
RAUNDS	9 9	59	9.4	3.3	6.3	+0.2	16.4	10	-2.9	30	8.2	11.0	50	85	12	1	17	10	1	0	2	0	0	0	7	14	-	1	2.89	161	S
HEREFORD & WORCESTER																																
ASTWOOD BANK	9 9	139	8.9	2.5	5.7	-	15.5	10	-2.5	17	-	-	57	-	14	1	16	13	3	0	0	3	0	0	10	15	-	2	-	-	-
HEREFORD	9 9	52	9.8	3.1	6.5	-	18.5	9	-5.0	30	7.7	11.1	52	74	13	1	15	13	1	0	0	2	0	0	8	16	-	0	3.16	-	-
LYONSHALL	9 9	155	8.7	3.1	5.9	-0.2	15.0	10	-2.5	30	-	-	105	110	20	1	20	16	-	0	-	-	-	-	6	21	-	-	-	-	-
MALVERN	9 9	62	9.6	4.4	7.0	-	16.3	9	-1.8	28	8.0	10.8	59	75	12	1	16	12	1	0	0	2	0	1	2	9	-	0	2.99	157	S
PERSHORE																																
COLLEGE OF HORT. ...	9 9	40	9.6	3.2	6.4	-	16.7	9.10	-3.5	30	-	-	41	62	7	1	14	12	0	0	0	0	0	2	7	13	-	3	3.18	-	-
ROYAL RADAR EST. ...	21-9	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRESTON WYNNE	9 9	84	9.3	3.0	6.1	-	17.2	9	-3.2	30	-	-	62	88	12	1	17	14	1	0	0	0	0	0	7	18	-	1	2.95	-	-
GLOUCESTERSHIRE																																
CHELTENHAM	9 9	65	9.2	2.5	5.9	-0.8	17.0	10	-5.1	26	-	-	63	89	13	11	17	12	0	0	0	0	0	0	12	-	-	0	2.94	162	-
INNSWORTH	21-9	21	9.4	4.0	6.7	-	16.8	10	-4.7	26	-	-	50	-	9	1	17	12	2	0	0	3	0	1	7	13	12	0	2.88	-	-
OXFORDSHIRE																																
BENSON	21-9	67	9.3	3.6	6.5	-	16.7	10	-3.0	27	-	-	40	-	10	1	17	11	0	0	1	0	0	0	9	13	-	0	2.99	-	-
BRIZE NORTON	21-9	81	9.1	3.9	6.5	-	16.3	10	-2.0	30	-	-	52	-	11	1	17	13	1	0	0	1	0	0	8	13	10	2	3.41	-	-
LETCOMBE REGIS	9 9	107	9.4	3.2	6.3	-	16.2	9	-3.6	30	8.6	-	70	97	19	1	17	15	0	0	2	0	0	0	7	14	-	0	-	-	-
OXFORD	9 9	63	9.6	3.8	6.7	-0.2	16.9	10	-2.5	30	8.1	10.5	47	74	9	1	16	9	0	0	0	0	0	0	7	14	-	0	3.41	163	-
SHIRBURN(MODEL FARM) ...	9 9	108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WALLINGFORD	9 9	48	9.7	3.3	6.5	-	16.5	10	-3.5	27	8.9	11.0	36	62	10	1	16	10	0	0	0	1	0	0	8	12	-	0	2.63	-	S
BUCKINGHAMSHIRE																																
AYLESBURY	9 9	96	9.8	3.3	6.5	+0.2	16.2	10	-3.5	27	-	-	39	59	11	1	13	10	2	0	0	0	0	3	7	-	-	1	2.82	156	S
GRENDON UNDERWOOD ...	9 9	67	9.5	2.4	5.9	-	16.7	10	-5.5	30	8.8	11.0	44	71	12	1	16	10	0	0	0	0	0	0	8	18	-	0	3.26	-	-
MEDMENHAM	9 9	30	10.0	2.8	6.4	-	16.8	10	-4.5	19	-	-	47	65	10	1	14	10	-	-	-	-	-	-	8	14	-	-	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — NOVEMBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (NIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
5 ENGLAND SE & CENTRAL S.																																
GREATER LONDON																																
BROMLEY	9 9	65	10.1	4.8	7.5	+0.4	18.0	10	-1.5	27	-	-	57	85	13	1	17	11	-	0	-	-	-	-	1	-	-	-	-	-	-
ENFIELD	9 9	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GREENWICH	9 9	7	10.6	5.7	8.1	-	18.3	10	0.9	28	-	-	53	89	15	5	15	12	0	0	0	0	1	0	0	-	-	0	2.80	-	-
HAMPSTEAD	9 9	137	9.3	3.8	6.5	0.0	16.8	10	-0.5	19.27	-	-	68	98	22	5	16	13	0	0	0	0	0	0	4	14	-	0	2.81	149	S
HAMPTON	9 9	12	10.2	4.8	7.5	+0.2	17.3	10	-1.5	27	-	-	59	93	23	5	15	11	0	0	0	1	1	0	1	12	-	0	3.25	167	-
HARROW WEALD	9 9	98	10.1	3.5	6.8	-	17.0	10.11	-3.0	19	10.0	11.9	54	-	13	5	14	11	-	-	-	-	-	-	5	9	-	-	-	-	-
HEATHROW AIRPORT ...	21-9	25	10.1	4.9	7.5	+0.3	17.9	10	-1.1	18	-	-	51	81	17	5	15	10	1	0	1	0	-	0	2	11	9	0	2.95	-	-
KENSINGTON PALACE ...	9 9	25	(10.5)	(5.3)	(7.9)	(+0.4)	17.9	10	0.4	19.27	9.5	(11.6)	59	92	18	5	17	14	0	0	0	0	0	0	0	12	-	0	-	-	-
KEW	21-9	6																													
PSYCHROMETER			9.8	5.1	7.5	-	17.7	10	-0.6	27	9.2	11.1	52	84	15	5	15	12	1	0	1	1	1	0	2	12	8	0	3.22	168	-
NORTH WALL SCREEN ...			9.9	5.6	7.7	+0.2	17.3	10	0.3	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LONDON WEATHER CENTRE (X)	21-9	77	10.6	6.3	8.5	-	18.2	10	1.7	27	-	-	53	-	17	5	16	12	1	0	2	0	1	0	0	-	-	1	2.95	182	-
ST JAMES PARK	9 9	4	10.4	5.4	7.9	+0.2	17.3	10	0.3	19	-	-	61	102	19	5	17	14	-	0	-	-	-	-	0	9	-	-	-	-	-
SOUTHGATE	9 9	67	9.9	4.4	7.1	+0.1	17.3	10	-0.9	29	9.2	-	67	102	25	5	13	10	0	0	0	0	0	0	5	-	-	0	3.15	186	-
WADDON	9 9	59	-	5.0	-	-	-	-	-3.0	27	-	-	64	89	15	1	16	13	-	-	-	-	-	-	1	-	-	-	-	-	-
WEALDSTONE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80	-	-
WILTSHIRE																															
BOSCOMBE DOWN	21-9	126	9.0	3.5	6.3	-0.4	15.5	10	-1.9	26	-	-	61	75	18	1	19	13	2	0	0	3	0	0	9	13	11	0	3.72	175	-
LACOCK	9 9	49	9.6	2.7	6.1	-	16.0	9	-4.8	30	-	-	67	89	17	1	20	13	-	0	-	-	-	1	9	14	-	-	-	-	-
LARKHILL	9 9	132	9.4	3.3	6.3	-0.1	16.2	10	-3.0	29	-	-	66	81	28	1	16	15	1	0	2	2	0	0	9	12	12	0	-	-	-
LYNEHAM	21-9	145	8.6	3.2	5.9	-0.6	15.6	10	-3.4	30	-	-	76	101	22	1	19	14	4	0	0	2	0	0	8	13	12	2	3.44	-	-
PORTON	9 9	110	9.4	2.9	6.1	-0.2	16.0	10	-3.1	28	8.0	-	69	81	21	1	18	13	-	1	-	-	-	0	9	16	-	1	3.42	158	-
TROWBRIDGE	9 9	37	9.6	2.9	6.3	-	16.2	9.10	-4.5	26.30	8.3	-	80	-	25	1	19	16	2	0	1	2	2	1	8	18	-	0	-	-	-
UPAVON	21-9	179	8.6	3.2	5.9	-	15.3	10	-2.5	26	-	-	60	72	22	1	17	13	2	0	1	1	0	0	9	15	11	1	-	-	-
BERKSHIRE																															
EASTHAMPSTEAD	9 9	77	9.6	3.1	6.3	-	16.8	10	-5.0	27	8.8	10.4	60	-	19	5	14	12	0	0	0	3	1	0	8	11	10	1	2.96	-	-
HURLEY	9 9	43	9.8	3.8	6.8	-	16.5	9.10	-0.8	19.27.28	8.0	-	43	60	9	1	15	12	0	0	0	0	0	0	5	13	-	2	2.72	-	S
LAMBOURN(WARREN FARM)	9 9	192	8.4	3.0	5.7	-	15.4	10	-1.9	30	8.2	-	65	-	20	1	18	14	-	0	-	-	-	0	7	-	-	-	-	-	-
READING	9 9	66	9.8	4.0	6.9	-	16.6	10	-1.7	30	9.2	10.9	48	-	12	1	15	10	1	0	0	1	0	0	6	16	11	3	3.23	-	-
SHINFIELD(N.I.R.D.) ...	9 9	62	9.8	3.8	6.8	-	17.0	10	-2.0	30	-	-	50	-	11	1	15	13	0	0	0	0	0	0	8	13	-	0	2.97	-	S
SURREY																															
MERRIST WOOD	9 9	46	9.8	3.9	6.9	-	17.2	10	-3.2	27	8.3	-	73	-	27	5	15	13	0	0	1	0	1	0	8	12	-	0	3.09	-	-
MICKLEHAM	9 9	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WISLEY	9 9	35	10.3	4.1	7.2	+0.4	17.9	10	-2.9	27	8.1	10.4	61	86	15	5	15	11	0	0	0	0	0	1	8	12	-	5	3.11	172	-
KENT																															
DOVER R.M.S.	9 9	123	9.4	4.7	7.1	-	15.7	10	-0.4	19	-	-	124	109	19	5	20	17	2	0	0	1	2	1	1	-	-	1	-	-	-
DUNGENESS	9 9	3	10.6	6.0	8.3	-	16.0	10	0.1	17	-	-	89	101	16	19	17	13	0	0	0	0	0	0	0	-	-	5	-	-	-
EAST MALLING	9 9	32	10.1	4.8	7.5	+0.8	17.1	10	-0.4	19	8.5	10.5	89	118	25	20	19	14	0	0	0	2	1	0	1	13	9	2	2.79	140	-
ELMSTONE	9 9	5	10.5	4.4	7.5	-	17.4	10.11	-3.2	29	-	-	85	99	13	5	18	14	0	0	0	0	1	0	5	7	-	0	-	-	-
FAVERSHAM	9 9	48	9.9	4.8	7.3	-	16.7	9	0.0	21	8.3	10.9	108	135	24	7	20	16	1	0	0	1	1	1	0	9	-	0	2.89	-	-
FOLKESTONE	9 9	31	10.0	4.9	7.5	-	15.8	9	-0.2	18	-	10.8	121	127	26	20	21	15	1	0	1	0	2	0	2	12	-	14	3.43	148	-
GILLINGHAM	9 9	4	10.3	5.3	7.8	-	18.0	10	0.6	28	-	-	72	107	16	20	18	13	-	-	-	-	-	-	0	-	-	-	-	-	-
GOUDHURST	9 9	85	9.3	4.2	6.7	+0.4	15.7	10	-2.1	27	-	-	95	96	21	20	18	16	0	0	2	0	2	0	5	11	-	0	-	-	-
HADLOW COLLEGE	9 9	30	10.1	4.1	7.1	-	16.7	9.10	-1.2	19	8.7	11.3	88	-	22	20	18	14	2	0	1	0	2	0	4	11	-	2	2.86	-	-
HERNE BAY	9 9	31	10.0	5.4	7.7	-	17.0	9	0.0	19	9.2	-	104	-	21	20	19	13	0	0	0	0	1	0	0	2	-	0	3.07	149	-
MANSTON	21-9	44	9.8	5.4	7.6	-	16.6	9	-0.4	19	-	-	73	90	12	5	19	12	3	0	1	2	1	0	1	3	2	4	2.90	-	-
MARGATE	9 9	16	10.5	5.9	8.2	0.0	16.9	9	0.5	19	8.8	11.1	67	88	12	5	19	14	0	0	1	0	1	0	0	2	-	7	2.17	105	-
ULCOMBE	21-9	47	9.9	3.9	6.9	-	18.2	10	-3.4	19	-	-	99	-	23	20	20	12	2	0	1	0	2	0	5	15	9	0	3.00	-	-
WYE	9 9	56	10.1	4.1	7.1	+0.3	16.2	9	-1.6	19	9.4	11.1	111	119	29	20	20	16	2	0	1	0	4	0	5	16	-	0	2.69	123	-
HAMPSHIRE																															
ALICE HOLT LODGE ...	9 9	115	9.2	3.3	6.3	0.0	16.3	10	-2.2	19	-	-	90	100	32	5	18	13	0	0	1	0	0	0	9	14	-	0	2.80	-	-
EVERTON	9 9	16	10.2	5.2	7.7	-	15.6	10	-0.5	26	-	-	75	82	20	1	14	13	1	0	1	0	0	0	4	13	-	1	3.21	-	-
HAYLING ISLAND ...	9 9	4	10.5	4.7	7.6	-	16.3	11	-0.3	24	-	-	85	107	16	7	17	12	1	0	0	1	0	0	2	-	-	2	3.60	-	-
LECKFORD	9 9	117	9.5	3.1	6.3	-0.2	16.0	10	-2.2	27	8.2	-	(84)	(94)	23	1	(17)	(13)	2	0	0	0	0	0	10	-	-	0	3.18	142	-
LONG SUTTON	9 9	145	9.0	3.4	6.2	-	15.9	10	-3.2	26.27	8.3	9.9	87	100	25	5	18	14	0	0	0	1	0	0	10	13	11	1	3.06	157	-
MARTYR WORTHY	9 9	84	9.5	2.7	6.1	-	16.2	10	-3.6	19	9.4	-	104	115	24	5	17	12	2	0	0	1	0	0	10	17	-	1	3.36	-	-
SOUTHAMPTON																															
MAYFLOWER PARK ...	9 9	3	10.7	4.9	7.8	0.0	16.5	10	-1.0	27	10.3	13.3	86	-	21	1	15	13	1	0	0	3	0	0	6	13	9	0	3.37	148	S
WEATHER CENTRE (X)	21-9	19	10.3	5.6	7.9	-	17.0	10	-0.2	27	-	-	86	-	22	1	18	13	1	-	0	3	0	0	1	-	8	0	-	-	-
SOUTHSEA	9 9	2	10.7	6.1	8.4	+0.1	16.9	10	0.4	27	10.1	12.1	83	102	17	1	17	13	0	0	0	1	1	0	0	8	-	1	3.32	138	-
SPARSHOLT	9 9	113	9.3	3.6	6.5	-	15.9	10	-2.1	27	-	-	97	-	28	5	15	11	2	1	1	0	0	0	7	14	-	0	2.95	-	S
ISLE OF WIGHT																															
RYDE	9 9	4	10.5	6.3	8.4	-0.1	16.7	10	0.9	27	-	-	115	122	20	7	17	13	0	0	3	0	1	0	0	-	-	3	3.51	149	-
ST CATHERINES POINT ...	9 9	16	10.5	6.3	8.4	-0.3	15.4	10	0.8	26.27	-	-	100	108	16	5	16	14	0	0	0	2	1	0	0	-	-	13	-	-	-
SANDOWN	9 9	4	10.6	5.8	8.2	-0.4	16.6	10	0.0	19.27	-	-	100	108	19	19	14	14	0	0	-	1	0	0	0	-	-	0	3.51	140	-
SHANKLIN	9 9	55	9.9	5.3	7.6	-0.5	16.0	10	-1.0	27	-	-	110	100	19	19	16	14	0	0	0	0	0	0	3	-	-	0	3.56	141	-
VENTNOR	9 9	135	10.3	5.4	7.9	-0.7	15.5	10	0.0	27	10.0	12.1	120	119	17	19	17	14	1	0	1	1	0	0	0	12	-	6	3.52	132	-
WEST SUSSEX																															
BOGNOR REGIS	9 9	7	10.1	5.5	7.8	-0.1	15.5	11	-0.5	19	-	11.9	81	94	18	1	14	11	0	0	0	1	0	0	1	9	-	1	3.23	127	-
GATWICK AIRPORT ...	21-9	59	9.6	4.1	6.9	-	16.6	10	-3.0	27	-	-	85	98	19	1	17	13	5	0	0	1	0	0	4	16	9	0	2.73	-	-
HURSTPIERPOINT	9 9	30	10.2	3.9	7.1	-	16.2	10	-4.0	27	-	-	103	-	30	1	14	11	-	-	-	-	-	-	7	-	-	-	-	-	-
LITTLEHAMPTON	9 9	5	10.5	5.3	7.9	+0.1	15.7	10	0.0	19.27	-	11.7	84	98	17	1	16	13	0	0	0	0	0	0	0	-	-	0	3.54	144	-
NORTH HEATH	9 9	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROGATE	9 9	64	10.0	3.8	6.9	-	17.1	10	-1.6	19	8.7	-	103	-	37	1	14	11	0	0	0	0	0	0	7	17	-	2	-	-	S
RUSTINGTON	9 9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WORTHING	9 9	2	10.6	5.2	7.9	-	16.0	11	-0.9	19	9.3	-	100	-	15	1.20	17	13	0	0	1	0	0	0	1	11	-	1	3.31	-	-
EAST SUSSEX																															
BEXHILL	9 9	4	10.4	5.7	8.1	0.0	15.5	2.9	-0.9	19	8.5	11.9	113	119	27	20	19	13	1	0	0	0	0	0	1	9	-	10	3.27	143	-
BRIGHTON	9 9	10	10.5	5.8	8.1	-0.2	15.5	10	-0.5	27	-	11.9	100	113	25	20	18	13	1	0	0	0	0	0	2	(9)	-	5	2.88	119	-
EASTBOURNE	9 9	7	10.6	6.2	8.4	+0.2	16.0	10.11	0.5	29	9.8	12.2	115	117	24	20	19	12	2	0	0	0	1	0	0	5	-	8	3.18	135	-
EAST HORTHLY	9 9	38	10.1	3.9	7.0	-	16.0	10	-4.1	19	-	-	107	111	27	20	17	12	1	0	0	1	1	0	6	16	9	1	3.08	-	-
HASTINGS	9 9	45	10.1	5.2	7.7	-0.4	15.4	10.11	-0.1	18	8.6	11.3	122	131	27	20	17	12	1	0	0	1	1	0	1	12	-	5	(3.29)	(139)	-
HERSTMONCEUX	21-9	17	10.0	4.3	7.1	-	16.0	9.10	-3.3	19	-	-	89	-	27	20	17	9	1	0	0	0	1	0	5	13	9	6	3.08	-	-
PLUMPTON	9 9	76	9.8	5.2	7.5	-	15.5	10	-1.0	29	-	-	127	100	29	1	17	12	0	0	0	0	0	0	3	6	-	0	2.89	-	S

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

NOVEMBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (MONT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	BRIGHT SUNSHINE EXPOSURE
							MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE															
7A ENGLAND NW & I.O.M.																															
CUMBRIA																															
CARLISLE	21-9	26	7.8	3.2	5.5	-	15.2	10	-5.7	30	7.8	10.0	90	109	13	11	19	17	1	0	3	0	1	1	9	16	11	0	2.22	-	-
CARTMEL	9	34	8.8	2.6	5.7	-	13.8	10	-5.3	26	-	-	169	-	17	11	21	18	0	0	0	0	0	0	9	-	-	1	-	-	-
GRIZEDALE	9	91	8.7	2.1	5.4	-	13.8	10	-5.2	30	7.5	-	163	84	20	23	20	20	5	0	2	0	0	0	9	19	-	0	-	-	-
MOOR HOUSE	9	556	4.0	-1.0	1.5	-	11.2	9	-6.7	30	5.0	-	252	115	38	23	26	23	15	12	2	2	1	3	18	(23)	-	7	1.60	-	-
NEWTON RIGG	9	171	7.5	2.1	4.8	-0.7	13.9	10	-5.3	30	6.7	-	135	136	21	11	21	19	1	1	0	0	1	1	9	14	-	1	2.02	115	S
SELLAFIELD	9	13	9.5	4.2	6.9	-	13.3	10	-1.0	27	-	-	90	80	13	1	17	17	-	0	-	-	-	1	4	10	-	-	2.37	-	-
LANCASHIRE																															
HAZELRIGG	9	94	8.4	3.2	5.8	-	14.9	10	-3.4	30	-	-	159	-	24	11	19	19	2	0	0	8	1	0	6	13	-	6	2.14	-	-
HELMSHORE	9	260	6.9	2.2	4.5	-	13.8	10	-2.1	30	6.5	-	245	162	28	23	22	19	0	0	1	0	0	1	8	18	-	0	1.86	-	-
KIRKHAM	9	24	8.9	3.6	6.3	-	16.0	10	-5.5	30	-	-	125	136	15	1	19	19	0	0	1	4	0	0	7	11	-	0	(2.31)	-	S
MORECAMBE	9	7	8.8	4.6	6.7	-0.2	15.5	10	-2.3	30	-	-	(141)	(147)	19	1	18	18	0	0	2	0	1	0	4	-	-	2	2.20	118	-
PRESTON	9	33	8.9	3.6	6.3	-	16.5	10	-4.4	30	-	-	120	123	15	1	18	16	1	0	0	7	2	0	6	12	-	1	-	-	-
SLAIDBURN	9	192	7.3	2.3	4.8	-	14.1	10	-4.5	30	-	-	275	176	37	23	22	20	5	0	5	0	0	0	8	14	-	0	2.09	-	-
SQUIRES GATE AIRPORT	21-9	10	9.1	5.0	7.1	+0.1	15.6	10	-4.9	30	-	-	117	137	17	14	20	18	0	0	0	3	0	0	6	8	8	4	2.28	119	-
STONYHURST	9	115	(7.8)	(2.8)	(5.3)	(-0.8)	14.9	10	-4.9	30	-	-	(182)	(155)	31	23	(19)	(18)	-	0	-	-	-	0	7	-	-	-	-	-	-
MERSEYSIDE																															
AIGBURTH	9	12	9.4	4.7	7.1	-	16.7	10	-4.0	30	-	-	87	-	13	9	18	16	0	0	5	0	0	1	4	10	10	3	1.99	-	-
BIDSTON	9	60	8.8	4.8	6.8	-	15.7	10	0.2	30	-	-	78	-	14	9	18	16	3	-	1	3	1	0	0	5	-	3	2.20	-	-
ST HELENS	9	76	8.5	(3.2)	(5.9)	-	16.2	10	(-4.0)	30	(6.8)	-	127	-	20	23	19	18	0	-	6	0	0	-	(6)	-	-	1	2.14	-	S
SOUTHPORT	9	5	9.0	3.5	6.3	-0.4	16.5	10	-5.6	30	7.2	11.1	123	144	18	23	18	15	-	-	-	-	-	-	7	9	-	-	2.19	118	-
SPEKE AIRPORT	21-9	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST KIRBY PARK	9	8	9.8	4.7	7.3	+0.2	17.3	10	-3.3	29	-	-	84	108	17	9	21	16	0	0	0	3	0	-	5	7	-	5	-	-	-
GREATER MANCHESTER																															
BOLTON	9	107	8.6	2.9	5.7	-	15.0	10	-3.5	30	7.9	9.5	161	-	22	23	19	17	0	0	0	1	1	0	4	14	-	0	(2.01)	(148)	-
MANCHESTER																															
RINGWAY AIRPORT	21-9	75	8.2	3.4	5.8	-0.7	16.2	10	-6.8	30	-	-	107	138	17	1	20	15	3	0	3	0	1	2	5	11	9	1	2.50	152	-
WEATHER CENTRE (X)	21-9	69	8.9	4.6	6.7	-	16.6	10	-2.3	30	-	-	113	-	17	23	20	17	1	-	0	3	0	1	2	-	-	0	2.33	-	-
CHESHIRE																															
KNUTSFORD	9	65	8.5	2.3	5.4	-	16.5	10	-5.5	30	7.7	9.6	109	133	15	14	19	16	1	0	0	0	0	2	8	13	-	6	-	-	-
MACCLESFIELD	9	152	7.8	2.3	5.1	-0.8	15.2	10	-3.7	30	-	-	121	137	19	14	23	17	2	0	0	5	1	3	10	-	-	0	-	-	-
NESS GARDENS	9	55	9.3	3.8	6.5	-	16.7	10	-2.3	30	7.3	-	85	114	11	1	21	14	1	0	4	1	0	1	5	14	-	6	2.30	-	S
ISLE OF MAN																															
DOUGLAS	9	87	8.8	4.2	6.5	-1.0	13.9	9	0.9	21	-	-	131	109	15	12	22	19	0	0	8	0	0	0	0	9	-	7	1.99	94	-
POINT OF AYRE	21-9	9	9.3	6.0	7.7	-0.6	15.4	9	0.6	30	-	-	65	72	18	14	17	13	0	0	3	0	0	0	0	-	-	12	1.96	101	-
RONALDSWAY AIRPORT	21-9	16	9.2	5.1	7.1	-0.9	14.4	9	-2.6	26	-	-	89	97	11	1	21	20	4	0	2	3	1	0	5	10	8	6	1.93	93	-
7B WALES N																															
GWYNEDD																															
ABER	9	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALA	9	163	8.1	2.7	5.4	-	14.6	10	-6.5	29	7.5	9.9	219	160	29	7	25	22	3	0	0	5	2	2	6	12	11	1	-	-	-
BARDSEY ISLAND	21-9	16	9.9	(7.0)	(8.5)	-	14.5	9	1.7	17	-	-	129	126	28	16	23	16	2	0	3	0	1	0	0	2	2	14	-	-	-
BETWS-Y-COED	9	15	9.3	3.1	6.2	-	15.5	9,10,11	-5.3	30	7.8	-	275	-	32	1	23	22	3	1	2	4	0	0	6	9	-	1	-	-	-
BOTWNNOG	9	34	10.6	5.5	8.1	-	15.2	10	1.0	19	9.2	11.5	138	108	23	1	22	18	0	0	0	1	0	0	0	4	-	2	1.87	-	-
CWMYSTRADLLYN	9	204	8.3	4.0	6.1	-	12.5	9	-1.0	26,27,29	-	-	230	-	39	1	23	20	-	-	-	-	-	-	3	-	-	-	1.62	-	-
LLYN ALAW	9	44	9.3	-	-	-	14.0	9	-	-	-	-	136	-	22	1	21	19	-	-	-	-	-	-	-	-	-	-	1.91	-	-
PEN-Y-FFRIDD	9	84	8.7	4.2	6.5	-	14.2	10	-3.2	29	-	-	164	136	31	1	23	20	1	0	0	2	1	0	4	14	-	1	1.28	-	-
TRAWSFYNYDD	9	193	8.1	3.1	5.6	-	14.5	10	-2.7	29	-	-	248	149	46	1	24	22	-	1	-	-	-	-	5	12	11	-	-	-	-
VALLEY	21-9	10	9.7	5.9	7.8	-0.5	14.4	10	-2.8	29	-	-	110	113	19	1	22	19	0	0	0	9	2	0	4	5	5	12	1.99	97	-
CLWYD																															
ALWEN	9	335	6.8	1.3	4.1	-	14.2	10	-8.0	29	-	-	251	186	25	23	24	23	-	-	-	-	-	-	8	18	-	-	-	-	-
BWLCHGWYN	9	386	6.5	1.7	4.1	-	13.8	8	-2.5	21,29,30	6.1	-	154	125	20	1	24	20	8	2	2	0	0	0	6	11	-	4	-	-	-
COLWYN BAY	9	24	9.2	5.0	7.1	-	16.1	9	-1.2	29	-	-	127	155	19	1	23	21	0	0	0	0	0	0	2	-	-	0	1.81	104	S
CORWEN	9	144	8.3	2.0	5.1	-	15.6	10	-7.2	29	-	-	212	186	25	19	26	23	2	1	0	1	0	-	9	13	-	0	-	-	-
HAWARDEN BRIDGE	9	5	9.6	4.2	6.9	-0.2	17.3	10	-4.7	30	-	-	94	122	17	12	22	17	1	0	0	4	0	1	4	-	-	1	-	-	-
LOGGERHEADS	9	210	7.8	2.3	5.1	-	14.5	10	-5.2	29	7.4	9.1	138	145	16	14	22	18	4	1	0	5	0	0	8	11	-	0	1.42	-	S
PRESTATYN	9	4	9.6	4.9	7.3	-0.6	16.4	10	-2.6	27	-	-	91	126	15	1	18	16	0	0	2	0	1	0	4	-	-	0	1.72	99	-
RUTHIN	9	76	9.2	3.0	6.1	-	16.2	10	-5.0	29	-	-	116	136	15	11	24	19	0	0	0	0	0	0	6	-	-	0	2.09	-	-
POWYS(NORTH)																															
LAKE VYRNWY	9	303	6.9	2.1	4.5	-0.8	13.2	9	-3.7	29	6.0	-	308	181	40	1	25	22	5	7	6	0	0	0	9	15	-	6	-	-	-
MOEL CYNNEDD	9	358	6.6	1.6	4.1	-	13.2	9,10	-5.8	26	7.1	-	429	-	72	19	25	22	7	4	4	4	1	1	10	15	-	2	-	-	-
8A WALES S																															
DYFED																															
ABERPORTH	21-9	134	8.8	5.2	7.0	-0.9	14.4	9	-1.9	26	-	-	118	104	20	16	21	18	1	0	9	0	1	0	5	5	5	6	2.10	107	-
ABERYSTWYTH	9	4	-	-	-	-	-	-	-	-	-	-	135	142	22	1	21	20	0	0	0	1	0	0	-	-	-	1	-	-	-
BRAWDY	21-9	111	9.1	5.1	7.1	-	14.1	9	-3.0	28,29	-	-	141	-	27	1	23	20	3	0	0	6	4	0	5	6	5	2	2.51	-	-
BRYNAMMAN	21-9	183	8.4	3.4	5.9	-	13.8	9	-2.8	30	-	-	226	-	43	1	23	22	5	1	5	1	0	0	7	14	-	0	-	-	-
CARMARTHEN	9	15	9.7	2.3	6.0	-	15.0	8	-6.8	26	8.7	10.7	167	120	27	1	23	20	1	0	4	0	0	0	8	-	-	2	2.29	-	-
CWMYSTWYTH	9	301	7.4	2.3	4.9	-	13.4	9	-4.0	30	-	-	292	164	44	19	24	22	1	3	2	0	0	0	10	13	-	0	1.61	-	-
DALE FORT	9	33	(10.1)	6.0	(8.1)	(-0.8)	14.6	9	0.5	29,30	-	-	86	-	13	1	20	14	0	0	4	0	1	0	0	-	-	7	2.74	-	-
ESGAIRWEN-UCHAF	9	332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOGERDDAN	9	31	9.5	3.8	6.7	-	15.0	9	-4.4	26	-	-	185	195	29	1	23	20	0	0	0	7	1	0	8	13	-	2	1.88	-	S
LLETY-EVAN-HEN	9	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MILFORD HAVEN (CONSERVANCY BOARD)	21-9	37	9.8	6.0	7.9	-	14.8	9,10	-1.6	29	-	-	123	101	21	1	22	21	0	0	2	1	1	0	5	5	5	2	-	-	-
ORIELTON	9	61	9.6	4.5	7.1	-	14.4	9	-3.4	30	9.4	-	116	86	27	1	25	15	4	0	5	0	1	0	6	11	-	2	-	-	-
SKOKHOLM ISLAND	9	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TENBY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	-	-	-	0	3.15	-	-
TRAWSCOED	9	61	9.2	3.0	6.1	-	16.3	9	-5.5	26	9.2	-	207	179	36	19	23	21	0	0	1	0	0	0	9	10	-	0	2.00	115	-
TREGARON	9	178	8.5	2.3	5.4	-	14.3	9	-6.5	26	-	-	224	-	31	19	23	22	2	1	0	1	0	0	9	17	-	0	2.00	-	S
WHITECHURCH	9	130	8.9	3.7	6.3	-	14.7	9	-4.4	29,30	-	-	154	-	43	1	23	18	1	0	0	9	2	0	5	12	-	5	-	-	-
POWYS(SOUTH)																															
CENARTH	21-9	308	7.2	2.9	5.1	-	14.0	9	-6.0	30	-	-	237	-	33	1	23	18	5	1	4	1	0	0	8	14	-	0	-	-	-
LLANGENNY	9	122	9.5	3.4	6.5	-	16.4	9	-4.2	30	-	-	144	-	35	1	20	18	3	0	0	0	0	-	4	-	-	0	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — NOVEMBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT) OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
8A WALES S CONTINUED																															
WEST GLAMORGAN																															
MUMBLES HEAD	21-9	36	9.8	6.0	7.9	-	14.4	9.10	-0.3	30	-	-	-	-	-	-	-	-	1	0	1	0	0	0	1	2	4	14	-	-	-
NEATH	9 9	62	9.8	4.7	7.3	-	15.0	8	-2.2	30	-	-	187	134	45	1	22	17	2	0	2	0	0	0	6	7	-	0	-	-	-
PENNAEN	9 9	85	9.7	4.5	7.1	-	14.4	10	-1.9	30	9.2	10.9	147	110	35	1	21	18	1	0	0	5	0	0	5	11	11	5	2.56	-	-
PORT TALBOT	9 9	7	10.7	5.0	7.9	-	15.5	11	-3.2	27,30	-	-	137	115	32	1	21	17	1	0	2	0	0	0	4	8	8	3	2.81	-	-
SWANSEA	9 9	8	-	-	-	-	-	-	-	-	6.2	11.0	147	115	33	1	24	18	1	0	0	0	0	0	-	10	-	0	-	-	S
WHITEFORD BURROWS	9 9	6	10.5	4.8	7.7	-	15.6	10	-4.8	30	-	-	128	-	31	1	23	17	1	0	0	0	0	0	6	11	-	4	-	-	-
MID GLAMORGAN																															
ABERDARE	9 9	174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CILFYNYDD	21-9	194	8.2	(3.6)	(5.9)	-	14.1	10	-3.0	30	-	-	180	-	55	1	20	19	3	1	2	0	0	0	(6)	(12)	-	1	-	-	-
LLWYNON	9 9	242	8.1	2.3	5.2	-	13.8	9	-3.9	30	-	-	291	162	53	1	23	20	5	0	1	0	0	1	9	-	-	0	2.28	-	S
PORTHCAWL	9 9	6	10.3	4.4	7.3	-	15.4	10	-2.7	30	-	-	123	116	22	7	18	18	0	-	0	0	0	0	4	-	-	5	3.04	-	S
SOUTH GLAMORGAN																															
BRIDGEND	9 9	43	10.3	4.3	7.3	-	15.5	10	-4.1	30	9.3	11.4	145	-	24	8	21	17	0	0	1	0	0	-	6	13	-	0	-	-	-
RHOOSE AIRPORT	21-9	67	9.4	4.7	7.1	-	16.0	11	-3.7	30	-	-	127	-	19	8	21	18	2	0	2	2	2	0	5	12	10	2	2.87	-	-
GWENT																															
CRUMBLAND	9 9	245	8.2	2.7	5.5	-	14.3	10	-1.5	30	7.7	9.4	109	99	38	1	20	16	0	0	0	0	0	0	9	18	-	6	3.24	-	-
NEWPORT	9 9	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USK	9 9	21	10.1	2.4	6.3	-0.4	15.8	9	-5.0	26,27	8.7	-	119	105	30	1	21	19	0	0	0	0	0	-	8	16	-	0	2.96	171	-
8B ENGLAND SW																															
AVON																															
BATH	9 9	118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FILTON	21-9	59	9.2	4.5	6.9	-0.2	16.0	10	-2.5	28	-	-	107	130	21	1	21	14	0	0	0	3	2	0	6	13	11	2	2.95	161	-
LONG ASHTON	9 9	51	10.0	3.7	6.9	-0.2	16.7	10	-2.9	28	8.5	-	125	134	25	1	16	15	0	0	0	0	0	0	9	15	-	3	2.64	138	-
SOMERSET																															
CANNINGTON	9 9	23	10.5	4.9	7.7	0.0	17.3	9	-2.4	28	8.5	-	73	89	16	1	19	16	0	0	2	0	1	0	5	11	-	3	3.06	146	-
CREWKERNE	9 9	101	9.5	4.2	6.9	-	15.7	9	-2.5	28,29	8.0	-	80	-	33	1	17	17	0	0	2	0	0	-	5	-	-	1	-	-	-
DOWNSIDE ABBEY	9 9	183	9.0	3.2	6.1	-	15.4	10	-3.1	30	-	-	100	85	22	1	19	15	0	0	0	0	0	1	9	-	-	0	-	-	-
EXTON	21-9	335	7.7	2.9	5.3	-	13.9	10	-2.3	26	-	-	170	-	24	8	24	20	8	0	10	0	1	2	7	16	11	0	-	-	-
HAWKRIDGE	9 9	314	8.0	3.0	5.5	-	13.9	9	-3.8	26	-	-	193	113	24	1	22	18	2	0	3	1	0	2	5	16	-	0	2.28	-	-
NETTLECOMBE	9 9	96	9.9	3.8	6.9	-	16.4	9	-4.3	29	9.1	-	104	-	19	1	20	18	1	0	0	0	1	0	6	11	-	2	-	-	-
NETTLECOMBE(BIRDS HILL)	9 9	290	8.2	3.6	5.9	-	14.8	9	-1.8	30	-	-	114	-	23	1	18	17	0	0	0	0	1	0	5	8	-	1	-	-	-
RODNEY STOKE	9 9	40	9.8	3.7	6.7	-	16.2	9	-0.4	25	9.4	11.3	82	82	11	19	18	15	0	0	2	0	0	0	3	14	-	0	-	-	-
WINCANTON	9 9	114	9.8	3.6	6.7	-	16.1	9,10	-2.0	30	-	-	74	70	14	1	18	16	1	0	0	1	1	2	6	12	-	2	3.42	-	-
YEOVILTON	21-9	18	9.9	3.6	6.7	-	16.5	9	-5.2	28	-	-	51	58	13	1	15	13	0	0	1	0	1	1	8	11	11	1	-	-	-
DORSET																															
BOURNEMOUTH																															
HURN AIRPORT	21-9	10	10.1	4.3	7.2	-	16.7	10	-3.6	27	-	-	85	89	23	5	15	13	1	0	1	0	0	0	9	11	10	0	3.56	-	-
MEYRICK PARK	9 9	40	10.4	4.6	7.5	-0.2	16.8	10,11	-1.5	30	9.1	11.2	93	99	26	5	18	13	0	0	0	0	0	0	6	15	-	0	3.63	147	-
CHRISTCHURCH	9 9	3	10.5	5.0	7.7	-	16.1	10	-2.8	19	-	-	72	78	19	1	15	13	1	0	0	0	0	0	7	12	-	1	-	-	-
POOLE	9 9	5	10.4	4.5	7.5	-0.1	18.0	10	-3.2	19	10.2	12.1	97	106	27	5	17	12	1	0	0	0	0	0	5	10	-	0	3.66	149	-
PORTLAND BILL																															
(COASTGUARD)	21-9	53	10.1	6.5	8.3	-1.2	15.2	10	0.4	28	-	-	70	-	14	5	15	13	0	0	0	0	1	0	0	6	4	15	3.09	-	-
SWANAGE	9 9	11	10.6	5.8	8.2	-0.1	15.8	10	-0.6	19	-	12.5	92	97	21	1	17	15	0	0	0	1	0	0	1	10	-	6	3.12	131	-
WEYMOUTH	9 9	23	10.6	5.5	8.1	-	16.1	10	-0.1	26,27,29	-	-	73	-	20	5	15	14	0	0	0	0	0	0	4	-	-	0	3.34	132	-
WINFRITH	9 9	26	(10.3)	4.7	(7.5)	-	17.0	10	-3.0	19	-	-	100	97	26	1	17	15	0	0	0	0	0	0	5	14	-	0	-	-	-
DEVON																															
CHELDON BARTON	9 9	164	9.3	3.4	6.3	-	15.4	9	-4.1	26	9.2	-	119	-	14	12	20	17	1	0	5	0	1	0	5	15	-	0	2.88	-	-
EXETER AIRPORT	21-9	32	10.2	4.4	7.3	-0.5	16.3	9	-3.9	26	-	-	55	61	11	1	19	17	1	0	1	2	0	0	7	14	10	1	2.94	135	-
EXMOUTH	9 9	59	10.4	5.1	7.7	-0.2	16.5	10	-1.5	30	-	-	53	62	14	1	17	16	1	0	1	1	0	0	3	-	-	3	3.80	151	-
HARTLAND POINT	21-9	91	9.7	7.2	8.5	-0.2	15.2	10	1.5	20	-	-	87	90	11	2	18	16	0	0	4	1	1	0	0	2	2	18	2.32	115	-
ILFRACOMBE	9 9	8	11.0	6.9	8.9	-	16.1	9	0.5	30	9.4	12.2	144	-	20	1	19	18	0	0	0	0	0	0	-	-	-	0	-	-	-
PLYMOUTH																															
MOUNT BATTEN	21-9	27	10.4	6.4	8.4	-0.3	15.0	10	-1.0	26	-	-	70	64	18	1	18	15	0	0	0	2	0	0	1	8	7	4	3.12	137	S
THE HOE	9 9	36	10.3	5.6	7.9	-0.8	14.6	5.9	-0.5	26	9.8	11.9	63	59	18	1	17	13	0	0	0	1	0	-	2	10	-	4	3.16	137	-
PRAWLE POINT	21-9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	1	0	0	0	-	-	-	19	3.09	-	-
PRINCETOWN	9 9	414	7.4	2.9	5.1	-	12.5	9	-3.0	28	-	-	215	-	59	1	22	22	2	2	3	0	0	2	6	13	-	0	-	-	-
SLAPTON	9 9	32	10.7	5.4	8.1	-	15.6	10	0.3	30	-	-	105	91	28	1	18	15	0	0	0	0	0	0	3	13	-	3	-	-	-
STARCROSS	9 9	9	10.6	4.3	7.5	-0.5	16.3	10	-3.1	26	8.4	-	65	71	18	1	19	16	0	0	2	0	0	0	7	9	-	4	3.54	148	S
TAVISTOCK	9 9	139	-	-	-	-	-	-	-	-	-	-	145	105	32	1	18	15	0	0	0	0	0	0	-	-	-	1	-	-	-
TEIGNMOUTH	9 9	6	10.9	5.5	8.2	-0.6	16.5	10	0.0	26,28	-	-	79	84	17	1	21	15	0	0	0	2	0	0	0	10	-	2	3.55	148	-
TORBAY(TORQUAY)	9 9	8	11.1	5.5	8.3	-0.4	16.1	10	-0.5	26	-	11.8	71	69	22	1	16	13	0	0	0	1	0	0	4	8	-	7	3.78	154	-
CORNWALL																															
BASTREET	9 9	232	9.0	2.9	5.9	-	14.5	9	-5.9	30	-	-	204	108	32	1	23	20	0	0	4	0	0	0	9	(11)	-	1	2.82	-	-
BUDE	9 9	15	10.9	5.3	8.1	-0.6	16.3	10	-4.5	30	9.0	-	91	93	13	5	22	17	0	0	5	0	0	0	5	-	-	13	2.43	110	-
CULDROSE	9 9	81	10.1	5.8	7.9	-	14.7	10	-1.0	26	-	-	101	93	28	1	25	18	0	0	0	1	3	0	2	(8)	-	2	2.54	-	-
ELLBRIDGE	9 9	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALMOUTH	9 9	51	10.7	5.3	8.0	-1.1	15.5	10	-0.5	26,30	-	-	111	88	27	1	22	16	0	0	0	0	0	0	2	7	-	4	2.58	107	-
FOWEY	9 9	75	10.3	5.0	7.7	-1.3	14.7	9	-2.7	26	-	-	98	-	21	1	19	15	0	0	0	4	1	0	5	-	-	4	-	-	-
GULVAL	9 9	15	11.0	5.9	8.5	-	15.5	10	0.0	26,29	-	-	119	-	23	1	24	20	0	0	0	0	0	0	0	9	-	1	2.98	-	-
GWENNAP HEAD	21-9	66	(10.5)	(6.9)	(8.7)	-	14.2	10	0.7	28,29	-	-	86	-	17	20	20	18	0	0	3	0	1	0	0	2	1	19	-	-	-
LIZARD	9 9	73	10.9	-	-	-	14.9	10	-	-	-	-	89	89	13	2	22	20	0	0	0	0	0	0	-	-	-	12	3.15	122	-
NEWQUAY	9 9	54	10.5	6.1	8.3	-0.6	15.6	10	-1.7	30	-	-	105	106	13	1	20	19	0	0	0	0	0	0	5	-	-	2	2.73	118	-
PENZANCE	9 9	19	11.0	6.0	8.5	-1.0	15.5	10	-0.9	27	-	-	153	119	50	1	23	20	0	0	3	0	1	0	1	-	-	8	2.96	118	-
ROSEWARNE	9 9	76	10.4	5.5	7.9	-	15.1	10	-1.6	30	9.7	11.6	119	100	25	1	22	19	0	0	6	0	0	0	3	5	-	6	2.44	-	-
ST AUSTELL(BETHEL)	9 9	55	10.6	5.2	7.9	-	15.5	10	-1.0	26	-	-	122	-	19	1	22	16	0	0	0	4	1	0	1	9	-	2	2.93	-	-
ST JOHNS	9 9	128	9.6	4.0	6.8	-	15.8	9	-5.5	26	-	-	138	105	23	1	21	19	-	-	-	-	-	-	6	-	-	-	(3.05)	-	-
ST MAWGAN	21-9	103	10.2	5.9	8.1	-	15.5	9	-1.8	29	-	-	114	100	14	1	23	17	0	0	2	7	1	0	4	9	5	1	3.01	-	-
SCILLY(ST MARYS)	21-9	48	10.9	8.1	9.5	-0.7	14.6	7.9,10	3.1	21	-	-	91	92	16	1	23	15	0	0	3	0	0	0	0	0	1	10	2.75	110	-
CHANNEL ISLANDS																															
ALDERNEY	9 9	88	11.1	7.1	9.1	-	15.7	10	1.4	28	10.4	-	171)	-	34	12	21	17	0	0	4	0	0	0	0	1	-	10	2.38	-	-
GUERNSEY																															
AIRPORT	21-9	104	10.4	7.4	8.9	-0.6	15.5	10	1.2	29	9.9	12.1	114	104	35	20	21	16	2	0	6	0	1	0	0	2	2	8	2.52	109	-
L'ANCRESSE	9 9	5	11.9	8.1	10.0	-	17.3	10	2.5	30	-	-	116	113	32	20	19	17	0	-	2	0	0	-	0	-	-	0	2.91	-	-
JERSEY																															
AIRPORT	9 9	83	10.9	6.9	8.9	-	15.9	2.9,11	-1.5	29	10.0	12.1	143	130	39	20	23	17	2	0	5	1	2	0	1	3	2	4	2.45	-	-
GOREY CASTLE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70	-	-
ST HELIER	9 9	47	11.3	7.3	9.3	-0.6	16.5	11	-0.1	29	-	-	143	129	35	20	21	16	0	0	3	1	0	0	1	6	-	0	2.56	101	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
NORTHERN IRELAND																																
LONDONDERRY																																
AGHANLOO	9 9	18	8.5	2.0	5.3	-	15.1	10	-4.3	27,28,30	-	-	122	-	19	14	24	24	-	-	-	-	-	-	6	14	-	-	-	-	-	-
BANAGHER(CAUGH HILL) ...	9 9	216	6.9	0.5	3.7	-	13.2	10	-6.0	30	-	-	177	-	24	16	26	23	6	5	2	0	1	0	10	21	-	6	2.24	-	-
CARMONEY	9 9	73	8.3	2.0	5.1	-	14.5	10	-4.5	30	-	-	122	-	14	6	24	23	1	0	1	0	0	0	6	14	-	-	2.26	-	-
COLERAINE UNIVERSITY ...	9 9	23	8.5	2.2	5.3	-	15.0	10	-5.9	30	7.3	9.9	102	-	11	9	24	24	10	0	1	1	0	2	6	8	-	4	2.11	108	-
COOLKEERAGH	9 9	3	8.4	2.0	5.2	-	15.2	9	-4.0	29,30	-	-	135	-	13	16	24	23	-	-	-	-	-	-	6	-	-	-	-	-	-
DERRYNOYD FOREST ...	9 9	88	7.7	1.0	4.3	-	15.0	10	-5.3	30	-	-	175	154	18	23	24	24	7	1	3	0	0	0	7	25	-	-	-	-	-
GARVAGH FOREST	9 9	88	7.4	1.1	4.3	-	14.5	10	-6.4	30	6.8	9.5	173	157	22	23	24	24	2	1	1	0	0	0	8	22	-	-	-	-	-
LOUGHERMORE FOREST ...	9 9	174	7.4	0.9	4.1	-	13.6	10	-7.6	30	-	-	181	165	19	16	24	23	13	5	7	1	1	0	10	20	-	7	-	-	-
MONEYDIG	9 9	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SOMERSET FOREST ...	9 9	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																																
ALDERGROVE AIRPORT ...	21-9	68	7.7	2.4	5.1	-1.3	15.5	10	-5.5	26	7.8	10.6	71	84	9	14	23	16	11	1	2	0	0	1	9	15	12	0	2.72	145	-
ALTNAHINCH	9 9	226	6.7	1.0	3.9	-	13.2	10	-6.2	30	-	-	156	104	20	14	24	22	9	2	5	0	0	0	10	21	-	1	2.05	-	-
BALLYLUMFORD	9 9	24	8.9	3.4	6.1	-	16.0	10	-0.6	30	-	-	94	-	15	14	22	19	-	-	-	-	-	-	1	8	-	-	-	-	-
BALLYMONEY	9 9	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALLYPATRICK FOREST ...	9 9	152	7.9	1.9	4.9	-	13.8	9,10	-4.1	30	-	-	139	108	13	14	24	20	4	-	0	1	0	0	8	12	-	2	2.60	-	-
CARNLOUGH	9 9	12	9.0	3.0	6.0	-	16.2	10	-2.7	30	-	-	170	-	27	13	24	22	4	-	4	0	0	0	4	18	-	-	-	-	-
DIVIS MOUNTAIN	9 9	363	6.1	-0.3	2.9	-	13.2	10	-5.0	26,30	-	-	127	112	15	23	22	22	4	-	0	0	0	-	19	-	-	-	-	-	-
GREENMOUNT	9 9	32	8.0	1.8	4.9	-	15.9	10	-6.2	30	7.6	-	77	95	11	14	20	16	4	1	1	0	0	-	9	13	-	-	-	-	-
HYDE PARK (MALLUSK) ...	9 9	140	7.4	1.7	4.5	-	15.2	10	-4.6	30	-	-	110	-	16	6	21	16	-	0	-	-	-	-	8	20	-	-	-	-	-
KILROOT POWER STATION	9 9	12	8.8	2.9	5.9	-	15.0	10	-3.5	30	-	-	102	-	21	14	25	19	-	0	-	-	-	-	4	10	-	-	-	-	-
LISNAFILLAN	9 9	38	8.1	1.3	4.7	-	15.6	10	-6.2	26	-	-	118	126	15	23	24	20	4	0	0	0	0	0	6	22	-	-	2.48	-	-
LOWTOWN	9 9	271	6.4	1.2	3.8	-	13.2	10	-3.9	30	6.0	-	152	113	22	14	25	23	8	2	0	0	0	1	11	21	-	2	1.98	-	-
PARKMORE FOREST ...	9 9	235	6.6	0.7	3.7	-	13.7	10	-4.5	30	5.9	-	254	153	32	14	26	23	6	3	1	0	1	0	13	24	-	3	-	-	-
WOODBURN NORTH	9 9	217	6.6	1.5	4.1	-	14.0	10	-3.5	30	-	-	115	102	15	23	24	22	3	2	0	0	0	1	7	18	-	-	-	-	-
BELFAST																																
ANDERSONSTOWN	9 9	64	8.5	2.1	5.3	-	16.9	10	-3.9	26	-	-	109	-	21	14	23	21	6	2	0	1	1	0	6	11	-	-	-	-	-
MALONE	9 9	35	8.5	1.7	5.1	-	16.7	10	-5.5	30	7.9	-	101	-	20	14	23	18	-	-	-	-	-	-	8	18	-	-	2.46	-	-
MILLTOWN	9 9	37	8.6	1.9	5.3	-	16.4	10	-4.4	30	-	-	93	-	18	14	23	18	3	1	0	1	0	0	7	19	-	-	-	-	-
NEWTOWNABBEY	9 9	32	8.6	3.3	5.9	-	16.7	10	-2.4	30	7.5	-	106	109	16	14	23	19	4	1	2	0	1	0	3	12	10	5	2.48	-	5
ROSEBANK	9 9	47	8.4	2.6	5.5	-	16.3	10	-0.8	30	-	-	96	-	15	14	22	20	-	0	-	-	-	-	2	-	-	-	-	-	-
ROSETTA	9 9	24	8.3	2.2	5.3	-	16.4	10	-4.3	30	-	-	91	104	18	14	23	16	2	2	0	0	0	0	5	-	-	-	-	-	-
STORMONT CASTLE ...	9 9	56	8.3	2.6	5.5	-	16.4	10	-2.2	30	7.2	9.8	80	91	11	9.14	22	18	2	1	0	0	0	0	3	22	-	-	2.58	-	-
DOWN																																
BANGOR SEACOURT ...	9 9	15	9.0	4.1	6.5	-	16.2	10	-0.7	30	8.0	11.1	73	-	11	9	24	17	5	0	0	5	0	0	1	9	7	-	2.36	-	-
BALLYWALTER PARK ...	- -	11	-	-	-	-	-	-	-	-	-	-	69	86	13	14	24	16	-	-	-	-	-	-	-	-	-	-	2.68	-	-
BALLYWATTICOCK	9 9	6	8.5	3.0	5.7	-	14.4	10	-4.5	30	-	-	65	88	13	14	22	18	5	0	0	1	0	0	4	13	-	-	2.65	-	-
CREIGHTONS GREEN ...	9 9	119	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DOWNPATRICK	9 9	26	8.7	2.7	5.7	-	14.8	10	-4.5	30	-	-	51	-	9	9	18	15	-	-	-	-	-	1	6	10	-	-	-	-	-
HELENS BAY	9 9	43	8.2	3.4	5.8	-	15.8	10	-2.4	30	-	-	74	92	13	14	22	18	4	0	0	4	0	0	1	13	-	3	2.83	-	-
HILLSBOROUGH	9 9	116	7.8	2.1	4.9	-1.4	15.5	10	-3.2	26,30	7.9	10.0	72	86	12	11	21	15	5	0	2	0	0	0	7	17	-	6	2.82	146	-
MURLOUGH	9 9	9	8.8	2.0	5.4	-	15.9	9	-7.0	30	7.1	8.8	75	-	9	9	23	20	2	1	0	0	0	0	7	14	-	9	2.45	-	-
ARMAGH																																
ARMAGH	9 9	62	7.0	1.2	4.1	-2.4	15.4	10	-4.8	21	7.5	10.2	91	119	17	11	22	18	5	1	0	0	0	2	10	20	-	9	1.94	100	-
LOUGHGALL	9 9	25	7.8	1.4	4.6	-	16.4	10	-5.7	30	-	-	90	125	15	11	22	17	4	1	3	2	0	5	9	23	-	3	2.51	-	-
LURGAN	9 9	55	8.5	1.7	5.1	-	16.1	10	-6.0	30	7.7	10.2	72	94	13	11	22	17	2	-	0	0	0	-	8	20	-	-	2.45	-	-
TANDRAGEE	9 9	43	8.7	1.6	5.1	-	16.6	10	-6.3	30	-	-	69	-	9	11	19	16	1	-	0	0	0	-	8	-	-	-	-	-	-
TYRONE																																
ALTAVEEDAN	9 9	175	7.6	0.7	4.1	-	13.9	10	-4.9	21	-	-	133	-	18	6	23	21	-	-	-	-	-	-	12	16	-	-	-	-	-
CARRIGANS	21-9	113	7.5	1.6	4.5	-	14.1	10	-6.2	26	-	-	159	154	16	11	24	24	9	2	8	0	1	1	10	24	12	0	2.20	-	-
COOKSTOWN	9 9	77	7.8	1.3	4.5	-	14.7	10	-5.6	26	6.7	-	113	121	17	6	24	22	6	1	0	0	0	1	7	19	-	-	2.51	-	-
LOUGH BRADAN	9 9	169	6.8	-0.1	3.3	-	13.0	9,10	-7.9	30	-	-	224	175	21	9	24	24	-	3	-	-	-	0	15	20	-	-	2.21	-	-
POMEROY FOREST	9 9	174	7.0	1.0	4.0	-	13.6	9	-4.8	27	6.5	-	147	140	17	11	24	23	3	3	0	0	0	1	9	18	-	-	-	-	-
STRABANE CONVENT ...	9 9	44	8.3	1.7	5.0	-	14.4	10	-5.0	29	-	-	142	162	15	6	24	24	13	1	6	0	0	0	6	6	-	2	1.99	-	-
TIEVENNY	9 9	41	8.0	1.1	4.5	-	14.2	10	-6.0	21	-	-	156	-	15	9	24	23	-	-	-	-	-	-	9	17	-	-	-	-	-
FERMANAGH																																
CASTLE ARCHDALE FOREST	9 9	66	7.9	1.4	4.7	-1.4	14.0	9,10	-5.3	27	7.1	9.0	142	129	13	6	24	23	4	1	1	0	2	0	8	16	-	0	2.01	97	-
CORGARY	9 9	156	7.5	1.8	4.7	-	13.8	10	-5.0	26,27	-	-	162	-	26	11	24	24	4	-	7	0	4	1	6	14	10	-	-	-	-
KNOCKARAVAN	9 9	53	8.5	1.6	5.1	-	14.6	9	-5.0	26	-	-	165	-	32	11	24	22	3	1	4	0	1	0	8	11	10	-	-	-	-
LISNASKEA	9 9	49	8.7	1.1	4.9	-	15.0	10	-6.7	30	-	-	114	128	17	6	19	18	1	-	0	0	0	0	7	12	-	-	2.24	-	-
LOUGH NAVAR FOREST ...	9 9	148	7.0	0.6	3.8	-	13.2	10	-5.5	29	-	-	212	146	28	11	24	24	4	1	3	0	1	1	8	20	-	-	-	-	-
PUBBLE FOREST	9 9	91	8.1	1.1	4.6	-	14.1	10	-6.8	26	-	-	148	140	21	6	21	19	6	-	1	0	1	2	9	18	-	-	-	-	-

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

NOVEMBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: 0 - 39M	40 - 199M	200 - 399M	400 - 999M	1000 - 1999M	2000 - 3999M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
										NUMBER OF OBSERVATIONS																SPEED (KT)											
0 SCOTLAND N SHETLAND																																					
FAIR ISLE	61	9	997.4	-	6.3	1.1	8.0	82	6.6	0	2	1	21	6	0	0	0	0	0	0	0	4	5	10	11	6	8	12	3	1	8	0	0	2	2	5	7	5
		15	998.0	-	6.2	1.1	8.0	83	6.9	0	0	1	24	5	0	0	0	0	0	1	0	3	5	14	7	6	8	9	6	1	9	0	0	1	3	4	7	5
		21	998.9	-	6.0	1.4	7.5	79	5.4	0	4	10	8	8	0	0	0	0	0	1	0	2	3	9	15	3	10	8	8	1	9	1	0	0	3	5	3	8
LERWICK	83	3	996.2	-	4.8	1.1	7.3	83	5.7	0	4	8	11	7	0	0	0	0	0	0	0	2	7	14	7	0	7	12	9	2	6	0	1	1	4	5	5	6
		9	996.1	-11.7	5.1	1.2	7.5	83	6.4	0	0	7	17	6	0	0	0	0	0	0	1	1	7	12	9	1	7	15	5	2	6	0	1	2	1	7	6	5
		15	996.9	-	5.2	1.3	7.4	82	6.2	0	1	7	16	6	0	0	0	0	0	0	1	8	14	7	1	7	9	12	1	6	1	0	1	2	5	7	7
		21	997.8	-	4.8	1.2	7.3	83	5.7	1	4	6	10	9	0	0	0	0	0	0	0	4	0	17	9	0	5	10	14	1	9	0	0	0	4	5	7	4
ORKNEY																																					
KIRKWALL	26	3	998.3	-	5.0	0.8	7.7	88	5.1	1	6	7	10	6	0	0	0	0	0	0	0	0	7	16	7	1	6	16	7	0	5	0	0	0	6	5	10	4
		9	998.7	- 9.5	5.4	0.8	7.9	87	6.2	0	3	2	19	6	0	0	0	0	0	0	0	1	5	12	10	0	10	11	9	0	6	0	0	2	3	5	12	4
		15	999.1	-	6.3	1.2	7.9	82	6.3	0	1	5	22	2	0	0	0	0	0	0	0	1	5	15	9	1	5	17	7	0	7	0	0	0	5	7	8	3
		21	999.7	-	5.0	0.9	7.5	85	5.1	1	4	11	7	7	0	0	0	0	0	0	0	0	7	12	11	1	8	9	10	2	6	2	0	0	10	2	5	3
WESTERN ISLES																																					
BENBECULA	7	3	1002.3	-	5.8	0.9	8.0	86	5.3	0	5	10	8	7	0	0	0	0	0	0	0	1	4	18	7	2	11	8	9	0	2	0	1	2	5	6	7	7
		9	1002.5	- 6.0	6.2	1.1	8.0	84	5.7	0	4	6	16	4	0	0	0	0	0	0	1	1	4	17	7	0	9	15	6	0	3	1	0	1	6	7	6	6
		15	1002.4	-	6.9	1.1	8.4	84	5.4	0	4	7	16	3	0	0	0	0	0	0	0	2	2	18	8	0	11	11	7	1	5	0	0	0	6	8	6	4
		21	1002.8	-	6.0	0.9	8.1	86	5.9	0	5	3	12	10	0	0	0	0	0	0	1	0	6	15	8	1	8	9	10	2	5	1	0	0	3	5	5	4
STORNOWAY	5	3	1000.4	-	5.4	0.7	8.1	89	5.7	0	6	3	12	9	0	0	0	0	0	0	0	3	9	14	4	2	7	10	11	0	4	1	1	1	2	10	6	5
		9	1000.7	- 7.7	5.4	0.6	8.3	91	6.5	0	0	6	17	7	0	0	0	0	0	0	0	3	9	14	4	1	3	15	11	0	4	1	0	2	2	8	9	4
		15	1001.0	-	6.5	1.0	8.4	86	6.4	0	1	4	21	4	0	0	0	0	0	0	0	2	7	17	4	1	5	17	6	1	4	1	0	0	4	12	3	5
		21	1001.4	-	5.5	0.7	8.1	88	5.4	0	4	9	11	6	0	0	0	0	0	0	1	0	8	18	3	2	4	9	13	2	6	0	0	0	3	8	6	5
HIGHLAND																																					
CAPE WRATH	113	3	998.8	-	5.9	1.1	7.9	84	6.2	0	1	11	6	12	0	0	0	0	0	0	0	0	5	16	9	2	10	9	9	0	3	3	1	1	1	11	3	7
		9	999.3	-	5.8	0.9	8.0	86	6.6	0	1	6	13	10	0	0	0	0	0	0	0	2	8	12	8	1	10	12	7	0	3	5	0	2	2	10	2	6
		15	999.8	-	6.3	1.1	8.0	83	6.5	0	0	7	15	8	0	0	0	0	0	0	0	0	6	15	9	0	12	10	8	0	3	5	0	0	3	8	6	5
		21	1000.1	-	6.1	1.2	7.9	82	5.9	0	1	12	5	12	0	0	0	0	0	0	0	0	2	21	7	4	3	10	13	0	3	5	0	0	4	10	4	4
DALCROSS	12	9	1001.5	-	4.4	0.8	7.4	87	6.4	0	2	3	20	5	0	0	0	0	0	0	0	2	5	21	2	0	2	17	10	1	1	0	0	0	2	15	8	3
		15	1001.7	-	5.7	1.1	7.7	83	6.3	1	0	6	22	1	0	0	0	0	0	0	0	2	2	14	12	0	2	18	9	1	4	0	0	0	4	12	7	2
WICK	37	3	999.3	-	4.5	1.0	7.2	84	5.2	1	5	6	16	2	0	0	0	0	0	0	0	0	5	16	9	2	4	13	11	0	5	0	0	1	4	7	8	5
		9	999.5	- 9.1	4.6	1.0	7.2	84	5.7	0	4	6	18	2	0	0	0	0	0	0	0	1	5	17	7	0	5	15	10	0	6	0	0	1	3	10	7	3
		15	999.9	-	5.8	1.2	7.6	82	6.1	0	2	5	21	2	0	0	0	0	0	0	0	2	3	9	16	0	4	17	9	0	7	0	0	0	5	5	10	3
		21	1000.4	-	4.7	1.0	7.2	83	5.7	1	3	6	14	6	0	0	0	0	0	0	0	1	5	15	9	0	6	11	13	0	7	0	0	0	8	4	8	3
1 SCOTLAND E GRAMPIAN																																					
DYCE	59	3	1000.6	-	3.8	1.1	6.6	81	5.0	2	6	6	7	9	0	0	0	0	0	0	0	3	3	12	12	0	4	12	10	4	2	1	0	1	4	6	6	6
		9	1000.8	- 8.9	4.1	1.1	6.9	83	5.9	0	3	5	18	4	0	0	0	0	0	0	0	1	4	14	8	0	4	16	6	4	1	0	1	1	4	7	6	6
		15	1000.9	-	6.1	1.5	7.4	77	5.8	1	2	6	20	1	0	0	0	0	0	0	0	3	8	8	11	0	1	16	10	3	1	0	1	0	6	4	8	7
		21	1001.6	-	4.0	1.0	6.9	84	5.7	1	5	4	16	4	0	0	0	0	0	0	1	5	7	13	4	0	2	14	9	5	2	0	0	1	6	5	6	5
FRASERBURGH	22	3	999.9	-	5.9	1.1	7.8	83	5.5	1	6	5	7	11	0	0	0	0	0	0	0	0	0	22	8	0	4	7	9	10	0	3	0	0	1	7	4	7	8
		9	1000.0	- 9.2	6.1	1.1	8.0	84	5.8	0	2	7	17	4	0	0	0	0	0	0	0	0	0	13	17	0	3	5	10	12	0	5	0	0	2	5	6	9	3
		15	1000.4	-	7.5	1.5	8.3	80	6.0	0	3	4	19	4	0	0	0	0	0	0	0	0	0	7	23	0	2	9	5	14	0	5	0	0	1	4	4	13	3
		21	1000.9	-	6.2	1.2	7.8	81	5.1	0	5	8	13	4	0	0	0	0	0	0	0	0	0	18	12	0	3	6	11	10	0	4	0	0	0	11	5	6	4
KINLOSS	6	3	1001.0	-	4.4	1.0	7.1	84	5.4	2	4	5	16	3	0	0	0	0	0	0	0	0	2	17	11	1	4	13	11	1	0	0	1	0	5	15	4	4
		9	1001.1	- 8.2	4.3	0.9	7.2	85	6.0	0	3	5	19	3	0	0	0	0	0	0	0	1	5	15	9	0	4	15	10	1	2	0	0	1	5	14	5	2
		15	1001.3	-	6.2	1.4	7.6	80	6.3	0	2	3	22	3	0	0	0	0	0	0	0	0	5	13	12	0	3	17	10	0	2	1	0	2	3	12	7	3
		21	1001.7	-	5.0	1.3	7.1	80	5.4	1	6	4	15	4	0	0	0	0	0	0	0	0	4	15	11	0	1	17	12	0	1	0	0	0	11	9	4	5
LOSSIEMOUTH	6	3	1000.4	-	4.1	1.1	6.8	82	5.5	2	4	4	16	4	0	0	0	0	0	0	0	0	4	14	12	1	4	14	10	1	2	0	0	4	3	12	4	4
		9	1000.5	-	4.2	0.9	7.1	85	6.2	0	3	3	20	4	0	0	0	0	0	0	0	0	2	17	11	0	4	17	8	1	3	0	0	1	6	13	4	2
		15	1000.8	-	6.2	1.4	7.5	79	6.4	0	3	0	25	2	0	0	0	0	0	0	0	0	5	13	12	0	4	18	6	2	3	0	0	1	2	10	8	4
		21	1001.2	-	4.4	1.2	6.9	82	5.5	1	4	5	17	3	0	0	0	0	0	0	0	1	2	11	16	0	3	16	9	2	6	0	0	3	4	9	3	3
TAYSIDE																																					
USAN	35	9	1001.9	-	4.9	1.2	7.2	81	5.2	0	6	7	14	3	0	0	0	0	0	0	0	0	1	4	25	0	9	12	9	0	1	0	0	0	3	8	15	3
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1002.6	-	4.8	1.0	7.3	84	3.8	1	13	6	7	3	0	0	0	0	0	0	0	0	1	3	26	0	6	11	13	0	4	0	0	0	4	6	14	2
FIFE																																					
LEUCHARS	12	3	1002.3	-	3.8	1.3	6.5	80	4.2	3	6	10	7	4	0	0	0	0	0	0	1	0	3	10	16	0	7	9	12	2	0	0	1	0	1	11	12	3
		9	1002.3	- 7.6	4.5	1.2	6.9	80	5.8	0	5	3	19	3	0	0	0	0	0	0	0	3	4	7	16	0	4	16	10	0	0	0	0	1	0	18	9	2
		15	1002.3	-	6.4	1.8	7.1	73	5.5	0	5	6	15	4	0	0	0	0	0	0	0	1	2	16	11	0	3	19	7	1	1	0	0	0	0	17	6	5
		21	1002.9	-	4.4	1.1	7.0	82	4.6	2	7	9	8	4	0	0	0	0	0	0	0	2	2	14	12	0	3	16	10	1	2	0	1	0	1	10	12	3
LOTHIAN																																					
TURNHOUSE	44	3	1003.4	-	3.8	0.9	7.0	86	4.5	2	8	6	11	3	0	0	1	0	0	0	2	2	3	18	4	0	2	12	13	3	1	1	0	1	1	8	11	4
		9	1003.5	- 7.0	4.1	0.9	7.2	85	5.7	0	6	2	20	2	0	0	1	0	0	1	1	4	9	9	5	0	2	16	10	2	0	0	0	0	1	15	9	3
		15	1003.4	-	6.1	1.4	7.6	79	5.6	2	3	4	16	5	0	0	1	0	0	0	1	3	9	11	5	0	1	16	12	1	4	0	0	0	2	8	10	5
		21	1003.8	-	4.0	0.9	7.1	86	5.1	2	5	7	9	6	1	0	1	0	1	0	2	3	7	13	3	0	0	13	15	2	3	0	2	0	0	11	10	2
6 SCOTLAND W STRATHCLYDE																																					
ABBOTSINCH	9	3	1003.9	-	3.7	1.0	6.9	84	4.7	0	10	6	8	5	1	0	1	0	2	0	1	3	3	15	5	0	5	7	14	4	2	2	1	0	1	5	9	6
		9	1004.1	- 6.4	4.2	0.9	7.3	85	5.8	0	4	6	13	4	3	1	2	1	0	0	1	3	8	4	10	0	3	11	12	4	0	0	1	0	2	10	9	4
		15	1003.8	-	5.9	1.4	7.6	80	5.4	1	3	8	12	3	3	1	2	0	0	1	0	2	6	10	8	0	2	12	13	3	3	0	1	0	0	11	8	4
		21	1004.2	-	4.2	0.9	7.3	86	5.6	1	3	10	6	8	2	1	1	0	2	1	0	4	7	11	3	0	1	12	15	2	2	1	2	0	1	10	6	6
GLASGOW WEATHER CENTRE	17 (X)	3	1003.9	-	-	-	-	-	4.3	4	7	6	7	5	1	0	1	0	0	2	1	3	3	18	2	0	0	8	18	4	0	2	1	3	5	8	7	0
		9	1004.1	-	4.9	1.3	7.1	80	5.5	0	5	6	15	3	1	0	1	0	1	2	0	3	8	14	1	0	0	7	18	5	0	0	1	1	5	10	7	1
		15	1003.8	-	6.6	1.9	7.2	72	5.5	1	2	10	13	3	1	0	0	1	1	1	0	5	12	9	0	0	0	8	18	4	1	0	0	0	8	8	5	4
		21	1004.2	-	4.9	1.2	7.2	81	5.4	2	3	9	6	8	2	1	1	0	0	2	1	4	6	11	4	0	0	6	19	5	1	1	1	1	8	6	4	3
MACHRIHANISH	14	3	1004.6	-	5.8	1.1	7.9	83	4.9	0	10	4	9	7	0	0	0	0	0	0	0	0	0	14	7	4	12	4	9	1	3	1	3	3	5	5	6	
		9	1004.8	-	5.9	1.1	7.9	83	5.3	0	5	7	14	4	0	0	0	0	0	0	0	2	10	13	5	1	11	9	7	2	1	0	4	0	1	9	4	6
		15	1004.4	-	7.2	1.5	8.0	78	5.4	0	4	7	15	4	0	0	0	0	0	0	0	1	8	13	6	4	10	5	10	1	3	1	2	2	4	4	7	6
		21	1004.7	-	5.9	1.2	7.8	82	5.1	0	6	10	7	7	0	0	0	0	0	0	0	0	10	12	8	2	13	6	8	1	4	1	3	3	4	6	3	5
PRESTWICK	21	3	1004.9	-	4.6	0.9	7.5	85	5.3	0	9	4	7	10	0	0	0	0	0	0	1	7	7	15	0	0	8	9	11	2	4	0	3	4	2	5	6	4
		9	1005.2	- 5.4	4.6	1.0	7.5	85	5.5	0	6	3	16	5	0	0	0	0	0	0	1	7	6	17	5	0	8	11	7	1	4	0	2	3	8	6	6	5
		15	1004.7	-	6.8	1.6	7.8	77	5.5	1	4	5	18	2	0	0	0	0	0	0	1	5	9	13	2	0	7	13	9	1	4	2	0	3	1	7	6	5
		21	1005.0	-	4.8	0.8	7.7	87	5.3	2	3	8	8	9	0	0	0	0	0	0	2	8	11	8	1	1	6	11	11	1	5	1	4	3	3	5	5	
RHUVAAL	19	3	1004.4	-	7.0	1.4	8.1	80	5.3	1	3	11	7	8	0	0	0	0	0	0	0	1	4	18	7	3	7	12	8	0	7	0	1	1	9	2	6	4
		9	1004.5	-	6.5	1.2	8.1	82	5.7	0	4	6	14	6	0	0	0	0	0	0	0	0	5	19	6	3	3	15	9	0	4	0	0	1	6	7	6	6
		15	1004.2	-	7.5	1.5	8.2	78	5.3	0	3	13	10	4	0	0	0	0	0	0	0	0	4	13	10	3	10	8	9	0	6	0	0	1	9	3	4	7
		21	1004.4	-	6.6	1.2	8.1	81	4.8	1	6	11	4	8	0	0	0	0	0	0	0	0	4	14	12	1	12	8	9	0	4	1	0	1	9	5	5	5

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

NOVEMBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: DEPRESSION OF WET BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: VAPOUR PRESSURE (MB)	MEAN TEMPERATURE AND HUMIDITY: RELATIVE HUMIDITY (%)	CLOUD AMOUNT: OKTAS: MEAN	CLOUD AMOUNT: OKTAS: NUMBER OF OBSERVATIONS: 0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: NUMBER OF OBSERVATIONS: 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE: 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT): 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
6 SCOTLAND W-CONTD. STRATHCLYDE -CONTD.																																										
SLOY	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	4.7	1.2	7.1	81	5.3	2	2	8	14	4	0	0	0	0	0	0	0	0	0	8	22	0	0	0	1	26	3	4	0	0	0	1	6	4	12			
		15	-	-	6.2	1.6	7.5	77	5.7	1	1	8	14	6	0	0	0	0	0	0	0	0	6	24	0	0	0	0	2	25	3	3	0	0	0	4	4	5	11			
		21	-	-	4.8	1.2	7.1	81	5.1	5	3	4	8	10	0	0	0	0	0	0	0	0	7	23	0	0	0	0	2	24	4	2	0	0	0	5	3	2	14			
TIREE	10	3	1003.3	-	6.6	1.3	7.9	80	4.8	0	10	7	6	7	0	0	0	0	0	0	0	0	1	8	16	5	2	14	10	3	1	6	0	0	2	3	5	8	5			
		9	1003.5	- 5.8	6.4	1.1	8.1	83	5.5	0	2	12	12	4	0	0	0	0	0	0	0	0	1	7	13	9	1	13	11	5	0	4	0	1	1	3	6	9	6			
		15	1003.1	-	7.2	1.3	8.3	81	5.9	0	2	8	16	4	0	0	0	0	0	0	0	0	2	8	11	9	2	14	9	5	0	4	1	0	1	7	6	5	5			
		21	1003.4	-	6.7	1.4	7.9	79	5.6	0	6	5	10	9	0	0	0	0	0	0	0	0	3	8	13	6	2	13	12	3	0	4	1	1	3	4	6	6	5			
DUMFRIES & GALLOWAY																																										
ESKDALEMUIR	237	3	1004.7	-	3.2	0.9	6.8	85	5.1	3	4	6	9	8	0	0	0	0	0	0	0	1	7	6	13	3	0	7	11	8	4	4	0	0	0	5	7	6	4			
		9	1005.2	- 6.0	3.1	0.8	6.9	86	5.8	1	4	3	15	7	0	0	0	0	0	0	0	2	5	6	9	8	0	3	17	6	4	2	0	0	0	7	6	8	3			
		15	1004.5	-	5.0	1.3	7.2	80	6.2	0	1	8	15	6	0	0	0	0	0	0	0	2	1	5	13	9	0	5	13	8	4	2	0	0	0	6	9	5	4			
		21	1005.0	-	3.1	0.8	6.8	88	5.3	3	3	7	7	10	0	0	0	0	0	1	0	5	10	11	3	0	6	10	9	5	5	0	0	0	5	6	5	4			
2 ENGLAND E & NE NORTHUMBERLAND																																										
BOULMER	27	3	1003.1	-	5.5	1.0	7.7	84	4.0	7	6	4	6	7	0	0	0	0	0	0	0	0	4	4	7	15	0	5	15	10	0	2	0	0	0	6	7	10	5			
		9	1003.7	-	5.5	1.0	7.7	84	5.5	0	6	2	20	2	0	0	0	0	0	0	0	1	4	6	7	12	0	6	15	8	1	1	0	0	1	4	6	14	3			
		15	1003.3	-	6.9	1.3	8.3	81	5.9	0	3	5	20	2	0	0	0	0	1	0	0	2	8	9	10	0	6	15	9	0	4	0	0	0	6	6	12	2	7			
		21	1003.6	-	5.7	0.8	8.0	87	4.8	3	7	4	7	9	0	0	0	0	1	0	0	6	6	6	11	0	5	13	11	1	1	0	0	1	6	6	8	7			
SEAHOUSES	12	3	1002.5	-	-	-	-	-	3.6	3	11	6	6	4	0	0	0	0	0	0	0	2	2	25	1	0	11	9	10	0	6	0	0	0	3	6	14	1			
		9	1003.1	-	-	-	-	-	5.1	0	7	4	18	1	0	0	0	0	0	0	0	3	5	21	1	0	9	12	8	1	3	0	0	0	3	5	12	6	4			
		15	1002.7	-	-	-	-	-	5.7	0	4	5	19	2	0	0	0	0	0	1	2	8	15	4	0	0	7	12	11	0	4	1	0	0	1	6	14	4				
		21	1003.0	-	-	-	-	-	4.3	2	8	7	8	5	0	0	0	0	0	0	0	4	7	19	0	2	5	12	11	0	5	1	1	0	4	4	13	2				
TYNE & WEAR																																										
NEWCASTLE WEATHER CENTRE (X)	72	3	1004.3	-	5.6	1.3	7.4	80	5.0	5	3	3	11	8	0	0	0	1	0	0	1	2	6	14	6	0	0	13	16	1	2	0	0	0	3	3	16	5				
		9	1004.9	-	5.7	1.5	7.2	77	4.7	0	9	6	13	2	0	0	0	0	0	0	1	5	7	10	7	0	1	15	14	0	0	0	0	0	4	6	15	5				
		15	1004.4	-	7.2	1.8	7.7	75	5.6	0	3	7	18	2	0	0	0	0	0	2	3	10	11	4	0	0	8	10	2	5	0	0	0	2	3	14	4				
		21	1004.6	-	5.8	1.3	7.6	81	5.1	0	8	6	7	9	0	0	0	0	1	0	1	4	7	17	0	0	0	18	11	1	4	0	1	1	4	6	10	3				
TYNEMOUTH	40	3	1004.1	-	6.1	1.4	7.6	80	4.3	7	4	5	7	7	0	0	0	0	0	0	0	0	0	19	11	0	0	5	15	10	0	4	0	0	0	4	3	17	2			
		9	1004.7	- 6.5	6.0	1.5	7.4	78	5.0	1	5	9	12	3	0	0	0	0	0	0	0	3	18	9	0	0	5	16	9	0	1	0	0	0	5	5	13	6				
		15	1004.2	-	7.5	1.8	7.9	74	5.9	0	2	8	15	5	0	0	0	0	0	0	0	2	19	9	0	1	5	16	8	0	5	0	0	0	3	3	17	2				
		21	1004.5	-	6.4	1.3	7.8	81	4.8	3	6	6	8	7	0	0	0	0	0	0	0	3	19	8	0	1	5	15	9	0	3	1	1	0	5	1	15	4				
NORTH YORKSHIRE																																										
LEEMING	33	3	1005.6	-	5.7	1.3	7.5	80	4.0	4	8	5	10	3	0	0	0	0	0	1	0	0	4	4	10	11	0	3	15	12	0	5	0	0	1	4	5	10	5			
		9	1006.3	- 5.5	5.5	1.3	7.5	81	4.6	1	9	6	12	2	0	0	0	1	0	0	0	3	7	8	11	0	1	15	13	1	2	0	0	2	5	2	11	7				
		15	1005.6	-	7.5	1.9	7.8	73	5.5	0	4	8	16	2	0	0	0	0	0	0	0	5	8	10	7	0	6	15	8	1	4	0	0	0	5	4	11	5				
		21	1005.9	-	5.8	1.1	7.9	83	5.2	1	6	5	11	7	0	0	0	0	0	0	0	2	4	5	10	9	0	4	14	12	0	3	0	0	1	5	5	9	7			
WHITBY C.G.	66	3	1004.1	-	6.4	0.6	8.9	92	4.8	1	7	7	6	9	0	0	0	0	0	0	1	1	6	7	15	4	7	13	5	1	3	2	0	1	6	7	9	1				
		9	1004.8	-	6.4	0.6	8.8	91	5.2	0	6	7	12	5	0	0	0	0	0	0	0	2	5	15	8	3	9	8	10	0	1	1	0	0	6	8	9	5				
		15	1004.4	-	7.8	0.9	9.3	87	6.1	0	1	9	12	8	0	0	0	0	0	0	0	4	7	12	7	1	8	15	6	0	3	1	0	0	6	6	8	6	3			
		21	1004.5	-	6.6	0.3	9.5	95	5.7	0	5	7	5	13	0	0	0	0	0	0	0	2	11	12	5	2	7	12	8	1	3	3	0	2	5	9	4	3				
HUMBERSIDE																																										
SPURN POINT	20	3	1005.7	-	6.8	1.3	8.1	81	4.5	5	5	5	7	8	0	0	0	0	0	0	0	2	15	13	0	0	9	15	6	0	2	1	1	0	5	8	9	4				
		9	1006.4	-	6.8	1.3	8.1	81	4.8	0	5	11	10	4	0	0	0	0	0	0	0	3	16	11	0	0	5	21	4	0	2	1	1	0	4	8	7	7				
		15	1006.0	-	8.1	1.9	8.2	74	5.6	0	4	7	14	5	0	0	0	0	0	0	2	1	15	11	1	0	5	15	9	1	3	2	0	0	3	7	8	6				
		21	1006.0	-	7.2	1.3	8.5	81	4.5	2	7	8	5	8	0	0	0	0	0	0	0	2	12	16	0	0	6	18	6	0	3	2	0	0	4	9	6	6				
LINCOLNSHIRE																																										
BINBROOK	112	3	1006.3	-	4.8	0.8	7.7	87	4.7	2	8	6	4	10	0	0	0	0	0	0	0	3	0	12	13	2	0	2	21	7	0	3	0	1	0	3	12	5	6			
		9	1007.2	-	4.8	0.8	7.7	87	5.1	0	8	6	12	4	0	0	0	0	0	0	1	3	10	13	3	0	2	20	7	1	2	0	1	0	4	9	5	8				
		15	1006.6	-	6.7	1.4	8.0	80	5.8	0	3	4	20	3	0	0	0	0	0	0	1	2	9	16	2	0	2	18	10	0	3	1	0	0	0	12	7	7				
		21	1006.7	-	5.0	0.8	7.9	87	5.0	0	7	10	5	8	0	0	0	0	0	0	2	5	7	14	2	1	4	16	9	0	4	0	0	0	3	10	6	7				
WADDINGTON	70	3	1006.8	-	5.2	0.9	7.8	87	4.7	5	3	6	9	7	0	0	0	0	0	0	1	4	9	12	4	0	0	20	10	0	2	1	1	0	2	13	4	7				
		9	1007.7	- 4.9	5.4	0.9	7.9	85	5.1	0	6	8	13	3	0	0	0	0	0	0	2	4	4	16	6	0	0	21	9	0	2	0	0	0	3	10	8	7				
		15	1007.0	-	7.3	1.7	8.1	77	5.3	0	6	6	14	4	0	0	0	0	0	0	2	5	6	15	2	0	4	15	11	0	2	0	0	0	3	8	7	10				
		21	1007.3	-	5.6	0.9	8.1	86	5.4	3	3	5	11	8	0	0	0	0	0	0	4	2	10	13	1	1	1	17	11	0	3	0	0	0	3	11	7	6				
3 EAST ANGLIA NORFOLK																																										
COLTISHALL	17	3	1006.7	-	6.6	1.1	8.4	84	5.4	2	6	3	11	8	0	0	0	0	0	0	1	7	5	16	1	0	2	18	10	0	3	2	0	0	2	11	9	3				
		9	1007.4	-	7.2	1.2	8.6	83	5.7	0	6	2	18	4	0	0	0	0	0	0	0	4	10	10	6	0	1	23	6	0	4	2	0	0	4	8	9	3				
		15	1007.2	-	8.7	1.9	8.5	74	5.9	0	5	2	20	3	0	0	0	0	0	0	0	2	6	16	6	0	5	17	8	0	5	0	0	0	2	10	8	5				
		21	1007.3	-	6.9	1.3	8.4	82	5.5	1	6	4	10	9	0	0	0	0	0	0	2	4	10	13	1	0	3	16	10	1	6	0	0	0	2	10	10	1				
MARHAM	24	3	1007.1	-	5.8	0.8	8.3	88	5.1	3	5	5	7	10	0	0	0	0	0	1	1	6	5	10	7	0	2	20	8	0	4	2	0	1	2	11	6	4				
		9	1008.0	- 4.9	6.3	0.9	8.5	87	5.6	0	7	3	13	7	0	0	0	0	0	1	0	4	6	14	5	0	1	22	7	0	5	0	0	0	5	7	6	7				
		15	1007.6	-	8.4	1.7	8.7	77	5.9	0	3	5	17	5	0	0	0	0	0	0	0	5	3	12	10	0	3	17	10	0	5	0	1	0	0	11	6	7				
		21	1007.9	-	6.1	0.9	8.5	87	5.3	2	4	7	9	8	0	0	0	0	0	0	2	7	4	15	2	0	3	15	12	0	5	2	0	0	2	10	7	4				
CAMBRIDGESHIRE																																										
WITTERING	76	3	1007.8	-	5.5	0.7	8.1	88	5.2	2	4	7	7	10	0	0	0	0	0	0	2	5	7	13	3	0	3	19	8	0	4	1	0	1	4	7	7	6				
		9	1008.8	- 4.1	5.7	0.9	8.1	86	5.4	0	5	7	16	2	0	0	0	0	0	0	1	2	9	14	4	0	5	18	7	0	3	1	0	0	4	6	10	6				
		15	1008.1	-	7.8	1.6	8.5	77	5.2	0	8	4	14	4	0	0	0	0	0	0	0	3	6	13	8	0	6	14	10	0	3	1	0	0	4	9	8	5				
		21	1008.4	-	5.8	0.9	8.3	86	5.0	3	5	5	9	8	0	0	0	0	0	0	2	5	7	10	6	1	4	18	7	0	5	0	0	0	4	9	6	6				
WYTON	43	3	1008.0	-	5.7	0.8	8.3	88	5.3	2	5	4	12	7	0	0	0	0	0	0	1	1	6	7	11	4	0	2	18	10	0	3	2	0	0	3	12	6	4			
		9	1009.0	-	5.9	0.8	8.3	87	5.7	0	5	4	18	3	0	0	0	0	0	1	1	3	4	13	8	0	0	22	8	0	5	1	0	0	3	10	7	4				
		15	1008.3	-	8.4	1.7	8.7	77	5.6	0	5	5	16	4	0	0	0	0	0	0	1	2	4	14	10	0	3	17	10	0	3	2	0	0	1	12	6	6				
		21	1008.6	-	6.2	1.0	8.4	86	4.7	6	4	4	11	5	0	0	0	1	0	1	4	10	10	4	1	1	18	10	0	3	1	0	0	3	12	7	4				
SUFFOLK																																										
ALDEBURGH	9	9	1008.6	-	-	-	-	-	5.7	1	0	9	14	6	0	0	0	0	0	0	1	4	25	0	0	0	5	20	4	1	2	1	1	0	0	7	14	4				
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
		21	1008.4	-	-	-	-	-	5.2	7	1	4	5	13	0	0	0	0	0	0	0	5	25	0	0	0	6	11	13	0	4	2	0	0	0	10	11	3				
HONINGTON	51	3	1007.7	-	5.6	0.9	8.1	86	5.7	2	3	4	12	9	0	0	0	0	0	1	2	4	8	13	2	0	3	17	10	0	1	1	0	1	2	11	8	6				
		9	1008.5	-	6.0	1.0	8.2	86	5.4	0	6	4	18	2	0	0	0	0	0	1	2	3	4	9	11	0	1	17	12	0	3	0	0	0	4	9	8	6				
		15	1008.2	-	8.1	1.9	8.2	75	5.6	0	7	1	19	3	0	0	0	0	0	0	0	3	3	12	12	0	3	17	10	0	3	1	0	0	2	11	8	5				
		21	1008.4	-	6.1	1.1	8.2	84	5.0	3	5	6	8	8	0	0	0	1	0	0	2	6	6	13	2	0	4	14	12	0	5	0	0	0	5	8	9	3				
WATTISHAM	91	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
		9	1008.7	-	5.9	0.6	8.8	91	5.8	0	5	2	19	4	0	0	0	0	1	1	2	0	14	10	2	0	5	21	4	0	4	1	0	0	5	8	7	5				
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
BEDFORDSHIRE																																									
CARDINGTON	30	3	1008.6	-	5.8	0.7	8.5	90	5.6	3	2	5	9	11	0	0	0	0	0	0	1	7	9	13	0	0	3	19	8	0	4	2	0	0	3	11	7	3				
		9	1009.5	- 3.9	6.1	0.8	8.7	88	5.5	0	3	8	17	2	0	0	0	1	0	0	1	3	10	14	1	0	1	20	9	0	5	2	0	1	1	9	8	4				
		15	1008.9	-	8.7	1.7	8.9	77	5.9	0	1	8	19	2	0	0	0	0	0	0	0	2	16	11	1	0	4	16	10	0	3	2	0	0	0	9	11	5				
		21	1009.2	-	6.3	0.9	8.6	88	5.7	0	6	3	12	9	0	0	0	1	0	0	0	6	16	7	0	0	4	15	11	0	3	3	0	0	3	8	10	3				

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

NOVEMBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: DEPRESSION OF WET BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: VAPOUR PRESSURE (MB)	MEAN TEMPERATURE AND HUMIDITY: RELATIVE HUMIDITY (%)	CLOUD AMOUNT: OKTAS: MEAN	CLOUD AMOUNT: NUMBER OF OBSERVATIONS: 0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: NUMBER OF OBSERVATIONS: 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE: 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT): 34 OR MORE	21-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
3 EAST ANGLIA -CONTD.																																									
ESSEX																																									
SHOEBURYNESS	5	9	1009.5	- 4.1	7.5	1.2	8.9	83	5.8	0	3	7	13	7	0	0	0	0	0	0	1	3	6	12	8	0	0	23	7	0	4	0	1	0	4	7	9	5
		15	1009.3	-	9.2	1.9	9.0	75	5.7	0	6	3	15	6	0	0	0	0	0	0	1	2	5	13	9	0	0	19	11	0	2	1	1	0	1	11	7	7
		21	1009.6	-	7.4	1.2	8.9	83	5.5	3	4	3	11	9	0	0	0	0	0	0	0	3	6	18	3	0	2	16	12	0	5	2	0	0	1	11	8	3
STANSTED	102	3	1008.6	-	5.6	0.8	8.3	88	5.4	0	7	4	10	9	0	0	0	0	0	0	3	6	9	11	1	0	0	17	13	0	4	2	0	0	3	11	6	4
		9	1009.4	- 4.0	6.1	0.9	8.4	87	5.8	0	3	7	15	5	0	0	0	1	0	0	2	2	2	15	8	0	0	19	11	0	4	2	0	1	0	10	7	5
		15	1008.9	-	8.2	1.8	8.5	76	5.8	0	3	7	17	3	0	0	0	1	0	0	1	3	2	13	7	0	0	19	10	0	4	1	1	0	0	10	9	5
		21	1009.3	-	6.0	0.9	8.4	87	5.3	2	5	4	11	8	0	0	0	0	1	0	3	6	8	10	2	0	3	14	13	0	6	1	0	0	2	10	7	4
4 MIDLAND COUNTIES																																									
WEST YORKSHIRE																																									
HUDDERSFIELD	235	3	1006.5	-	3.7	0.6	7.3	89	5.7	3	3	7	3	14	0	0	0	0	0	0	0	1	4	10	16	0	3	1	10	15	1	4	2	0	0	0	8	9	6
OAKES		9	1007.4	-	4.4	0.7	7.6	89	5.4	2	2	9	7	10	0	0	0	0	0	0	0	1	8	7	14	0	0	1	12	16	1	2	1	1	0	5	4	13	3
		15	1006.7	-	5.9	1.0	8.1	85	5.9	0	5	4	12	9	0	0	0	0	0	0	1	5	7	17	0	1	5	9	14	1	2	1	1	1	4	7	7	6
		21	1006.8	-	4.9	0.7	7.9	89	6.0	1	1	8	11	9	0	0	0	0	0	0	0	4	11	15	0	1	5	10	11	3	3	0	0	0	4	8	7	5
WILSDEN	267	3	1006.5	-	4.3	0.8	7.4	87	4.6	2	9	8	1	10	0	0	0	0	0	0	0	1	3	24	2	0	0	3	18	9	0	4	1	0	1	3	5	15	1
		9	1007.4	-	4.0	0.9	7.2	85	5.1	0	4	11	9	6	0	0	0	0	0	0	0	1	5	18	7	0	0	3	17	8	2	1	1	0	0	1	9	13	5
		15	1006.5	-	5.4	1.2	7.5	81	5.9	1	2	6	10	11	0	0	0	0	0	0	0	1	7	15	8	0	1	2	15	11	1	2	1	0	0	4	7	10	5
		21	1006.7	-	4.6	0.9	7.5	85	5.6	1	3	9	6	11	0	0	0	0	0	0	0	4	25	1	0	0	6	15	9	0	4	1	0	0	1	8	14	2
SOUTH YORKSHIRE																																									
FINNINGLEY	15	3	1006.5	-	5.6	1.0	7.9	85	4.8	1	8	5	12	4	0	0	0	0	0	0	2	4	4	12	8	0	0	16	14	0	3	1	0	1	5	6	8	6
		9	1007.4	- 4.8	6.0	1.3	7.7	80	4.9	0	7	8	12	3	0	0	0	0	0	0	0	3	8	15	4	0	0	22	8	0	3	0	0	0	4	6	8	9
		15	1006.7	-	7.8	1.9	8.0	73	5.6	0	3	8	15	4	0	0	0	0	0	0	0	2	5	7	12	4	0	0	16	12	0	3	0	0	0	3	6	10	8
		21	1006.9	-	6.0	1.0	8.2	85	5.4	1	5	6	9	9	0	0	0	0	0	3	1	6	10	8	2	0	2	16	12	0	2	0	0	0	3	10	6	9
NOTTINGHAMSHIRE																																									
WATNALL	119	3	1007.5	-	5.1	0.8	7.9	87	4.6	4	5	5	10	6	0	0	0	0	0	0	3	7	13	6	1	0	0	13	17	0	6	1	1	0	2	13	5	2
		9	1008.5	- 4.0	5.3	1.0	7.7	84	5.2	0	7	5	11	7	0	0	0	0	0	0	0	9	12	9	0	0	0	15	15	0	5	1	0	0	2	9	9	4
		15	1007.7	-	7.3	1.6	8.1	77	5.6	1	5	3	17	4	0	0	0	0	0	1	0	12	9	7	1	0	0	13	17	0	5	0	0	0	3	10	8	4
		21	1008.0	-	5.6	0.9	8.1	85	5.2	4	3	5	8	10	0	0	0	0	0	1	4	10	14	1	0	0	2	11	17	0	6	0	0	0	3	11	7	3
SALOP																																									
SHAWBURY	76	3	1008.1	-	5.1	0.8	7.9	88	4.8	0	9	7	7	7	0	0	0	0	2	1	2	1	5	18	3	0	1	11	18	0	5	0	2	0	3	7	11	2
		9	1009.3	- 3.4	5.4	0.9	7.9	86	5.3	0	7	5	14	3	1	0	1	0	0	1	2	4	18	3	0	0	13	16	1	3	1	1	2	3	6	11	2	4
		15	1008.3	-	7.5	1.4	8.6	81	6.2	0	2	5	17	6	0	0	0	0	1	0	2	2	9	14	3	0	5	15	10	0	5	1	0	0	3	7	9	4
		21	1008.7	-	5.8	0.9	8.2	86	4.9	4	4	4	11	7	0	0	0	1	0	3	1	7	18	0	0	2	17	9	2	4	1	0	0	3	10	7	3
WEST MIDLANDS																																									
EDGBASTON	165	9	1009.6	- 3.5	5.0	1.1	7.4	82	5.4	0	5	4	19	2	0	0	0	0	0	2	2	8	12	6	0	0	0	12	18	0	7	1	0	0	6	2	10	4
		15	1008.7	-	7.6	2.1	7.5	70	6.0	0	3	6	18	3	0	0	0	0	0	0	1	4	13	10	1	0	2	14	13	1	6	1	1	0	3	5	9	6
		21	1009.1	-	5.9	1.2	7.8	82	5.7	4	0	6	8	12	0	0	0	0	0	1	1	4	17	7	0	0	2	11	16	1	6	2	0	0	3	7	6	5
ELMDON	100	3	1008.3	-	5.3	1.0	7.7	84	4.5	2	8	6	8	6	0	0	0	0	0	2	2	3	10	9	4	0	1	19	9	1	3	0	0	0	6	7	8	5
		9	1009.4	- 3.6	5.3	1.2	7.6	82	5.1	1	7	4	15	3	0	0	0	0	0	1	1	6	13	10	0	0	0	14	15	1	2	1	0	0	6	12	8	3
		15	1008.5	-	7.9	2.1	7.8	71	5.7	0	3	7	17	3	0	0	0	0	0	0	0	8	12	10	0	0	5	15	10	0	3	0	1	1	3	9	6	7
		21	1009.0	-	5.8	1.1	7.9	83	5.6	1	4	7	8	10	0	0	0	0	0	2	2	3	16	6	1	1	1	13	15	0	3	2	0	0	4	8	7	6
HEREFORD & WORCESTER																																									
PERSHORE					REPORTS TERMINATED																																					
GLOUCESTER																																									
INNSWORTH	24	3	1009.3	-	6.1	0.9	8.5	86	4.6	4	5	7	7	7	0	0	0	0	2	0	1	3	8	13	3	0	0	10	19	1	4	0	1	0	9	7	6	2
		9	1010.5	-	6.2	1.2	8.1	83	4.5	1	8	7	11	3	0	0	0	1	1	1	2	2	5	13	6	0	0	9	21	0	2	3	1	0	13	5	4	2
		15	1009.6	-	8.4	1.6	8.9	78	6.2	0	3	4	18	4	1	0	0	1	0	1	1	3	7	13	4	0	1	12	16	1	3	2	1	0	6	7	5	2
		21	1010.0	-	6.4	1.0	8.5	85	4.9	2	8	3	9	8	0	0	0	0	1	1	1	6	9	10	2	0	1	10	16	3	1	1	0	0	9	10	4	2
OXFORDSHIRE																																									
BENSON	74	3	1009.7	-	5.7	0.9	8.2	87	4.6	1	11	2	10	6	0	0	0	1	0	0	1	4	5	13	6	0	0	14	13	3	3	0	0	0	8	9	3	4
		9	1010.7	-	5.9	1.0	8.3	85	5.5	0	4	6	18	2	0	0	0	0	0	2	0	3	3	13	9	0	0	12	17	1	4	0	0	0	7	7	6	5
		15	1010.0	-	8.4	1.8	8.5	75	5.7	0	4	6	15	5	0	0	0	0	0	1	0	3	3	12	11	0	1	15	13	1	4	1	0	0	5	8	6	5
		21	1010.3	-	6.1	1.0	8.3	35	5.4	2	4	6	11	7	0	0	0	0	1	1	0	4	8	10	6	0	1	11	15	3	3	3	0	0	6	8	6	1
BRIZE NORTON	92	3	1009.5	-	5.6	0.9	8.1	86	4.0	8	4	6	6	6	0	0	0	0	0	0	1	5	4	11	9	0	1	14	15	0	4	0	0	0	1	10	10	5
		9	1010.5	-	5.8	1.1	7.9	83	4.6	0	9	6	12	3	0	0	0	0	0	0	2	1	6	9	12	0	0	15	15	0	6	1	0	0	2	12	8	3
		15	1009.8	-	8.1	2.0	8.2	73	5.5	0	7	2	14	7	0	0	0	0	0	0	1	1	4	16	8	0	3	15	12	0	3	1	2	0	0	12	5	7
		21	1010.1	-	6.2	1.1	8.2	83	5.0	3	6	4	7	10	0	0	0	0	0	1	5	7	11	6	0	3	12	15	0	3	3	0	0	0	12	8	4
5 ENGLAND SE & CENT. S.																																									
GREATER LONDON																																									
HEATHROW	26	3	1009.6	-	6.6	0.9	8.6	86	5.2	1	7	5	8	9	0	0	0	0	0	0	1	4	7	17	1	0	0	13	17	0	5	1	0	0	4	10	6	4
		9	1010.5	- 3.1	7.0	1.0	8.8	85	5.5	0	4	8	16	2	0	0	0	0	0	1	1	4	7	13	5	0	0	13	17	0	5	0	0	0	4	10	5	6
		15	1010.1	-	9.3	2.0	8.9	73	5.4	0	5	7	15	3	0	0	0	0	0	1	2	11	13	3	0	0	20	10	0	3	1	1	0	1	10	9	5	4
		21	1010.4	-	7.1	1.1	8.8	84	5.1	4	3	4	12	7	0	0	0	0	0	0	2	6	10	11	1	0	2	11	17	0	3	2	0	0	4	9	8	4
KEW	10	3	1009.3	-	6.9	1.5	8.2	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1010.2	- 3.4	7.2	1.6	8.3	79	5.6	0	6	4	18	2	0	0	0	0	0	0	1	1	7	14	7	0	0	11	19	0	4	2	0	0	4	11	4	5
		15	1009.8	-	9.1	2.6	8.3	69	5.6	0	5	5	15	5	0	0	0	0	0	0	1	3	9	11	6	0	0	17	13	0	4	2	1	0	3	10	5	5
		21	1010.0	-	7.3	1.7	8.3	78	5.6	3	3	4	13	7	0	0	0	0	0	1	1	5	10	13	1	0	1	10	19	0	4	2	0	0	4	10	8	2
LONDON	24	3	1009.2	-	7.4	1.6	8.3	78	5.4	3	5	2	11	9	0	0	0	0	0	0	1	0	4	8	18	0	0	1	18	11	0	3	2	0	0	4	10	8	3
WEATHER CENTRE (X)		9	1010.0	-	7.8	1.7	8.3	75	5.9	0	4	2	20	4	0	0	0	0	0	1	3	11	12	3	0	0	20	10	0	5	1	0	0	3	9	8	4
		15	1009.6	-	9.8	2.7	8.2	65	5.8	0	4	4	17	5	0	0	0	0	1	0	2	10	12	5	0	3	19	8	0	3	2	0	0	2	10	9	4
		21	1009.9	-	7.9	1.7	8.4	76	5.3	3	2	7	11	7	0	0	0	0	0	1	3	9	17	0	0	2	15	13	0	4	2	0	0	4	9	8	3
WILTSHIRE																																									
BOSCOMBE DOWN	128	3	1010.2	-	5.3	0.7	8.2	89	4.0	3	10	6	5	6	0	0	0	0	0	0	1	2	4	6	11	7	0	3	12	15	0	4	0	0	0	5	7	10	4
		9	1011.3	- 2.7	5.5	0.9	8.2	86	4.6	0	11	3	16	0	0	0	0	0	0	1	1	2	4	11	11	0	0	13	17	0	3	2	0	0	4	8	9	4
		15	1010.5	-	7.8	1.6	8.4	77	5.4	0	3	9	13	5	0	0	0	0	0	0	1	1	0	5	18	6	0	4	13	13	0	4	1	1	0	2	12	5	5
		21	1010.9	-	5.7	0.9	8.2	87	5.6	1	7	2	9	11	0	0	0	0	0	1	4	13	9	3	0	2	14	14	0	3	3	1	0	4	8	8	3
LYNEHAM	149	3	1010.0	-	5.2	0.8	8.1	88	4.9	3	6	7	4	10	0	0	0	1	0	1	1	3	5	15	4	0	2	15	18	0	5	1	0	0	3	11	8	2
		9	1011.1	- 2.6	5.2	0.9	8.0	86	5.1	0	7	7	14	2	0	0	0	0	0	2	0	4	5	14	5	0	2	14	14	0	4	2	0	0	5	10	5	4
		15	1010.2	-	7.6	1.7	8.3	76	5.8	0	5	4	13	8	0	0	0	0	0	1	0	3	5	15	6	0	2	15	13	0	5	3	0	0	2	12	5	3
		21	1010.8	-	5.6	0.9	8.1	85	5.1	1	9	2	8	10	0	0	1	0	1	0	2	2	9	13	2	0	3	10	17	0	5	3	4	0	2	12	7	2
UPAVON	183	9	1011.3	-	5.0	0.5	8.4	93	5.0	0	8	5	13	4	0	0	0	0	0	0	2	0	5	6	11	6	0	0	11	19	0	3	3	0	0	2	8	9	5
		15	1010.5	-	7.5	1.2	8.9	83	5.8	0	4	6	13	7	0	0	0	0	1	0	1	1	8	9	0	0	1	17	12	0	4	1	1	0	4	7	8	7
		21	1011.0	-	5.3	0.6	8.5	91	5.4	4	3	2	12	9	0	0	0	0	0	1	1	4	6	17	1	0	3	11	15	1	5	3	0	0	3	10	5	3

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

NOVEMBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	NUMBER OF OBSERVATIONS: 0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: 0 - 39M	40 - 199M	200 - 399M	400 - 999M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
5 ENGLAND SE & CENT. S.			-CONTD.																																							
KENT																																											
DUNGENESS	7	3	1009.6	-	-	-	-	-	4.0	9	4	3	5	9	0	0	0	0	0	0	0	3	5	21	1	1	10	12	7	0	4	0	3	0	1	4	16	2
		9	1010.3	-	8.2	1.2	9.4	83	5.9	0	5	4	12	9	0	0	0	0	0	0	0	3	8	19	0	2	6	15	7	0	3	1	2	0	0	6	14	4
		15	1010.2	-	-	-	-	-	5.5	0	4	7	15	4	0	0	0	0	0	0	0	2	5	23	0	0	10	15	4	1	4	1	1	3	0	0	6	11	6
		21	1010.3	-	-	-	-	-	5.4	2	5	5	9	9	0	0	0	0	0	0	0	2	2	23	0	1	6	15	8	0	3	0	3	0	2	4	13	5
MANSTON	45	3	1009.0	-	6.7	1.0	8.6	85	5.1	1	7	6	6	10	0	0	0	0	0	0	0	4	8	14	4	0	5	17	8	0	2	0	1	1	0	4	12	5	5
		9	1009.6	-	7.4	1.0	9.0	85	5.9	0	5	3	15	7	0	0	0	0	0	0	1	5	8	9	7	0	1	20	9	0	0	2	1	1	3	10	6	5
		15	1009.4	-	8.7	1.7	9.0	78	5.7	0	5	4	16	5	0	0	0	0	0	0	1	2	8	12	7	0	3	18	9	0	1	1	0	1	3	12	7	6
		21	1009.7	-	7.4	1.2	8.7	82	5.7	1	6	4	8	11	0	0	0	0	0	0	0	3	9	14	4	0	4	17	9	0	2	0	4	0	2	12	4	6
HAMPSHIRE																																											
SOUTHAMPTON	9	3	1010.5	-	7.2	1.1	8.9	84	4.3	4	9	3	5	9	0	0	0	0	0	0	0	2	2	10	14	2	0	0	7	23	0	2	1	0	0	2	7	12	6
WEATHER CENTRE	(X)	9	1011.6	-	7.4	1.3	8.8	82	4.5	0	11	3	15	1	0	0	0	0	0	0	1	5	3	15	5	0	0	8	21	1	2	2	0	0	2	5	12	5
		15	1011.0	-	9.5	2.2	8.8	71	5.8	0	4	8	11	7	0	0	0	0	0	0	1	3	8	13	5	0	0	11	18	1	3	2	0	0	2	5	12	5
		21	1011.2	-	7.5	1.2	8.9	82	5.6	3	2	4	13	8	0	0	0	0	0	0	1	5	9	14	1	0	0	7	23	0	3	2	0	0	4	5	11	5
WEST SUSSEX																																											
GATWICK	60	3	1009.8	-	6.1	0.8	8.5	87	5.4	4	4	1	11	10	0	0	0	0	0	0	1	1	8	8	10	2	0	0	11	18	1	2	1	1	0	4	10	7	4
		9	1010.6	- 3.3	6.7	1.0	8.7	85	6.1	0	1	7	17	5	0	0	0	0	0	0	0	0	4	9	12	5	0	1	14	14	1	4	0	0	0	1	11	8	5
		15	1010.1	-	8.6	1.8	8.8	75	5.7	0	7	2	17	4	0	0	0	0	0	0	1	0	3	8	10	8	0	3	15	12	0	3	1	0	0	1	12	5	7
		21	1010.4	-	6.5	1.0	8.6	85	5.5	1	6	2	12	9	0	0	0	0	0	0	1	2	5	11	9	2	0	3	12	15	0	3	2	0	0	2	11	8	4
EAST SUSSEX																																											
HERSTMONCEUX	28	3	1010.5	-	6.6	0.8	8.9	88	5.1	0	9	6	5	10	0	0	0	0	0	0	0	1	1	7	10	10	2	0	4	12	13	1	4	1	0	0	3	8	9	4
		9	1011.3	-	6.9	0.8	9.1	88	5.4	0	6	6	13	5	0	0	0	0	0	0	0	1	2	7	14	6	1	3	11	14	1	5	2	0	0	4	3	13	2
		15	1011.1	-	8.8	1.6	9.2	78	5.6	0	5	8	11	6	0	0	0	0	0	0	0	1	4	7	11	7	0	7	11	10	2	6	2	0	0	2	9	6	3
		21	1011.3	-	6.9	0.9	9.0	87	5.2	4	3	4	13	6	0	0	0	0	0	0	0	3	5	9	12	1	2	4	8	14	2	4	2	0	0	3	8	11	0
7A ENGLAND NW & I.O.M.																																											
CUMBRIA																																											
CARLISLE	28	3	1005.0	-	5.0	1.0	7.7	85	4.7	4	5	6	9	6	0	0	0	1	1	0	0	1	1	14	13	0	0	1	14	14	1	1	4	0	2	2	5	12	3
		9	1005.5	- 5.9	4.8	0.9	7.7	86	5.8	0	4	5	15	5	1	0	0	1	0	1	0	0	3	8	13	4	0	1	11	18	0	5	2	0	1	2	8	11	5
		15	1005.0	-	6.7	1.3	8.1	80	6.3	0	1	5	18	5	1	0	1	0	1	0	0	4	6	14	4	0	1	14	14	1	5	0	2	0	1	5	13	3
		21	1005.3	-	5.1	0.9	7.7	86	5.9	0	3	8	11	6	2	0	2	0	0	1	0	0	4	9	13	1	0	0	14	14	2	1	4	1	0	3	6	10	3
LANCASHIRE																																											
SQUIRES GATE	11	3	1006.8	-	6.5	0.8	8.7	88	5.3	0	6	6	13	5	0	0	0	0	0	0	0	3	3	5	13	6	0	7	16	6	1	5	1	4	1	0	4	0	11	3
		9	1007.6	- 4.2	6.8	1.0	8.8	86	5.8	0	2	7	19	2	0	0	0	0	0	0	2	1	5	12	8	4	0	10	12	8	0	3	1	3	1	2	5	10	6
		15	1006.7	-	7.7	1.0	9.2	85	6.6	0	2	2	19	7	0	0	0	0	0	0	2	1	5	9	9	4	0	8	13	9	0	5	2	1	0	2	6	6	6
		21	1007.0	-	6.9	0.8	9.0	88	5.6	2	3	5	15	5	0	0	0	0	0	0	0	1	3	6	6	13	2	1	9	11	7	2	4	3	1	0	2	8	5	5
MERSEYSIDE																																											
SPEKE					REPORTS TERMINATED																																							
GREATER MANCHESTER																																											
MANCHESTER	42	3	1007.8	-	6.0	1.3	7.7	81	5.2	2	4	8	10	6	0	0	0	0	1	0	0	4	17	8	0	0	0	10	19	1	4	3	0	1	9	6	4	2
WEATHER CENTRE	(X)	9	1008.8	-	5.8	1.3	7.6	80	5.2	0	7	6	13	4	0	0	0	0	1	0	0	2	5	11	10	1	0	1	11	17	1	3	2	0	1	11	6	3	4
		15	1007.8	-	7.7	2.0	7.8	72	6.3	1	2	2	19	6	0	0	0	0	0	0	0	0	5	16	7	1	0	1	13	16	0	5	2	0	1	8	7	6	1
		21	1008.1	-	6.5	1.3	8.0	80	5.6	2	2	6	14	6	0	0	0	0	2	0	0	1	4	14	9	0	0	2	9	19	0	4	4	1	1	9	5	3	3
RINGWAY	84	3	1007.6	-	5.2	0.9	7.8	86	4.6	3	9	3	6	8	1	0	2	0	0	2	0	1	5	2	16	4	0	2	16	11	1	3	1	1	1	8	6	5	4
		9	1008.6	- 3.7	5.2	1.0	7.7	84	4.8	0	9	5	11	5	0	0	0	0	0	2	0	1	4	13	10	7	0	2	15	14	0	2	1	0	1	7	4	7	9
		15	1007.6	-	7.1	1.5	8.1	79	6.2	1	2	4	17	6	0	0	0	1	0	1	2	4	13	7	2	0	3	14	13	2	2	1	0	1	4	7	9	6	6
		21	1008.0	-	5.8	1.0	8.1	85	6.3	1	2	2	18	7	0	0	0	0	2	0	3	6	9	10	0	0	2	14	12	2	4	1	1	0	4	12	4	2
ISLE OF MAN																																											
POINT OF AYRE	9	3	1006.4	-	7.2	1.0	8.9	86	5.0	0	8	6	7	9	0	0	0	0	0	0	0	0	0	5	5	20	4	10	11	5	0	4	3	1	0	5	6	8	3
		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	1006.2	-	8.2	1.4	9.0	81	6.1	0	1	9	11	9	0	0	0	0	0	0	0	0	1	2	14	13	3	10	13	4	0	4	1	2	0	3	6	9	5
		21	1006.4	-	7.3	1.0	8.9	85	4.8	4	4	8	3	11	0	0	0	0	0	0	0	0	4	7	19	3	12	10	4	1	6	1	2	0	4	7	5	4
RONALDSWAY	21	3	1006.8	-	6.7	1.4	8.0	79	4.8	0	8	10	6	6	0	0	0	0	0	0	0	0	0	5	11	14	0	11	14	4	1	5	2	1	0	1	6	8	6
		9	1007.3	- 4.0	6.9	1.6	7.9	77	6.2	0	3	3	20	4	0	0	0	0	0	0	0	1	6	12	11	0	11	12	7	0	6	0	2	1	0	6	9	6
		15	1006.5	-	7.8	1.7	8.3	76	6.4	0	1	7	14	8	0	0	0	0	0	0	1	4	5	10	10	1	9	11	9	0	3	1	2	1	0	5	10	4	
		21	1006.9	-	6.7	1.5	7.9	79	5.6	0	6	3	14	7	0	0	0	0	0	0	0	2	6	12	10	1	12	8	9	0	9	0	0	0	1	5	11	4	
7B WALES N																																											
GWYNEDD																																											
BARDSEY ISLAND	19	3	1008.8	-	8.7	0.9	10.0	87	5.3	0	6	7	6	11	0	0	0	0	0	0	0	0	0	21	9	0	6	14	5	4	1	8	1	0	0	2	3	13	2
		9	1009.6	-	8.7	1.0	9.9	87	5.8	0	0	11	15	4	0	0	0	0	0	0	0	0	1	17	8	0	5	10	5	6	0	9	1	0	0	2	3	11	4
		15	1008.7	-	9.1	1.1	10.1	85	6.4	0	1	7	12	10	0	0	0	0	0	0	0	0	1	13	10	6	7	10	7	6	0	8	1	1	0	1	6	9	4
		21	1009.2	-	8.8	0.9	10.1	87	5.4	2	3	8	7	10	0	0	0	0	0	0	0	0	0	20	10	0	7	11	6	5	1	7	0	1	0	1	6	9	5
VALLEY	11	3	1008.0	-	7.3	1.2	8.7	83	5.7	2	2	6	12	8	0	0	0	0	0	0	0	0	1	3	4	19	4	6	8	9	7	0	6	3	2	1	1	5	9	5
		9	1008.9	- 2.7	7.3	1.3	8.6	81	6.0	0	5	3	14	8	0	0	0	0	0	0	0	0	1	5	15	7	1	14	7	8	0	5	4	2	0	1	5	7	8
		15	1007.8	-	8.5	1.5	9.0	79	6.4	0	2	3	18	7	0	0	0	0	0	0	0	1	2	5	17	6	5	11	6	8	0	1	3	2	4	0	0	8	7	8
		21	1008.4	-	7.5	1.2	8.9	83	5.7	1	2	8	12	7	0	0	0	0	0	0	0	1	4	5	16	4	3	13	8	6	0	3	2	4	0	0	9	5	7
8A WALES S																																											
DYFED																																											
ABERPORTH	134	3	1010.0	-	6.9	1.2	8.5	82	4.8	2	7	6	8	7	0	0	0	0	0	0	0	0	0	3	7	15	5	0	11	13	5	1	2	3	2	1	5	3	8	5
		9	1010.8	- 1.7	7.0	1.4	8.2	79	5.3	0	7	4	15	4	0	0	0	0	0	0	0	0	1	9	11	6	2	9	15	5	0	4	1	3	1	4	7	5	7
		15	1010.0	-	7.7	1.4	8.6	79	6.3	1	2	5	12	10	0	0	0	0	0	0	0	0	1	9	13	6	2	10	10	8	0	4	2	1	0	2	10	3	7
		21	1010.4	-	6.9	1.2	8.5	82	5.2	3	5	4	10	8	0	0	0	0	0	0	0	0	1	4	9	10	7	2	11	11	6	0	3	1	3	2	7	4	3	7
BRAWDY	116	3	1010.4	-	6.7	1.3	8.2	80	5.4	1	5	6	11	7	0	0	0	0	0	0	0	0	0	2	7	20	1	0	4	20	6	0	1	1	3	0	1	1	5	7
		9	1011.2	-	6.8	1.2	8.4	82	6.1	0	3	4	20	3	0	0	0	0	1	0	0	0	2	11	10	6	0	7	13	10	0	5	1	3	0	1	5	10	9
		15	1010.3	-	8.0	1.6	8.6	78	6.4	0	3	2	16	9	0	0	0	0	0	0	0	0	2	6	16	5	1	6	14	9	0	3	3	4	3	0	1	8	6	8
		21	1010.6	-	6.8	1.2	8.4	82	5.6	2	2	8	9	9	0	0	0	0	0	0	0	0	2	6	18	4	1	5	17	7	0	3	3	3	0	1	6	7	6
BRYNAMMAN	-	9	-	-	5.4	0.8	8.1	87	5.4	0	6	7	10	7	0	0	0	0	0	1	2	3	13	12	0	0	0	2	4	17	9	1	4	0	0	0	4	7	5
		15	-	-	7.3	1.3	8.5	80	6.3	1	3	3	9	14	0	0	0	0	0	2	3	2	15	8	0	0	0	2	7	18	3	1	4	2	1	0	0	4	10	5
		21	-	-	5.7	0.9	8.2	86	5.7	3	4	4	15	8	0	0	0	0	0	4	13	2	11	0	0	0	0	6	19	5	1	2	2	0	0	0	4	10	6
MILFORD HAVEN	39	3	1010.4	-	7.8	0.9	9.5	87	4.4	7	2	9	6	6	0	0	0	0	0	0	0	0	0	3	7	17	10	0	0	3	17	9	1	3	4	1	0	1	5	6
C.B.		9	1011.2	- 1.4	7.9	1.0	9.5	86	5.7	1	2	6	18	3	0	0	0	0	0	0	0	0	0	5	16	7	0	0	4	16	9	1	5	3	4	1	1	5	9	9
		15	1010.3	-	9.2	1.2	10.0	83	6.2	1	2	4	15	8	0	0	0	0	0	0	0	0	0	4	18	7	0	1	7	12	11	0	4	4	6	1	0	5	9	6
		21	1010.7	-	7.9	1.0	9.6	86	5.0	5	2	8	8	7	0	0	0	0	0	0	0	0	0	4	19	7	0	1	8	12	9	0	3	6	1	1	0	1	5	7
WEST GLAMORGAN																																											
MUMBLES HEAD	37	3	1010.6	-	7.5	1.0	9.3	86	4.0	6	4	9	4	7	0	0	0	0	0	0	0	0	0	3	6	8	14	5	3	6	7	9	6	12	14	0	0	7	6	2	4
		9	1011.6	-	7.6	1.0	9.2	86	5.1	0	5	2	12	7	0	0	0	0	0	0	1	0	0	6	6	14	4	3	12	7	7	1	6	5	1	0	3	0	3	1
		15	1010.7	-	8.9	1.4	9.5	81	6.4	0	2	2	19	7	0	0	0	0	0	0	0	0	0	6	6	14	3	3	7	14	7	1	5	5	5	0	0	1	2	3
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

NOVEMBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT							VISIBILITY								WIND SPEED AND DIRECTION									
									OKTAS															BEAUFORT FORCE									
																								8 OR MORE	6-7	4-5	1-3	CALM					
																								SPEED (KT)									
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																											
8A WALES S -CONTD.																																			
MID GLAMORGAN																																			
CILFYNYDD	195	3	1010.7	-	5.3	0.8	8.1	87	4.4	6	6	4	4	10	0	0	0	0	0	0	0	5	25	0	0	0	1	14	9	6	2	1	0	0	1	7	13	0
		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	1010.7	-	7.3	1.1	8.8	83	6.0	2	2	4	10	12	0	0	0	0	0	0	0	3	27	0	0	1	3	10	13	3	2	3	2	1	0	0	9	7	6
		21	1011.3	-	5.4	0.8	8.3	88	5.3	5	2	5	3	15	0	0	0	0	0	0	0	5	25	0	0	0	3	9	13	5	3	2	1	0	1	5	10	3
SOUTH GLAMORGAN																																			
RHOOSE	69	3	1010.2	-	6.5	1.1	8.4	84	4.2	4	5	10	6	5	0	0	0	0	0	0	0	4	6	16	4	0	5	9	16	0	3	3	0	1	0	6	13	4
		9	1011.3	- 2.2	6.8	1.3	8.4	81	5.3	0	5	7	16	2	0	0	0	0	0	0	0	4	6	17	3	0	2	10	18	0	2	4	0	1	0	5	12	6
		15	1010.4	-	8.1	1.6	8.7	78	5.6	0	4	6	16	4	0	0	0	0	0	0	0	3	12	11	4	0	4	14	12	0	0	4	0	0	2	8	10	6
		21	1011.0	-	6.5	1.1	8.5	84	5.3	2	6	3	9	10	0	0	0	0	0	0	0	4	10	15	3	0	3	13	14	0	3	4	0	0	2	5	13	3
8B ENGLAND SW																																			
AVON																																			
FILTON	61	3	1010.1	-	6.2	0.9	8.5	86	4.8	3	3	8	11	5	0	0	0	0	0	1	2	5	4	16	2	0	2	11	17	0	1	5	0	0	0	11	10	3
		9	1011.2	- 2.3	6.6	1.1	8.5	83	5.0	0	6	7	15	2	0	0	0	0	0	0	3	4	6	19	3	0	1	14	15	0	4	5	0	0	0	7	11	3
		15	1010.4	-	8.2	1.6	8.8	78	5.6	0	5	5	17	3	0	0	0	0	0	0	1	4	11	11	3	0	2	15	13	0	4	4	1	0	1	6	12	2
		21	1010.9	-	6.3	1.0	8.4	85	5.5	3	2	7	11	7	0	0	0	0	0	1	1	7	9	10	2	1	1	11	16	1	1	6	0	0	0	8	13	1
SOMERSET																																			
EXTON	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	4.9	0.5	8.3	92	5.9	0	2	8	12	6	2	0	1	0	1	0	2	7	6	11	2	0	0	9	20	1	6	3	2	0	1	6	8	3
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	4.7	0.5	8.2	92	5.3	2	7	2	7	10	2	0	1	0	1	0	1	6	7	12	2	0	2	12	16	0	7	4	2	0	8	4	4	1
YEOVILTON	23	3	1010.8	-	6.2	1.0	8.5	85	4.7	5	3	8	6	8	0	0	0	0	0	1	3	5	13	8	0	0	3	13	7	7	1	1	1	0	0	7	8	5
		9	1011.8	-	6.6	1.1	8.5	83	5.1	0	5	11	11	3	0	0	0	0	0	1	0	2	6	9	3	0	2	12	13	3	1	2	1	0	2	6	11	3
		15	1011.0	-	8.8	1.7	9.0	77	5.7	0	3	10	13	4	0	0	0	0	0	1	2	6	6	15	0	0	5	10	14	1	4	4	1	0	0	7	7	5
		21	1011.5	-	6.5	1.0	8.6	85	5.1	3	4	6	7	10	0	0	0	0	0	1	2	3	13	11	0	1	1	11	13	4	2	2	1	0	1	5	8	7
DORSET																																			
HURN	11	3	1010.8	-	6.3	0.8	8.9	88	4.3	7	4	5	5	9	0	0	0	0	0	1	1	4	8	15	1	0	2	12	15	1	5	0	0	0	1	10	10	3
		9	1011.9	-	6.8	1.1	8.7	84	4.8	0	8	7	15	0	0	0	0	0	0	2	3	6	14	7	0	0	2	13	15	0	3	1	0	0	1	9	11	5
		15	1011.3	-	9.2	2.0	8.9	73	5.6	0	4	8	11	7	0	0	0	0	0	0	2	6	18	0	0	0	4	14	12	0	6	2	0	0	2	10	6	4
		21	1011.7	-	6.7	0.9	9.0	87	5.1	4	3	6	8	9	0	0	0	0	0	0	1	6	9	13	1	0	3	12	15	0	3	2	0	0	4	9	9	3
PORTLAND BILL.C.G.	54	3	1010.5	-	8.6	0.5	10.9	94	3.9	7	6	6	2	9	0	0	0	0	0	0	2	4	15	11	0	4	14	12	0	0	3	5	0	0	1	3	11	7
		9	1011.5	-	8.6	0.5	10.7	93	5.5	0	6	5	14	5	0	0	0	0	0	0	2	13	14	0	0	2	15	12	1	0	6	2	1	0	1	3	11	6
		15	1010.6	-	9.3	0.7	10.9	90	6.3	0	1	7	13	9	0	0	0	0	0	1	1	6	9	13	0	4	14	10	2	0	4	4	1	0	0	5	11	5
		21	1011.2	-	8.6	0.5	10.7	93	5.5	2	4	7	5	12	0	0	0	0	0	1	0	7	9	13	0	5	12	12	1	0	3	5	1	C	0	4	10	7
DEVON																																			
EXETER	38	3	1011.2	-	6.2	0.8	8.7	87	4.0	3	10	5	7	5	0	0	0	0	0	0	0	4	8	14	4	0	3	7	18	2	2	2	0	1	7	5	8	3
		9	1012.4	- 1.4	6.8	1.0	8.8	85	5.4	0	6	5	18	1	0	0	0	0	0	0	1	3	6	14	6	0	3	12	15	0	3	3	0	1	8	2	8	5
		15	1011.4	-	9.0	1.9	8.9	75	5.6	0	4	6	15	5	0	0	0	0	0	0	0	4	9	6	11	1	6	18	5	0	3	2	0	0	3	6	7	9
		21	1011.9	-	6.6	1.1	8.5	84	4.5	2	10	3	6	9	0	0	0	0	0	0	0	4	8	8	8	0	4	8	17	1	2	2	1	0	3	5	6	5
HARTLAND POINT	93	3	1010.6	-	8.4	1.4	9.2	81	4.9	2	4	10	6	8	0	0	0	0	0	0	0	0	8	13	9	2	13	12	3	0	7	1	4	0	0	3	9	6
		9	1011.5	-	8.5	1.6	9.0	78	6.0	0	2	8	14	6	0	0	0	0	0	0	0	2	7	12	9	6	9	14	1	0	3	2	3	0	0	1	16	5
		15	1010.6	-	8.7	1.6	9.1	77	6.2	0	2	6	15	7	0	0	0	0	0	0	1	2	2	6	8	9	9	5	7	0	3	4	3	0	0	1	13	6
		21	1011.2	-	8.3	1.5	8.9	79	5.7	0	5	6	9	10	0	0	0	0	0	0	0	1	2	8	11	6	12	7	5	0	7	1	6	0	0	2	12	2
MOUNT BATTEN	28	3	1012.0	-	8.2	1.2	9.4	83	4.9	3	6	4	10	7	0	0	0	0	0	0	0	6	11	13	0	0	7	12	11	0	3	5	1	0	2	3	12	4
		9	1013.1	- 0.7	8.0	1.3	9.2	82	5.6	0	4	5	18	3	0	0	0	0	0	0	1	5	11	8	6	0	8	9	12	1	5	3	1	1	0	5	10	3
		15	1012.2	-	9.5	1.8	9.3	76	5.8	0	4	5	16	5	0	0	0	0	0	0	1	5	7	13	4	0	9	13	8	0	6	3	2	0	0	7	9	3
		21	1012.7	-	7.9	1.2	9.1	82	5.4	3	3	6	8	10	0	0	0	0	0	0	1	8	12	9	0	0	8	10	10	2	2	6	0	0	2	4	10	4
PRAWLE POINT	-	3	-	-	-	-	-	-	4.9	4	4	8	4	10	0	0	0	0	0	0	0	3	14	13	0	8	9	11	2	0	5	2	1	0	1	3	15	3
		9	-	-	-	-	-	-	5.8	0	2	12	10	6	0	0	0	0	0	0	0	4	10	16	0	4	12	9	5	0	5	1	2	0	0	4	16	2
		15	-	-	-	-	-	-	6.0	0	2	9	12	7	0	0	0	0	0	1	0	7	6	16	0	9	8	8	4	1	6	0	3	0	0	4	13	3
		21	-	-	-	-	-	-	5.0	3	5	8	2	12	0	0	0	0	0	0	0	4	9	17	0	5	12	11	2	0	6	0	3	0	1	3	13	4
CORNWALL																																			
GWENNAP HEAD	70	3	1012.7	-	8.8	1.2	9.7	83	4.6	3	6	6	8	7	0	0	0	0	0	0	0	2	6	17	5	7	11	12	0	0	4	3	4	0	0	3	11	5
		9	1013.3	-	8.8	1.2	9.8	84	5.6	0	2	10	14	4	0	0	0	0	0	0	0	5	9	10	6	5	11	12	2	0	4	4	3	0	0	7	8	4
		15	1012.5	-	9.6	1.6	9.8	78	5.9	0	3	8	10	9	0	0	0	0	0	2	4	7	11	6	7	12	8	2	1	0	7	2	4	0	0	6	6	3
		21	1013.0	-	8.4	1.2	9.5	83	5.4	2	5	6	8	8	1	0	0	1	0	0	0	2	3	21	3	7	8	14	1	0	8	2	4	0	0	6	8	2
ST MAWGAN	107	3	1012.4	-	7.6	1.3	8.8	82	4.9	3	7	4	9	7	0	0	0	0	0	0	2	1	8	12	7	0	8	13	9	0	2	1	5	1	1	4	11	5
		9	1013.3	- 0.1	7.7	1.3	8.9	82	6.0	0	3	5	18	4	0	0	0	0	0	1	2	11	6	10	0	0	5	17	8	0	4	1	4	1	0	5	10	5
		15	1012.4	-	8.8	1.7	9.1	77	6.1	0	3	3	20	4	0	0	0	0	0	1	3	8	9	9	1	6	15	7	1	6	2	3	0	0	4	10	4
		21	1012.8	-	7.3	1.1	8.9	83	5.3	1	5	5	13	6	0	0	0	0	0	1	5	8	11	5	1	6	12	11	0	4	0	7	1	3	2	9	4
SCILLY	61	3	1013.0	-	9.5	1.6	9.6	78	4.7	0	8	9	6	7	0	0	0	0	0	0	1	8	12	9	2	1	11	11	3	0	3	1	4	0	1	4	10	7
		9	1013.8	+ 0.5	9.6	1.5	9.8	79	5.1	0	2	13	10	5	0	0	0	0	0	0	1	3	8	11	8	1	11	16	4	0	4	1	4	0	1	7	8	5
		15	1013.1	-	10.0	1.9	9.5	75	5.8	0	1	11	11	7	0	0	0	0	0	0	0	3	7	9	8	3	12	11	4	0	3	1	4	0	1	8	5	8
		21	1013.4	-	9.2	1.6	9.5	79	4.8	1	4	12	4	9	0	0	0	0	0	0	0	5	4	13	8	3	9	16	2	0	6	1	4	0	2	6	6	5
CHANNEL ISLANDS																																			
GUERNSEY AIRPORT	105	3	1012.7	-	8.8	1.2	9.8	83	6.3	1	1	6	10	12	0	0	0	0	0	0	2	3	9	6	10	1	8	15	6	0	4	2	2	0	2	5	10	5
		9	1014.1	-	8.9	1.3	9.8	82	5.9	0	3	7	16	4	0	0	0	0	0	0	2	7	10	11	1	8	19	2	0	5	1	3	0	1	6	8	6
		15	1013.6	-	9.4	1.6	9.7	78	6.5	0	0	6	21	3	0	0	0	0	0	0	0	2	7	9	12	2	7	16	5	0	3	1	3	0	0	5	10	3
		21	1014.0	-	8.8	1.5	9.3	78	6.2	0	1	6	18	5	0	0	0	0	0	0	0	3	6	11	10	1	10	15	4	0	4	0	4	0	3	8	6	5
JERSEY AIRPORT	83	9	1013.8	-	9.0	1.3	9.8	82	6.2	0	0	9	14	7	0	0	0	0	0	1	0	4	4	13	8	0	7	18	5	0	4	2	3	0	3	6	7	5
		15	1013.3	-	9.6	1.6	9.8	78	6.2	1	1	5	17	6	0	0	0	0	0	0	0	1	6	14	9	1	5	17	7	0	5	1	4	0	3	6	8	3
NORTHERN IRELAND																																			
LONDONDERRY																																			
MONEYDIG	35	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																																			
ALDERGROVE	73	3	1006.8	-	4.2	0.9	7.3	86	4.8	0	8	9	5	8	0	0	0	0	1	1	2	1	3	14	8	0	0	19	9	2	1	0	1	2	8	4	3	9
		9	1007.1	- 3.9	4.1	0.8	7.4	87	5.2	0	6	6	15	3	0	0	1	0	0	1	0	3	8	12	5	0	1	16	12	1	1	1	1	1	9	6	8	2
		15	1006.3	-	6.3	1.5	7.6	78	5.4	0	3	10	14	3	0	0	0	0	0	1	1	4	6	11	7	0	1	17	12	0	3	1	2	1	7	6	7	3
		21	1006.6	-	4.5	0.8	7.6	87	4.5	2	9	4	11	4	0	0	0	0	0	0	0	8	4	16	2	0	0	17	13	0	2	0	4	2	5	8	5	4
TYRONE																																			
CARRIGANS	112	9	1007.5	-	3.6	0.4	7.6	92	5.3	0	6	7	14	3	0	0	0	0	1	0	0	6	8	14	0	0	0	8	16	6	3	0	1	2	6	4	4	4
		15	1006.5	-	6.4	1.2	8.0	82	4.9	0	3	14	10	3	0	0	0	0	0	0	0	9	12	8	1	0	1	11	16	2	3	0	0	3	8	2	7	5
		21	1007.3	-	4.4	0.7	7.8	90	4.2	4	7	6	5	8	0	0	0	0	0	0	0	7	15	8	0	0	1	9	17	3	2	0	0	3	5	6	7	4

TABLE 5 NUMBER OF DAYS WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS

NOVEMBER 1977

STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
LERWICK (PSYCHROMETER)	0	7	22	1	0	0	0	0	0	0	0	2	22	6	0	0
LERWICK (SCREEN)	0	8	21	1	0	0	0	0	0	0	0	3	22	5	0	0
STORNOWAY	0	2	25	3	0	0	0	0	0	0	0	7	17	6	0	0
CRAIBSTONE	0	10	14	6	0	0	0	0	0	0	0	4	21	5	0	0
ROTHESAY	0	7	15	8	0	0	0	0	0	0	0	6	13	11	0	0
ABBOTSINCH	3	5	12	10	0	0	0	0	0	0	6	3	12	8	1	0
ESKDALEMUIR (PSYCHROMETER)	0	14	13	3	0	0	0	0	0	0	2	9	14	5	0	0
ESKDALEMUIR (SCREEN)	0	13	14	3	0	0	0	0	0	0	2	9	14	5	0	0
DOUGLAS	0	1	18	11	0	0	0	0	0	0	0	0	18	11	1	0
BOULMER	0	3	17	9	1	0	0	0	0	0	0	2	19	9	0	0
HULL	0	0	17	11	2	0	0	0	0	0	0	4	16	8	2	0
GORLESTON	0	0	16	11	3	0	0	0	0	0	0	1	18	10	1	0

STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
CAMBRIDGE BOTANIC GARDENS	0	4	13	8	5	0	0	0	0	0	0	4	16	8	2	0
EDGBASTON	0	7	12	9	2	0	0	0	0	0	0	5	15	9	1	0
KEW (PSYCHROMETER)	0	1	17	8	4	0	0	0	0	0	0	2	14	11	3	0
KEW (NORTH-WALL SCREEN)	0	1	17	8	4	0	0	0	0	0	0	0	13	14	3	0
HASTINGS	0	3	12	12	3	0	0	0	0	0	0	2	15	7	6	0
SOUTHAMPTON	0	0	15	11	4	0	0	0	0	0	0	6	10	10	4	0
STONYHURST	0	9	13	8	0	0	0	0	0	0	0	7	14	8	1	0
VALLEY	0	1	16	13	0	0	0	0	0	0	0	3	11	12	4	0
RHOOSE	0	3	15	9	3	0	0	0	0	0	0	5	10	12	3	0
FALMOUTH	0	2	14	12	2	0	0	0	0	0	0	3	14	10	3	0
ALDERGROVE	0	7	16	6	1	0	0	0	0	0	2	5	17	5	1	0
ARMAGH	2	8	13	6	1	0	0	0	0	0	0	10	16	4	0	0

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

NOVEMBER 1977

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED								MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT	HOURS OF NO RECORD		HOURLY WIND			GUST				
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS						VEER FROM N	SPEED-KT	DAY	HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY	TIME
0 SCOTLAND N																					
SHETLAND	LERWICK	93	10	10	9 11	7	16	156	289	201	67	0	14.5	210	39	11	07	220	61	9	0406
ORKNEY	KIRKWALL AIRPORT	41	15	10	12 24	8	14	156	358	160	38	0	15.5	350	40	24	02	350	56	24	0142
WESTERN ISLES	BENBECULA	16	10	10	10 14 19 24	16	21	226	269	175	34	0	17.1	290	40	14	10	280	69	14	0948
	STORNOWAY	12	10	10	7 10 11 14 23	26	18	101	314	245	34	0	14.4	210	42	10	23	210	67	10	2342
HIGHLAND	DALCROSS	19	10	10		0	16	71	375	212	62	0	12.9	340	33	24	01	200	58	10	2142
	DOUNREAY	34	12	9	24	1	9	68	297	230	113	11	11.8	340	35	24	03	330	55	14	1954
	DUIRINISH	38	20	17	DEFECTIVE RECORD																
	FORT AUGUSTUS	58	16	16		0	1	1	116	335	268	0	5.8		22	10	19	270	45	11	0630
	WICK	45	10	10	24	2	13	106	328	192	92	0	13.4	350	35	24	01	350	55	24	0124
1 SCOTLAND E																					
GRAMPIAN	ABERDEEN DYCE AIRPORT	68	10	10	24	2	9	49	359	172	138	0	11.4	320	34	24	04	320	54	24	0412
	FRASERBURGH	29	13	11	12-15 21 22 24	61	18	196	259	174	25	5	18.1	330	46	24	04	330	61	24	0436
	KINLOSS	18	13	13	24	2	11	75	369	213	61	0	13.0	330	36	24	01	220	57	11	0812
	LOSSIEMOUTH	17	10	10	14 20 24	8	13	111	338	184	79	0	14.0	340	38	24	01	340	57	24	0100
TAYSIDE	BELL ROCK	39	40	38	3 4 6-15 17 19-21 23 24	83	24	346	129	87	1	74	23.7	220	40	11	06	230	75	11	1930
	MYLNEFIELD	40	10			0	1	2	204	264	222	28	7.7	210	23	11	03	300	48	15	0230
	TUMMEL BRIDGE	161	16	16		0	0	0	125	294	298	3	5.9	230	18	10	23	220	47	11	0330
FIFE	LEUCHARS	25	13	13		0	16	131	345	210	34	0	14.4	210	33	11	04	210	52	11	0330
LOTHIAN	EDINBURGH TURNHOUSE AIRPORT	43	13	10		0	9	39	356	231	94	0	11.6	220	30	11	04	210	52	11	0354
	ROYAL OBSERVATORY, BLACKFORD HILL	159	10	10	6 7 10 11 23	15	17	164	321	141	48	31	16.2	230	38	11	03	230	68	11	0336
	FORTH ROAD BRIDGE	72		72	11-14	6	19	218	257	142	96	1	15.3		36	13	22	250	53	23	1506
6 SCOTLAND W																					
STRATHCLYDE	ABBOTSINCH AIRPORT	16	10	10		0	11	46	289	238	147	0	10.4	220	27	11	02	290	48	14	1212
	ARDROSSAN	24	20		DEFECTIVE RECORD																
	DUNSTAFFNAGE	13	10	10	14	3	14	98	302	275	30	12	13.3	260	37	14	12	260	59	14	1318
	GREENOCK PORT	51	49		14 24	8	15	136	322	166	71	17	14.4	340	40	24	01	310	62	14	1154
	INCHTERF	55	15	12		0	11	43	279	211	187	0	9.9	210	29	11	03	250	53	14	1000
	LOWTHER HILL	754	27		3 5-7 10-15 19 20 22-24	166	21	204	200	110	40	0	23.1	240	60	13	22	250	91	14	0006
	MACHRIHANISH	22	12	12	3 5 11-15 19 20 23 24	66	21	262	191	167	34	0	19.0	290	45	14	12	300	78	14	1212
	PAISLEY	57	25	9		0	6	17	266	253	141	43	9.3	290	26	14	07	320	55	14	2248
	PRESTWICK AIRPORT	21	10	10	14	3	19	181	249	153	134	0	14.0	310	36	14	12	310	64	14	1154
	TIREE	24	16	12	10 11 14 19-21 23 24	46	22	310	252	101	11	0	20.6	330	47	19	22	330	68	19	2236
DUMFRIES AND GALLOWAY	ESKDALEMUIR	259	10	10	14 15	9	17	163	272	152	124	0	13.9	290	43	15	00	290	68	15	0012
	WEST FREUGH	25	10	10		0	8	63	382	147	120	8	12.9	290	29	14	11	290	58	14	1124
2 ENGLAND E & NE																					
NORTHUMBERLAND	BLYTH	19	10	10	12 21	6	18	128	376	182	27	1	14.7	360	36	21	20	300	59	12	0042
	BOULMER	33	10	10		0	16	122	378	200	20	0	14.2	240	31	13	23	220	54	11	1930
TYNE AND WEAR	SOUTH SHIELDS	22	17	13	18 21	7	12	77	392	199	45	0	13.3	010	40	21	20	010	50	21	1954
CLEVELAND	SOUTH GARE	22	14	15	7 11-15 21-24	41	23	279	277	88	13	22	20.3	260	42	12	00	240	73	11	1942
DURHAM	DURHAM	119	16	10		0	5	33	310	204	173	0	9.8	240	25	11	21	230	60	11	1924
NORTH YORKSHIRE	LEEMING	42	10	10	12	1	14	83	385	161	90	0	13.1	250	34	12	00	230	65	11	2106
	LINTON-ON-OUSE	23	9	10	12	1	11	52	360	261	46	0	12.1	240	36	12	00	240	60	12	0012
	SILPHO MOOR	207	15	9		0	0	0	314	270	136	0	9.4	240	21	14	13	200	52	11	2012
LINCOLNSHIRE	BINBROOK	118	10	10	11	2	13	71	429	200	18	0	13.7	210	35	11	20	240	59	11	2054
	CONINGSBY	16	10	10	11	3	10	62	385	253	17	0	13.0	240	36	11	23	240	59	11	2336
	CRANWELL	68	13	13	11 12	6	16	132	412	150	0	20	15.9	230	42	11	23	240	60	11	2106
	SCAMPTON	68	10	10	11	1	11	71	420	224	2	2	13.7	230	34	11	23	230	53	11	2036
	WADDINGTON	80	10	10	11	1	9	47	415	248	9	0	12.8	240	35	11	23	240	72	11	2048
3 EAST ANGLIA																					
NORFOLK	COLTISHALL	27	10	10	11	1	12	74	416	197	32	0	13.5	240	34	11	22	240	63	11	2230
	GORLESTON	16	13	13	2 21	7	11	66	489	141	6	11	14.8	170	43	2	04	170	62	2	0454

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED								HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT			HOURLY WIND				GUST			
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS				HOURS OF NO RECORD	MEAN HOURLY WIND SPEED (KT)	YEAR FROM N	SPEED-KT	DAY	HOUR BEGINNING	YEAR FROM N	SPEED-KT	DAY	TIME
3 EAST ANGLIA - CONTINUED																				
	MARHAM	29	10	10	11	1	10	58	429	199	33	0	13.2	240	34	11	22	290	58	14	1524
CAMBRIDGESHIRE	WITTERING	87	10	10	11 14	5	14	102	453	154	6	0	15.4	280	37	14	22	320	63	14	1500
	WYTON	45	10	10		0	9	50	421	244	5	0	13.1	220	32	11	20	280	53	14	1536
SUFFOLK	HONINGTON	60	13	13		0	7	49	443	209	19	0	13.2	270	31	14	16	230	52	11	2206
	WATTISHAM	105	17	10	11 14	5	17	126	461	122	2	4	16.3	210	38	11	21	210	61	11	2236
BEDFORDSHIRE	BEDFORD	94	13	9		0	12	63	418	236	3	0	13.8	220	33	11	20	290	58	14	1548
	CARDINGTON	70	41	41	11 14	9	17	137	424	132	18	0	16.2	240	40	11	21	250	65	11	2130
HERTFORDSHIRE	GARSTON	94	15	10		0	0	0	216	466	38	0	8.8	240	21	11	22	240	49	11	2354
	ROTHAMSTED	141	13	10																	
ESSEX	SHOEBURYNESS	17	14	12		0	9	33	455	214	14	4	12.8	220	28	11	21	220	57	11	2142
	STANSTED	108	10	10		0	5	25	403	291	1	0	12.1	250	29	11	22	230	53	11	2130
4 MIDLAND COUNTIES																					
SOUTH YORKSHIRE	FINNINGLEY	19	10	10		0	6	43	370	286	21	0	11.9	240	30	11	23	230	51	11	2018
	SHEFFIELD UNIVERSITY	146	29	15		0	5	43	369	232	59	17	11.6	250	29	11	23	250	64	11	2300
NOTTINGHAMSHIRE	WATNALL	133	16	10		0	4	14	338	358	10	0	10.9	210	26	11	20	230	59	11	2030
STAFFORDSHIRE	KEELE	215	15	10		0	3	13	215	350	142	0	8.6	170	26	11	22	210	54	15	0030
SALOP	SHAWBURY	84	12	10		0	8	55	316	262	85	2	11.6	240	33	11	22	270	58	14	1342
WEST MIDLANDS	BIRMINGHAM EDGBASTON	196	36	22		0	5	16	299	318	87	0	10.3	250	27	11	20	290	55	14	1506
	ELMDON AIRPORT	104	10	10		0	7	47	363	254	56	0	11.9	240	32	11	20	300	56	14	1506
OXFORDSHIRE	BENSON	60	10	10		0	4	19	324	260	117	0	10.2	210	28	11	20	250	51	11	2130
	BRIZE NORTON	91	13	10		0	10	54	342	307	17	0	12.3	300	32	14	16	250	57	11	2054
	OXFORD				DEFECTIVE RECORD																
5 ENGLAND SE & CENTRAL S																					
GREATER LONDON	HEATHROW AIRPORT	34	10	10		0	4	21	349	343	7	0	11.5	210	26	11	19	240	55	11	2206
	KEW	28	23	15		0	2	6	340	340	34	0	10.5	220	27	11	20	290	56	14	1648
	LONDON WEATHER CENTRE	93	70	38		0	7	37	454	226	3	0	13.4	200	29	11	19	210	58	11	2000
	POST OFFICE TOWER			174	1 2 7 9 11 12 14 15 20 21 23 24	49	29	389	270	12	0	0	23.5	260	46	11	21	270	75	11	2100
WILTSHIRE	BOSCOMBE DOWN	130	17	17		0	10	64	360	289	7	0	12.8	230	32	11	19	270	49	14	1342
	LARKHILL	145	13	10		0	5	21	315	377	7	0	11.2	220	28	11	20	220	55	11	1900
	LYNEHAM	159	14	11	11 14	2	9	57	346	307	8	0	12.4	230	36	11	21	240	60	11	2054
	PORTON	120	10	10	11	1	13	67	314	288	50	0	12.1	230	34	11	20	230	56	11	2106
KENT	DUNGENESS	16	10	10	2 7 11 14 21	13	20	180	371	136	20	0	17.0	080	40	21	07	250	63	11	2130
	ISLE OF GRAIN	15	12	10		0	10	65	424	186	21	24	13.7	230	32	11	21	290	60	14	1718
	DOVER	27	21	18	1 2 5-9 11 12 14 20 21 23	92	23	209	328	62	20	9	21.0	250	51	11	22	240	74	11	2242
	MANSTON	62	18	18	2 11	6	17	130	419	146	19	0	15.6	230	37	11	22	230	61	11	2300
HAMPSHIRE	CALSHOT	15	13	10		0	13	88	392	236	1	3	14.1	250	32	11	20	240	56	11	2012
	FARNBOROUGH	75	10	10		0	2	6	277	342	95	0	9.3	230	26	11	21	230	53	11	2142
	MIDDLE WALLOP	94	10	10	14	1	10	57	345	277	19	21	12.4	280	34	14	16	270	55	14	1418
WEST SUSSEX	GATWICK AIRPORT	69	10	10		0	8	42	339	287	52	0	11.5	240	30	11	22	240	54	11	2236
	THORNEY ISLAND	16	10	10	11	2	12	97	318	256	25	22	13.3	240	35	11	21	290	57	14	1730
7A ENGLAND NW & I O M																					
CUMBRIA	CARLISLE	41	13	9		0	6	33	302	232	153	0	10.2	270	27	12	00	240	59	11	2112
	GREAT DUN FELL	857	10	10	3-15 19-21 23-25	275	21	236	132	48	22	7	30.1	230	69	11	18	240	98	11	2030
	MOOR HOUSE	595	13	12	7 10 12 14 19 23	20	19	186	299	116	66	33	16.9	270	39	14	11	230	65	11	2036
	SELLAFIELD	25	12	11	11	1	12	81	334	214	84	6	12.7		37	11	23		61	11	2254
LANCASHIRE	FLEETWOOD	34	15	9	11 12 14 15 23 24	22	15	153	294	151	100	0	14.8	290	42	14	17	260	72	11	2254
	SQUIRES GATE AIRPORT	22	12	11	11 12 14	12	16	193	315	138	62	0	15.7	250	42	11	23	310	64	14	2036
MERSEYSIDE	AIGBURTH	38	23	11	11 14	10	8	90	350	170	100	0	12.7	200	36	11	16	280	61	14	1412
GREATER MANCHESTER	MANCHESTER RINGWAY AIRPORT	80	10	10		0	7	52	365	198	105	0	11.7	210	32	11	18	280	59	14	1654
	WEATHER CENTRE	82	45	17		0	5	24	305	263	128	0	9.9	220	30	11	23	250	65	14	1400
ISLE OF MAN	POINT OF AYRE	20	10	10	11 14 15 23 24	30	22	296	276	105	13	0	19.8	290	42	14	13	300	63	14	1312
	RONALDSWAY	25	10	10	7 11 14	13	20	281	240	166	20	0	17.9	270	40	11	22	290	63	14	1324
7B WALES N																					
GWYNEDD	VALLEY	26	16	12	3 6 7 11 12 14 15 19 23 24	85	21	265	207	139	24	0	20.6	240	52	11	19	270	66	11	2136
8A WALES SOUTH																					
DYFED	ABERPORTH	144	10	10	11 12 14 15 23 24	33	18	223	306	120	38	0	18.0	300	46	14	18	300	70	14	1900
	BRAWDY	121	10	10	11	7	19	161	366	177	9	0	16.1	240	39	11	19	250	60	11	1954
	MILFORD HAVEN	47	10	10	11	7	17	101	355	242	13	2	14.3	250	43	11	19	250	67	11	1954
WEST GLAMORGAN	PORT TALBOT	28	12	11																	
MID GLAMORGAN	CILFYNYDD	210	16	16	11	1	10	69	282	279	88	1	11.5	240	35	11	18	240	68	11	1812
SOUTH GLAMORGAN	RHOOSE AIRPORT	74	10	10		0	11	86	320	235	79	0	12.2	230	33	11	18	290	57	14	1530
8B ENGLAND SW																					
AVON	AVONMOUTH	28	19	10	DEFECTIVE RECORD																
SOMERSET	YEOVILTON	22	12	10	14	3	11	63	292	280	80	2	11.7	310	38	14	17	300	67	14	1648
DORSET	HURN AIRPORT	23	13	11		0	10	53	320	311	36	0	11.6	220	31	11	21	230	62	11	2136
	PORTLAND BILL CG	60	13	13	1 2 11-15 19 20 23 24	83	24	301	314	8	0	14	22.9	270	48	11	21	260	72	11	1936
DEVON	MOUNT BATTEN	64	13	13	1 11	6	17	149	317	204	44	0	14.7	240	38	11	18	280	57	14	1412
CORNWALL	CULDROSE				11 14 16	4	17	124	396	170	26	0	15.0	320	36	14	19	300	61	14	1506
	LIZARD	96	23	18	1 2 7 9 11 12 14-16 20 23 24	80	24	275	284	76	3	2	21.7	280	46	14	14	300	69	14	1454
	ST MAWGAN	120	13	13	14	7	16	153	353	195	12	0	15.5	310	36	14	18	310	53	14	1918
	SCILLY(ST MARYS)	70	20	17	1 2 11 12 14-16 20 23 24	81	25	316	271	46	6	0	22.5	290	44	14	14	300	72	14	1436
CHANNEL ISLANDS																					
	GUERNSEY AIRPORT	111	11	10																	
	JERSEY AIRPORT	94	12	10	14 16 21	15	14	152	394	141	18	0	16.4	290	43	14	19	290	63	14	1906
NORTHERN IRELAND																					
LONDONDERRY	COLERAINE UNIVERSITY	33	10	10	DEFECTIVE RECORD																
ANTRIM	ALDERGROVE	80	10	10		0	5	30	387	214	89	0	11.5	290	29	14	11	290	55	14	1118
	BALLYPATRICK FOREST	166	13	13	14	1	13	128	335	146	60	50	14.7	320	34	14	18	280	65	14	0930
	BELFAST HARBOUR	21	18	18	14	2	17	107	363	111	137	0	13.3	290	35	14	18	300	65	14	1806
DOWN	KILKEEL	36	19	14	DEFECTIVE RECORD																
	ORLOCK HEAD	51	16	12	11 12 14 15 23 24	32	21	262	277	114	24	11	19.4	290	48	11	22	290	76	11	2206
TYRONE	CARRIGANS	129	10	10		0	3	15	204	288	210	3	7.9	270	28	14	12	280	55	14	1248
FERMANAGH	CASTLE ARCHDALE FOREST	79	13	13		0	4	26	290	236	168	0	9.2	200	28	10	23	290	56	14	1436

TABLE 3 ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)												BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM						MOST IN A DAY		PRECIP-ITATION														
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE	30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	AMOUNT (MM)	DATE	0.2 MM OR MORE	1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
1976	JANUARY	DRUMMOND CASTLE											104		33	2	20	18													
		GIRVAN													14	19															
	FEBRUARY	FORTROSE											(21)	(51)	(6)	14	9	(7)													
	APRIL	WEST LINTON											67	113	(20)	2															
		GIRVAN															13	11													
	MAY	LENTRAN											49				20	14													
		FALKIRK															21	17													
	JULY	FYVIE CASTLE													(10)	18	11	8								7					
1977	MAY	GATWICK																								6					
		BALLYLUMFORD																													
		BALLYWATTICOCK	14.5		9.9																										
		HELENS BAY	14.6	6.2	10.4		22.3	28	1.4	14			22	37	7	11	9	7	0	0	0	1	0	0	0	11		0	7.90		
	JUNE	CHOPWELLWOOD											68	113				8													
		TYNEMOUTH											58	126																	
		WASHINGTON											68		(20)	10	(13)	(9)													
		SCARBOROUGH											71	155			15	11													
		BRIGG														13															
		SUTTON BRIDGE													12	28	(14)	(11)													
		GORLESTON											29	68			11	5													
		LUTON										12.5																			
		HARLOW	17.0	8.4	12.7		23.0	3	3.7	9		11.9	69	148	33	13	17	11	0	0	0	0	3	0	0			0	4.44		
		HAMPTON LOADE		7.3	12.0																										
		PRESTON MONTFORD											105																		
		MORETON MORRELL	16.3	7.4	11.9																						(1)				
		WELLESBOURNE																													
		BUGBROOKE MILLS		8.2																											
		OXFORD									13.9																				
		SHIRBURN (MODEL FARM)									13.8																				
		DUNGENESS											52	136	17	13															
		SPARSHOLT	(15.4)	(7.8)	(11.6)				3.9	9							12														
		RYDE											50	114			14	10													
		SHANKLIN											51	97			15	10													
		NEWTON RIGG	(16.6)	7.1	(11.9)	(-1.2)	23.9	23	2.0	9	13.9		73	130	20	12	14	12	0	0	0	0	0	0	0	3		0	8.20	135	S
		MACCLESFIELD	16.2																												
		BETWS-Y-COED															15	14											(6.54)		
		BOTWNNOG																													
		HAWARDEN BRIDGE		8.6	13.1	-1.6			1.6	9																					
		WHITECHURCH	15.5	7.2	11.3		21.4	23	0.7	1			73		20	10	13	9	0	0	0	0	0	1	0	4		1			
		SWANSEA														10															
		PORTHCAWL																													
		BATH											(112)	(196)		9	(12)	(10)													
		RODNEY STOKE																													
		WINCANTON	16.1																												
		POOLE		8.9	12.7	-2.4																							(5.36)		
		PORTLAND BILL CG																													

Averages for 1941-70 were brought into use on 1-1-1974. Additions or corrections for months prior to this date refer to the averages in use at the time.

(x) Urban rooftop site.

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THE METEOROLOGICAL OFFICE

MET.0.908 UDC 551.506.1 (41.4)

MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

DECEMBER 1977

VOLUME 94 NUMBER 12

METEOROLOGICAL OFFICE 10 JUL 1978 LIBRARY

Mostly mild; very windy at times.

An anticyclone centred over Scotland drifted to the North Sea at the beginning of the month and Atlantic fronts then moved slowly into western districts. A depression moved up the English Channel on the 6th, followed by further low-pressure centres from the south-west, their associated troughs moving northwards over Britain. Fronts moved north-eastwards across all parts on the 10th and on the 11th, when an intense depression moved from the Irish Sea area to Scotland. An anticyclone to the south extended a ridge over southern Britain on the 13th and weak fronts then crossed northern districts. This anticyclone drifted east on the 16th and another high centre moved east across Scotland on the 17th. Frontal systems with alternating ridges then moved north-east across the British Isles, with a deepening depression crossing northern areas overnight on the 23rd/24th. A north-westerly airflow became established on the 27th and weak fronts then moved south-east at times until the 31st, when the airstream became westerly.

Weather

After a cold start, the weather became generally mild, except for a few days towards the end of the month. Outbreaks of rain or showers, sometimes wintry, mostly occurred until about the 12th and from the 27th onwards, although rainfall amounts were often small in Scotland. Snowfall was mostly confined to high ground in the north and west. Much of the month was windy, with gales during the first half and in the last week. Fog persisted in places during the third week.

Wind

East to south-east winds reached gale force at times in exposed places in the north and west until about the 12th. The middle part of the month was quieter, with directions mostly between south-east and south-west. Winds strengthened on some northern coasts on the 21st, and on the night of the 23rd/24th severe south-westerly gales swept across England and Wales, damaging property and bringing down trees. A coaster sank in heavy seas off the Cornish coast and only 2 of the 9 people aboard survived. Most stations in England and Wales recorded their highest gust for the month at this time, the wind gusting to 92 kt at Great Dun Fell (857 m) in Cumbria. Winds later veered to north-west and there were further severe gales in places. Maximum gusts in northern districts mostly occurred on the 29th or on the 30th, when the high-level station at Snaefell (Isle of Man) recorded a gust of 104 kt.

Temperature

Monthly mean temperatures were above average in all areas, mostly by 1 to 2 °C, but by a little over 2 °C in a few places in East Anglia and southern England and by about 0.5 to 1.0 °C in the Channel Islands, the Isle of Man, the Hebrides, parts of northern Scotland and along some western coasts of Great Britain. The month started cold, the temperature falling to -11.6 °C at Lagganlia in the Scottish Highlands on the night of 30 November/1 December, and many places recorded their lowest minima during the first few days. The weather then became milder and remained so generally until the 27th. Except in northern Scotland, the mildest day of the month was the 23rd, when the temperature rose to about 16 °C at several places in southern England, while at Kew (Greater London) the maximum of 15.4 °C (north-wall screen) was the highest comparable December reading since records began there in 1871. Colder weather reached most districts on the 27th, but it became milder again at the end of the month.

Rainfall (including melted snow)

Monthly rainfall totals were above or near average in Shetland, over central, eastern and southern England (except along north-facing coasts of the south-western peninsula), and in parts of Wales, northern England and the Border counties. Monthly totals were mostly below normal elsewhere. Most of Scotland had a very dry month, with totals below 50 per cent of average over much of the north. In the Western Isles only 29 mm fell at Stornoway, making this the driest December there since records began in 1876. After a fairly dry start, outbreaks of rain and scattered thunderstorms mostly occurred between the 6th and the 12th, the rain causing floods in parts of Devon and Dorset. The weather then became drier until the 21st, apart from a period of rain over southern areas on the 17th/18th. Heavy rain fell in Scotland and northern England on the 22nd and 23rd, Honister Pass (Cumbria) recording 124 mm in the 24 hours from 18 GMT on the 22nd. The rest of the month was changeable, with isolated thunderstorms in southern and central areas on the 27th and 28th.

Snow

Snowfall was infrequent, and many places in southern England, except in the south-west, had no snow at all. A little sleet fell at the beginning of the month, however, and snow was reported from the Channel Islands on the 1st. Showers of sleet and snow occurred, mainly in northern areas, between the 6th and the 8th, depths of 12 to 20 cm being measured in undrifted snow in the Grampians. Snow falling on Thornton Moor (West Yorkshire) on the 7th gave rise to 60 cm drifts, which disappeared quickly after rain. There were further wintry showers from the 27th onwards and drifts up to about 90 cm were reported on Snowdon. Except on the tops of the highest Scottish mountains, snow cover on upland slopes mostly receded or thawed between about the 10th and the 26th.

Sunshine

Sunshine totals were above average around the Thames Estuary, over most of eastern England between Cromer (Norfolk) and Scarborough (North Yorkshire), in the east and north Midlands, and also in south-west, central and north-west Scotland and in places in the Northern and Western Isles. Totals exceeded 150 per cent of average at Stornoway in the Isle of Lewis and also in the Glasgow area. Sunshine was below average almost everywhere else, with values near or below 50 per cent of the normal in the Isle of Man and in parts of south-west England and Northern Ireland: Castle Archdale Forest in Co. Fermanagh with only 12.2 hours (29 per cent of average) had its dullest December since records began there in 1942.

Fog

Patches of overnight fog lingered on the 1st before clearing in the afternoon, when the persistent fog in the Glasgow area also finally lifted. Hill fog formed extensively around the end of the first week and again between the 13th and the 22nd, when fog was generally most frequent. The fog was dense and slow to clear at times, particularly on the 19th, when London/Heathrow Airport was badly affected, and on the 20th, when it caused a number of road accidents near Huddersfield. Occurrences of fog were less frequent during the last week.

Miscellaneous Phenomena

The aurora was observed in Scotland on two nights.

Table 1 District values

District	air temperature °C					mean 30-cm earth temp °C	rain-days	rainfall	sunshine
	Highest Max.*	Lowest Min.*	max.	min.	mean				
			difference from average					% of average	
0 Scotland N	13.0	-5.5	+1.0	+1.0	+1.0	-0.2	-5	48	108
1 Scotland E	12.5	-9.0	+1.2	+1.5	+1.3	+0.9	-3	71	96
2 England E & NE	15.5	-3.2	+1.3	+2.1	+1.7	+0.9	-1	113	95
3 East Anglia	15.9	-3.3	+1.4	+2.3	+1.9	+1.3	0	107	104
4 Midland Counties	15.4	-3.8	+1.3	+1.9	+1.6	+0.6	+1	113	98
5 England SE & Central S	16.0	-2.5	+1.4	+2.1	+1.7	+1.1	+1	122	86
6 Scotland W	12.6	-5.7	+0.8	+1.6	+1.2	+0.2	-3	67	105
7 England NW & Wales N	15.5	-3.7	+0.6	+1.6	+1.1	+0.2	0	87	83
8 England SW & Wales S	15.6	-3.8	+0.9	+1.5	+1.3	+0.1	0	102	67
N Ireland	12.8	-8.5	+1.0	+1.4	+1.2	+0.3	+1	85	54
Scotland	13.0	-9.0	+1.0	+1.4	+1.2	+0.3	-4	62	103
England & Wales	16.0	-3.8	+1.1	+1.9	+1.5	+0.7	0	107	89

*Highest maximum and lowest minimum of District Value Stations.

FHL

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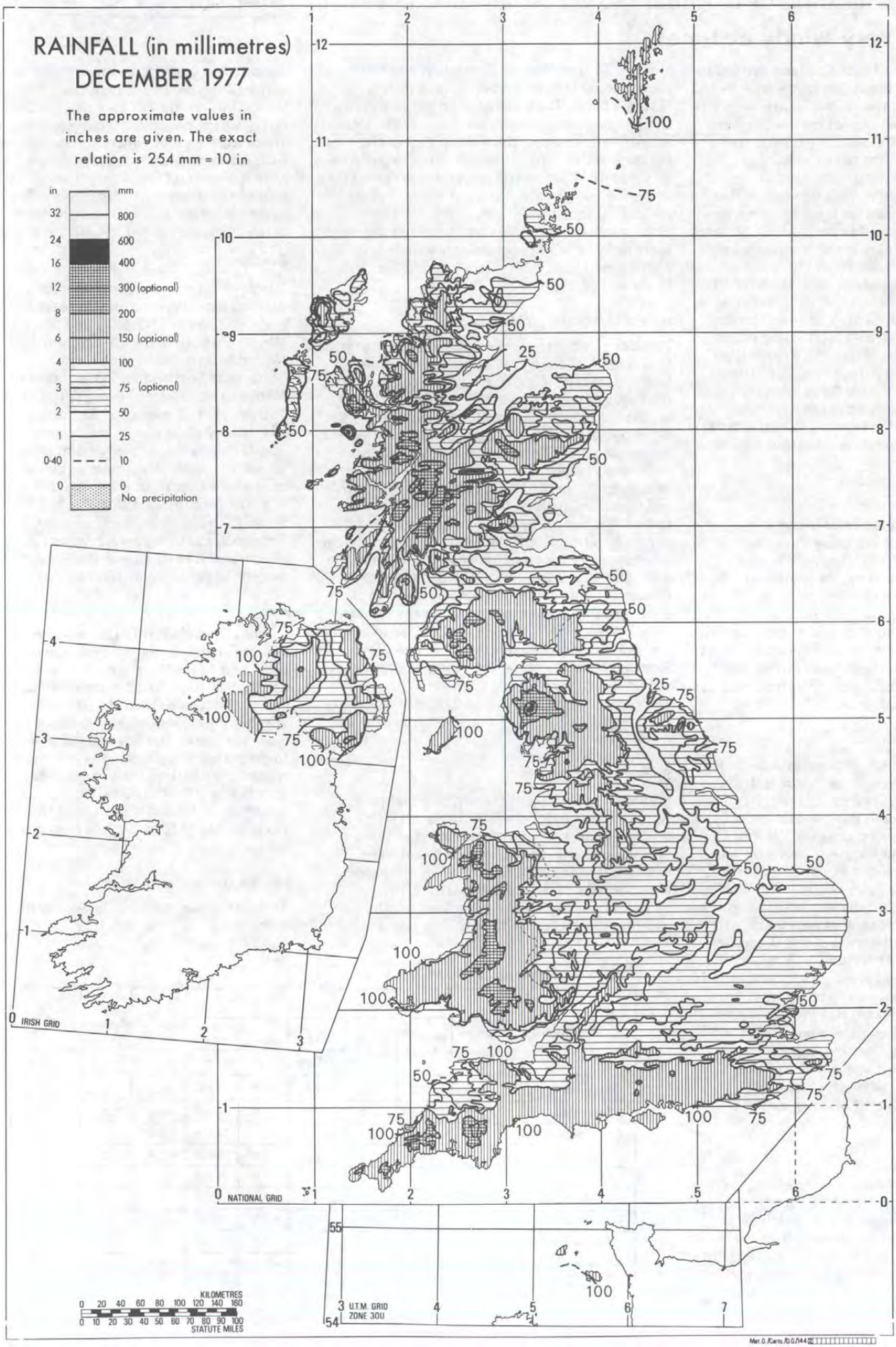
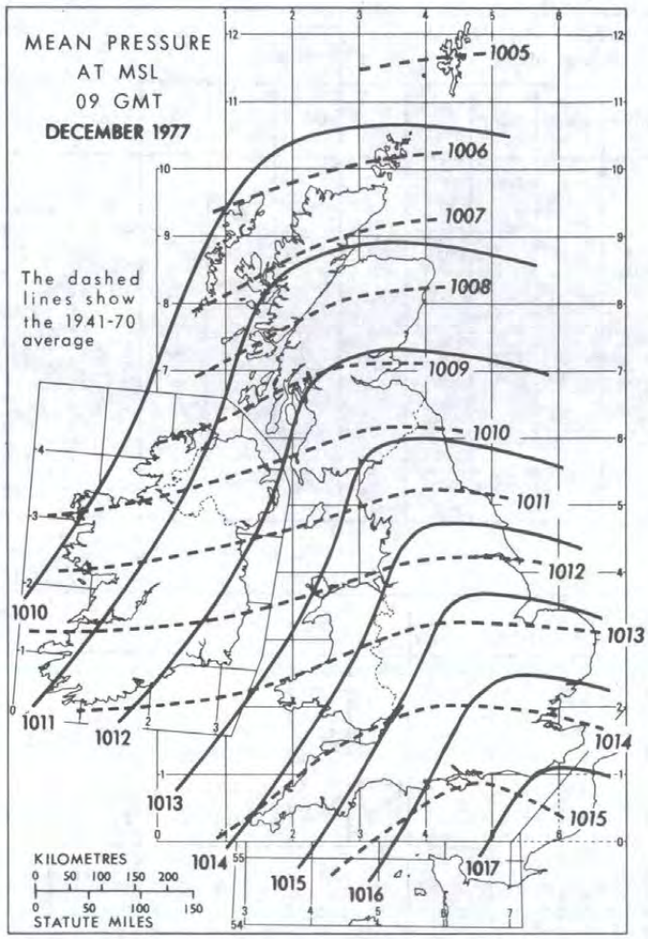
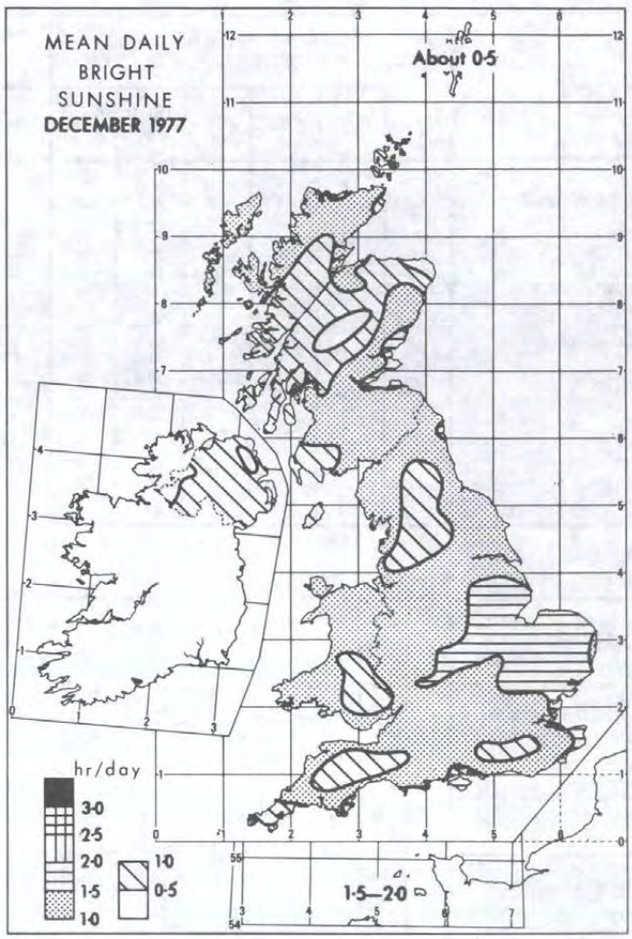
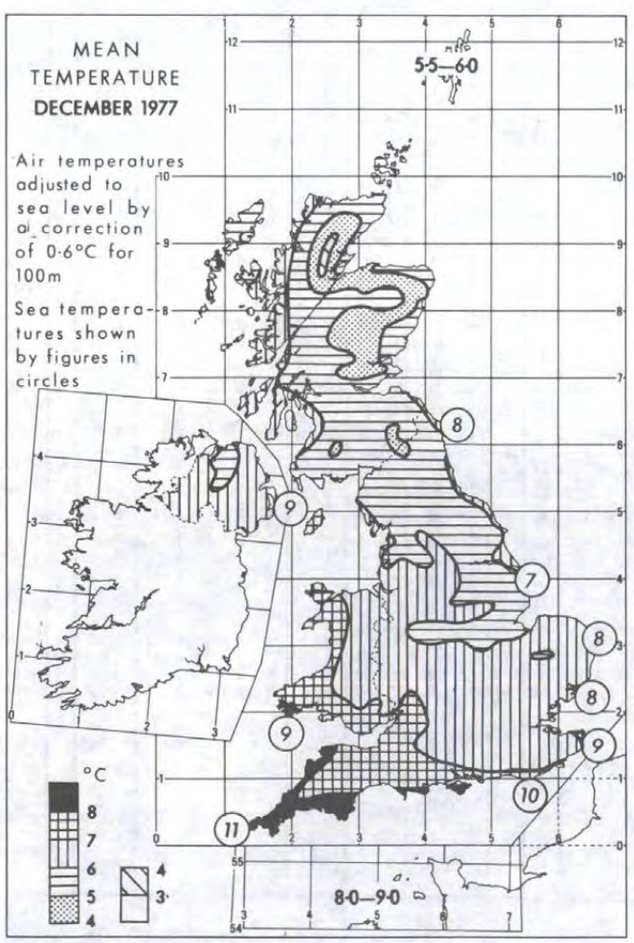
Additional to Monthly Parts, each Annual Volume of the Weather Report includes an explanatory Introduction and a Summary for the Year.


RAINFALL (in millimetres)
DECEMBER 1977
The approximate values in inches are given. The exact relation is 254 mm = 10 in
in
mm
32
800
24
600
16
400
12
300 (optional)
8
200
6
150 (optional)
4
100
3
75 (optional)
2
50
1
25
0·40
10
0
0
No precipitation
IRISH GRID
NATIONAL GRID
U.T.M. GRID ZONE 30U
KILOMETRES
STATUTE MILES


MEAN PRESSURE
AT MSL
09 GMT
DECEMBER 1977
The dashed lines show the 1941-70 average
1005
1006
1007
1008
1009
1010
1011
1012
1013
1014
1015
1016
1017
KILOMETRES
0 50 100 150 200
0 50 100 150
STATUTE MILES


MEAN DAILY
BRIGHT
SUNSHINE
DECEMBER 1977
About 0·5
hr/day
3·0
2·5
2·0
1·5
1·0
1·0
0·5
1·5—2·0


MEAN
TEMPERATURE
DECEMBER 1977
Air temperatures adjusted to sea level by a correction of 0·6°C for 100m
Sea temperatures shown by figures in circles
5·5—6·0
8·0—9·0
°C
8
7
6
5
4
4
3

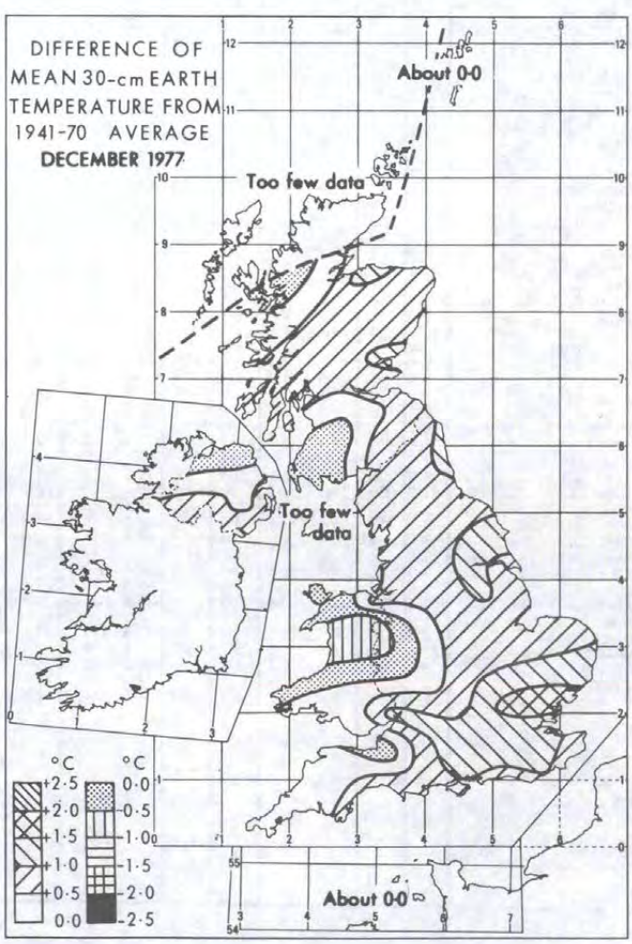

DIFFERENCE OF
MEAN 30-cm EARTH
TEMPERATURE FROM
1941-70 AVERAGE
DECEMBER 1977
About 0·0
Too few data
Too few data
About 0·0
°C
+2·5
+2·0
+1·5
+1·0
+0·5
0·0
°C
0·0
0·5
1·0
1·5
2·0
2·5

TABLE 2 SOLAR RADIATION AND ILLUMINATION

DECEMBER 1977

STATION	GLOBAL RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						DIFFUSE RADIATION ON A HORIZONTAL SURFACE (MILLIWATT-HOURS PER SQUARE CENTIMETRE)						GLOBAL ILLUMINATION ON A HORIZONTAL SURFACE (KILOLUX-HOURS)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	33	2	1	9.22	13.3	30	30	2	1	8.9.22	12.5	30						
ABERDEEN UNIVERSITY	55	20	4	9	26.6	31												
ESKDALEMUIR	77	15	7	17	34.1	31	39	2	7	17	22.0	31	87	30	10	17	41.1	31
ABERPORTH	101	20	15	16	49.0	29	63	4	15	16	36.6	29						
CARDINGTON	108	3	10	7	56.8	31	87	3	9	7	43.0	31						
SILSOE	105	3.4	9	7	56.0	31	62	3	7	7	38.0	31						
ROTHAMSTED																		
GARSTON																		
WALLINGFORD	87	19	5	16	44.6	31												
LONDON WEATHER CENTRE	110	4	8	7	46.0	31	63	3	8	7	36.5	31	122	4	12	7	58.5	31
KEW	104	4	9	7	47.7	31	62	3	9	7	38.0	31	114	4	12	7	55.0	31
EASTHAMPSTEAD	106	4	12	16	50.2	31	65	2.3	12	16	39.8	31	120	4	17	16	61.9	31
EAST MALLING	101	4	1	6	37.0	31												
RUSTINGTON	102	10	7	6	53.6	31												
EVERTON																		
WAREHAM	117	27	11	16	60.1	31												
JERSEY AIRPORT	138	19	8	7	73.1	31	84	4	8	7	52.3	31	166	19	15	7	91.6	31
ALDERGROVE	81	28	16	7	39.0	31	45	28	11	7	29.0	31	99	28	17	7	48.6	31

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL M(GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)										BRIGHT SUNSHINE	
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY		PRECIPITATION	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE	0.2 MM OR MORE / 1.0 MM OR MORE												EXPOSURE
0 SCOTLAND N																													
SHETLAND																													
BALTASOUND	9 9	24	7.5	3.0	5.3	+1.2	9.6	14	-2.5	8	5.3	-	140	103	27	8	27 / 23	7	0	1	0	0	0	2	-	-	6	0.35	113	S
FAIR ISLE	9 9	57	7.4	5.0	6.2	-	10.0	14	-1.1	7	6.3	7.0	88	-	12	19	24 / 20	6	0	1	8	0	1	2	5	-	16	0.66	-	-
LERWICK	21-9	82																											
PSYCHROMETER			6.8	4.0	5.4	-	9.4	14	-1.7	7	-	-	147	-	20	8	24 / 21	8	1	2	3	1	0	2	8	7	8	0.42	84	-
SCREEN			6.8	3.9	5.3	+1.3	9.5	14	-2.0	30	-	-	-	-	-	-	- / -	-	-	-	-	-	-	-	-	-	-	-	-	-
ORKNEY																													
KIRKWALL AIRPORT ...	21-9	26	7.0	3.8	5.4	+1.1	10.4	14	-0.5	30	-	-	56	45	12	7	21 / 15	7	1	1	6	1	0	3	9	7	6	0.75	97	-
WEYLAND	9 9	24	7.7	3.8	5.7	-	11.0	14	-0.1	18	5.3	-	52	-	9	7	22 / 16	3	0	1	1	0	0	2	13	-	7	-	-	-
WESTERN ISLES																													
BENBECULA	21-9	6	8.1	4.7	6.4	+0.7	10.4	14,22	-4.5	9	-	-	61	-	9	23	23 / 15	4	0	0	4	0	0	4	10	9	4	1.24	138	-
STORNOWAY	21-9	3	7.8	3.9	5.9	+1.0	10.8	14	-2.5	18	-	-	29	-	4	23	20 / 11	2	0	0	3	0	0	5	10	10	2	1.31	160	-
HIGHLAND																													
ACHANY	9 9	107	6.3	0.1	3.2	-	11.5	14	-5.0	18	3.9	-	43	-	7	29	22 / 14	4	3	1	1	0	1	15	26	-	3	1.02	-	-
ACHNASHELLACH	9 9	67	7.9	1.5	4.7	+1.0	13.0	3	-3.5	1	-	-	158	62	31	31	21 / 18	5	0	1	0	0	0	8	-	-	0	-	-	-
BALMACARA	9 9	4	9.2	4.0	6.6	-	11.4	19,20,21	-1.7	1	-	-	73	38	15	23	20 / 16	0	0	0	0	0	0	2	-	-	0	-	-	-
CAPE WRATH	21-9	112	7.8	4.4	6.1	+0.8	11.9	20,21	0.1	7	-	-	44	36	9	11	16 / 10	3	0	0	2	0	0	0	3	3	5	1.30	-	S
CASSLEY	9 9	99	7.0	1.1	4.1	-	13.0	14	-4.0	2,18	-	-	78	-	19	31	21 / 18	23	-	-	-	-	-	9	-	-	-	-	-	-
CORPACH	9 9	8	8.1	2.7	5.4	-	11.0	10	-3.2	1	-	-	111	-	18	23	21 / 17	0	0	0	0	0	2	6	13	-	0	-	-	-
CRAIGDARROCH	9 9	38	6.9	0.2	3.5	-	12.6	14	-6.5	1	-	-	45	-	10	23	19 / 13	4	0	1	0	0	1	13	22	-	0	-	-	-
DALCROSS	9 9	11	7.5	1.7	4.6	-	11.7	14	-5.0	2	-	-	21	-	9	23	15 / 4	-	0	-	-	-	2	8	14	-	0	-	-	-
DALWHINNIE	9 9	351	5.5	0.4	2.9	-	9.4	13	-8.8	1	-	-	75	-	16	22	23 / 13	3	1	0	0	0	2	11	17	-	1	0.60	-	S
DIABAIG	9 9	46	8.8	4.2	6.5	-	12.2	10	0.5	1,8	-	-	55	-	13	27	19 / 12	1	0	0	2	0	-	0	-	-	3	-	-	-
DOUNREAY	9 9	21	8.1	2.6	5.3	-	11.9	14	-3.0	8	-	-	48	49	12	29	18 / 13	0	0	0	0	0	0	4	10	-	3	1.09	-	-
FORT AUGUSTUS	9 9	21	7.8	2.2	5.0	+1.4	10.9	10	-4.7	1	-	-	52	-	9	23	17 / 11	1	0	0	0	0	2	7	-	-	0	0.79	125	-
FORTROSE	9 9	5	7.5	3.3	5.4	+0.9	10.5	14,22	-1.0	1	-	-	21	34	8	23	10 / 6	-	0	-	-	-	1	2	-	-	-	1.09	102	-
GLENMORE LODGE	9 9	341	6.5	0.2	3.3	-	11.7	14	-8.2	1	-	-	57	54	9	10	18 / 14	4	12	0	0	0	0	15	23	22	0	0.59	-	S
GRANTOWN-ON-SPEY ...	9 9	229	6.2	-0.1	3.1	-	11.2	14	-10.4	1	-	-	29	-	8	23	18 / 9	4	9	0	0	0	0	12	28	-	0	1.09	-	-
HEASTE	9 9	109	7.8	3.0	5.4	-	10.3	4	-1.4	1	-	-	106	-	16	23	20 / 18	4	0	1	2	0	0	4	15	-	1	-	-	-
INVERNESS	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- / -	-	-	-	-	-	-	-	-	-	-	-	-	-
INVERPOLLY	9 9	14	8.6	3.2	5.9	-	11.6	3	-2.4	1,18	5.6	-	61	-	9	27	18 / 16	1	0	0	1	0	0	3	18	-	2	-	-	S
ISLE OF RHUM	9 9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- / -	-	-	-	-	-	-	-	-	-	-	-	-	-
KEISS	9 9	30	7.4	2.4	4.9	-	10.0	14	-1.7	18	4.7	5.9	43	-	10	29	20 / 11	2	0	1	3	0	0	6	13	-	4	0.95	-	-
KNOCKANROCK	9 9	244	6.5	1.8	4.1	-	10.1	14	-3.7	8	-	-	79	30	11	31	20 / 17	6	4	0	2	0	0	6	24	-	1	-	-	-
LAGGANLIA	9 9	250	6.7	0.1	3.4	-	11.9	14	-11.6	1	-	-	37	-	9	23	15 / 10	5	5	0	1	0	1	14	25	-	2	-	-	-
LAIRG	9 9	107	6.6	-0.1	3.3	-	10.9	14	-5.2	1,18	3.0	4.9	42	-	7	10	22 / 14	4	3	3	0	0	3	17	22	-	0	-	-	-
LENTRAN	9 9	146	6.8	0.5	3.7	-	10.6	14	-5.0	2	-	-	28	-	13	23	14 / 7	2	1	0	0	0	0	12	25	-	2	-	-	-
NAIRN	9 9	6	7.7	1.3	4.5	+0.6	11.7	14	-6.3	1	-	-	17	31	8	23	13 / 4	3	0	0	0	0	1	9	15	-	3	1.32	114	-
ONICH	9 9	15	8.0	2.8	5.4	+0.9	10.5	10,22	-5.5	1	-	-	147	62	21	23	20 / 20	-	-	-	-	-	3	3	13	-	-	0.58	94	S
POOLEWE	9 9	6	8.7	3.5	6.1	-	11.9	10	-1.0	18	-	-	66	-	9	27	22 / 17	1	0	1	1	0	0	4	9	-	0	1.35	-	S
PRABOST	9 9	67	7.7	2.9	5.3	-	10.0	3,13,14	-0.8	2	-	-	67	31	11	31	22 / 18	0	0	0	3	0	0	5	17	-	3	1.30	-	-
RUBH RE	21-9	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- / -	-	-	-	-	-	-	-	-	-	-	-	-	-
STRATHCONON	9 9	107	7.1	0.4	3.7	-	11.5	14	-7.3	1	-	-	64	-	13	23	20 / 12	4	1	0	1	0	-	13	-	-	0	-	-	-
TARBATNESS	21-9	18	6.9	3.6	5.3	+1.1	11.0	14	-3.5	1	-	-	27	-	7	23	15 / 7	1	0	0	0	0	1	1	-	-	3	-	-	-
TOMATIN	9 9	311	6.3	0.7	3.5	-	10.2	14	-6.6	1	-	-	34	-	11	23	17 / 10	5	-	0	1	0	-	11	-	-	0	-	-	-
TORRISDALE	9 9	27	7.9	2.6	5.3	-	12.3	14	-3.5	18	-	-	32	-	5	29	17 / 12	2	0	0	2	0	0	5	13	-	7	0.83	-	-
WICK	21-9	36	7.0	3.3	5.1	+1.0	11.0	14	-1.9	18	-	-	42	48	11	29	20 / 9	4	0	0	4	0	0	6	15	9	3	0.83	80	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HEIGHT (HGHT) OF OBSERVATION MAX. MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
1 SCOTLAND E																																
GRAMPIAN																																
ABERDEEN																																
DYCE AIRPORT	21-9	58	7.1	3.0	5.1	+1.8	11.9	14	-2.4	1	-	-	65	87	19	10	18	12	4	1	0	5	0	1	5	13	12	0	1.00	68	-
MANNOFIELD	9 9	16	-	-	-	-	-	-	-	-	-	-	62	84	17	10	17	14	4	0	0	1	0	1	-	16	-	0	-	-	S
BALMORAL	9 9	283	6.2	0.1	3.1	+1.4	11.0	14	-8.5	1	-	-	64	71	13	10	15	11	6	9	0	0	0	-	12	19	-	0	-	-	-
BANCHORY	8 8	77	6.9	1.7	4.3	-	11.0	14	-3.0	1	-	-	78	-	18	10	16	11	-	-	-	-	-	-	8	-	-	-	-	-	-
BANFF	9 9	24	7.6	3.6	5.6	-	12.1	14	-1.2	1	-	-	42	58	8	10	16	11	1	0	2	0	0	1	2	-	-	3	0.38	-	-
BRAEMAR	9 9	339	5.9	-0.2	2.9	+1.2	10.2	14	-9.0	1	-	-	73	74	17	10	16	13	-	11	-	-	-	0	14	30	-	-	0.47	73	S
CLASHNOIR	9 9	338	5.6	0.6	3.1	-	10.4	14	-4.9	1	2.1	-	66	-	13	7	17	12	7	10	0	0	0	3	12	24	-	5	0.87	-	-
CRAIBSTONE	9 9	91	7.3	(2.6)	(4.9)	(+1.4)	11.9	14	(-2.1)	2	4.4	5.6	70	92	21	10	18	13	2	1	0	0	0	3	3	15	-	1	1.20	78	-
CULTERTY	9 9	3	7.4	2.5	4.9	-	10.6	14	-2.0	1	-	-	71	109	13	10	17	13	1	-	0	0	0	1	6	15	-	1	-	-	-
ELGIN	9 9	15	7.9	(2.2)	(5.1)	-	12.0	14	(-5.5)	1	-	-	30	46	7	23	15	9	-	-	-	-	-	1	4	11	-	-	0.79	-	-
FOREHILL	9 9	40	7.4	3.0	5.2	-	11.2	14	-0.6	30	-	-	59	-	12	8	17	12	4	-	0	0	0	0	2	7	-	0	-	-	-
FORRES	9 9	5	7.9	1.8	4.9	+1.2	12.4	14	-4.2	1	4.4	5.6	24	-	6	23	14	8	3	0	0	0	0	1	10	21	-	0	0.75	56	-
FRASERBURGH	21-9	19	7.6	4.1	5.9	-	11.8	14	0.4	30	-	-	47	68	8	8	14	12	4	0	0	0	0	0	0	6	2	4	0.37	-	-
FYVIE CASTLE	9 9	55	6.8	1.1	3.9	-	11.0	14	-4.0	1	-	-	68	82	17	10	22	11	4	-	0	0	0	-	9	19	-	2	-	-	S
GARTLY	9 9	146	6.8	1.8	4.3	-	12.0	13	-5.5	1	-	-	51	-	14	10	16	10	-	-	-	-	-	-	4	19	-	-	-	-	-
GLENLIVET	21-9	215	5.8	2.0	3.9	-	12.1	14	-6.8	1	-	-	35	38	6	23	17	11	4	3	1	0	0	0	11	12	13	0	0.91	-	S
INVERURIE	9 9	54	7.0	1.4	4.2	-	11.8	14	-3.9	1	-	-	69	-	21	10	18	13	2	1	0	0	0	1	10	20	-	0	1.09	-	S
KEITH	9 9	106	6.8	1.2	4.0	-	11.6	13	-6.7	1	-	-	39	-	9	10	17	12	4	1	0	1	0	-	7	19	-	0	0.83	-	S
KINLOSS	21-9	5	7.4	2.5	4.9	+0.9	12.4	14	-5.7	1	5.5	-	22	41	6	23	13	5	5	0	0	2	0	1	8	15	11	3	1.27	-	-
LOSSIEMOUTH	21-9	6	7.3	2.0	4.7	-	11.9	14	-5.8	1	-	-	25	44	8	23	15	8	3	0	0	2	0	0	8	16	15	3	-	-	-
TAYSIDE																																
ARBROATH	9 9	28	7.7	3.9	5.8	-	10.9	14	-0.4	1	-	-	40	67	9	10	13	9	0	0	0	1	0	1	1	15	-	0	1.41	93	-
ARDTALNAIG	9 9	130	6.9	2.4	4.7	-	10.5	22	-3.2	1	-	-	105	66	23	22	20	14	2	0	0	1	0	0	4	13	-	1	0.35	-	-
DRUMMOND CASTLE	9 9	113	6.9	1.7	4.3	-	10.8	23	-5.4	1	4.1	-	88	-	27	22	20	14	1	0	0	0	0	-	6	18	-	0	1.02	-	S
DUNDEE	9 9	45	8.0	3.0	5.5	+1.9	11.4	22	-2.7	1	4.2	-	42	61	9	10	12	10	1	1	0	1	1	6	3	11	-	0	1.46	99	-
FASKALLY	9 9	94	6.9	1.5	4.2	-	11.3	14	-7.8	1	3.8	5.7	57	57	10	22	15	12	1	0	0	0	0	0	5	20	-	0	-	-	-
KINDROGAN	9 9	259	5.7	0.2	2.9	-	9.9	14	-5.8	3	-	-	77	-	15	22	17	12	5	5	0	1	0	4	14	26	-	1	-	-	-
KINROSS	9 9	116	6.6	0.6	3.6	-	11.2	23	-6.6	1	3.5	-	53	-	9	22	14	11	-	0	-	-	-	-	12	14	-	-	1.14	-	-
MONTROSE	9 9	57	7.2	3.2	5.2	-	10.2	14	-2.7	1	-	-	45	69	11	10	13	9	5	1	1	0	0	0	1	13	-	1	-	-	-
MYLNEFIELD	9 9	30	7.3	2.8	5.1	-	11.1	22,23	-3.5	1	4.5	6.2	42	66	10	10	12	10	1	0	0	1	0	2	3	19	-	0	1.46	-	-
PERTH	9 9	23	7.5	2.0	4.7	+1.4	12.0	14	-6.4	3	-	-	47	59	13	10	11	10	-	-	0	-	-	2	5	17	-	-	-	-	-
STRATHALLAN	9 9	41	7.4	2.1	4.7	-	11.7	14	-4.8	1	-	-	55	-	13	10	13	11	2	0	0	0	0	1	7	20	-	1	-	-	-
USAN	21-9	30	7.3	3.8	5.5	-	10.5	14	0.0	7	-	-	43	-	9	10	11	9	2	0	0	1	0	0	0	7	4	0	1.57	-	-
WHITEHILLOCKS	9 9	258	6.8	0.8	3.8	-	11.4	14	-4.4	1	-	-	144	112	46	9	19	12	4	4	0	0	0	0	12	24	-	0	-	-	S
FIFE																																
BELLISTON	9 9	82	7.4	3.5	5.5	-	11.1	23	-0.7	3	5.1	-	43	65	10	11	10	8	2	0	0	2	0	3	2	14	-	1	-	-	-
CUPAR	9 9	36	7.2	2.3	4.7	-	11.3	23	-4.9	1	3.9	-	44	-	9	10	16	10	1	0	0	0	0	-	7	19	-	0	1.15	-	S
GLENROTHES	9 9	117	7.3	2.2	4.9	-	11.2	23	(-4.4)	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
LEUCHARS	21-9	10	7.4	3.4	5.4	+1.5	11.2	22	-3.3	3	-	-	43	75	8	10	11	11	4	0	0	2	0	1	5	10	9	0	1.58	100	-
PITREAVIE	21-9	40	7.2	3.6	5.4	-	11.9	23	-4.0	1	-	-	46	73	10	11	17	8	1	0	0	0	0	0	4	11	11	0	-	-	-
ST ANDREWS	9 9	18	7.5	3.5	5.5	-	11.1	23	-2.2	1	4.5	6.3	45	75	9	10	11	10	0	0	0	0	0	0	2	12	-	0	1.55	-	-
LOTHIAN																																
BLACKBURN SEWAGE WORKS	9 9	131	(7.0)	(1.8)	(4.4)	-	11.0	13	-6.5	3	-	-	53	-	(12)	11	16	11	-	-	-	-	-	-	6	-	-	-	-	-	-
BUSH HOUSE	9 9	184	7.0	2.2	4.6	-	11.6	23,24	-3.6	1	3.5	5.0	49	65	12	11	15	10	1	0	0	0	0	0	5	18	-	0	1.27	-	-
DUNBAR	9 9	23	7.9	3.6	5.7	+1.0	12.5	23	-1.5	1	-	-	36	75	7	23	13	8	0	0	0	0	0	0	3	6	-	0	1.54	94	-
EDINBURGH																																
EAST CRAIGS	9 9	61	7.6	2.0	4.8	-	12.7	23	-5.3	1	4.4	-	16	-	3*	11	13	5	0	0	0	0	0	2	7	17	-	0	1.90	-	S
ROYAL BOTANIC GARDEN	9 9	26	7.9	3.0	5.5	+1.4	12.4	23	-3.1	1	4.4	-	38	71	8	11	14	9	0	0	0	0	0	1	4	19	-	0	1.43	120	-
ROYAL OBSERVATORY BLACKFORD HILL	9 9	134	7.1	2.8	4.9	+0.6	12.1	23	-1.7	3	-	-	41	77	12	11	11	8	0	0	0	0	0	1	5	9	-	3	1.51	102	-
TURNHOUSE AIRPORT	21-9	35	7.5	3.0	5.3	+1.4	12.9	23	-5.2	1	-	-	40	72	8	11	13	9	2	0	0	0	0	2	7	16	13	0	1.61	126	-
HADDINGTON	9 9	49	7.7	2.5	5.1	-	12.3	23	-4.6	1	-	-	32	63	7	7	13	9	1	0	0	0	0	0	4	-	-	0	-	-	S
LIVINGSTON	9 9	125	6.8	2.4	4.6	-	11.7	23	-5.0	1	2.4	-	50	-	12	11	19	11	0	0	0	0	0	3	6	20	-	0	-	-	-
NUNRAW ABBEY	9 9	195	7.0	2.5	4.7	-	11.5	23	-2.5	1	-	-	55	-	13	7	14	12	1	0	0	1	0	0	3	-	-	3	-	-	-
PATHHEAD	9 9	131	7.1	2.7	4.9	-	12.4	23	-3.0	1	4.1	-	33	-	6	23	13	10	0	0	0	0	0	0	4	9	-	0	-	-	-
PENICUIK	9 9	189	6.7	2.1	4.4	+1.4	11.5	23	-4.3	1	3.5	-	51	62	9	10.23	17	11	1	0	0	0	0	0	6	18	-	0	1.34	131	S
BORDERS																																
BLYTH BRIDGE	9 9	253	6.5	1.9	4.2	-	11.5	23	-4.2	1	-	-	56	63	9	10	21	14	2	0	0	0	0	0	7	19	-	0	1.35	-	-
BLYTHE	9 9	262	6.2	1.3	3.7	-	10.9	14	-3.6	3	-	-	56	79	12.	22	16	10	-	1	-	-	1	1	8	24	-	-	1.14	-	-
BONCHESTER BRIDGE	9 9	146	6.8	1.7	4.3	-	11.7	23	-4.9	1	-	-	72	-	23	22	15	11	1	0	0	0	0	0	8	-	-	0	-	-	-
BOWHILL (SELKIRK)	9 9	168	6.7	1.2	3.9	-	10.9	23	-7.4	3	-	-	66	90	21	22	16	10	3	0	0	0	0	0	8	-	-	1	-	-	-
FLOORS CASTLE	9 9	59	7.1	2.4	4.7	-	12.2	23	-3.9	1	-	-	49	88	11	23	13	8	0	0	0	0	0	1	6	-	-	0	-	-	-
GALASHIELS	9 9	198	6.5	2.0	4.3	-	11.3	14	-4.4	3	-	-	57	-	17	22	16	10	2	0	0	0	0	1	5	16	-	0	1.18	-	-
GLENTRESS	9 9	165	7.0	1.8	4.4	-	12.0	23	-5.5	1	-	-	65	79	17	22	16	13	-	0	-	-	1	1	7	-	-	-	-	-	-
GREYCROOK	9 9	76	7.0	1.9	4.5	-	12.2	23	-6.1	3	4.5	-	54	-	13	22	11	9	0	0	0	0	0	-	5	22	-	0	-	-	-
KELSO	9 9	34	7.3	2.6	4.9	-	12.5	23	-3.8	1	-	-	43	-	10	23	12	9	1	0	0	0	0	1	6	20	-	0	-	-	S
LEITHOLM	9 9	64	7.3	2.2	4.7	-	12.5	23	-2.9	1	4.8	-	48	-	11	23	13	9	0	0	0	0	0	5	5	20	-	1	1.10	-	-
ST ABBS HEAD	9 9	75	7.9	4.4	6.1	+1.3	(12.4)	23	0.6	3	-	-	-	-	-	-	-	-	0	0	0	0	0	1	0	2	1	7	-	-	-
STANHOPE FARM	9 9	226	6.6	1.7	4.1	-	11.4	23	-5.6	1	-	-	114	101	31	22	20	15	3	2	0	0	0	0	8	19	-	1	-	-	-
WEST LINTON	9 9	244	6.3	1.6	3.9	+1.6	11.4	23	-4.7	1	3.6	5.1	59	63	13	11	20	15	0	0	0	0	0	0	9	15	-	0	-	-	-
WHITCHESTER	9 9	255	6.3	1.8	4.1	-	11.0	23	-2.4	3	-	-	60	82	12	10	14	9	3	1	0	4	0	-	5	-	-	2	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS — DECEMBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. MIN. TERMINAL HIGHT OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM	HIGHEST MAXIMUM DATE	LOWEST MINIMUM	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE: 50 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	PRECIPITATION: 0.2 MM OR MORE	PRECIPITATION: 1.0 MM OR MORE	WEATHER (NUMBER OF DAYS): SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	BRIGHT SUNSHINE: PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
6 SCOTLAND W																															
STRATHCLYDE																															
ACHAGLACHGACH	9 9	12	8.1	3.7	5.9	-	11.0	14	-2.0	1	-	-	123	66	31	9	23	18	1	0	0	0	0	1	4	15	-	0	-	-	-
AROS	9 9	37	8.5	3.8	6.1	-	10.8	14	-3.4	9	-	-	107	-	16	23	19	17	-	-	-	-	-	-	1	10	-	-	-	-	-
AUCHINCRUIVE	9 9	45	8.0	3.8	5.9	+1.4	12.1	23	-2.7	1	5.4	6.8	53	56	10	22	17	14	0	0	0	0	0	0	2	13	-	0	1.46	121	-
BARRHEAD	9 9	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENMORE(YOUNGER BOTANIC GARDEN) ...	9 9	12	7.5	3.3	5.4	-	10.8	13	-2.5	1	5.1	-	171	68	31	9	20	18	0	0	0	0	0	2	4	14	-	0	-	-	-
BRODICK CASTLE ...	9 9	15	8.7	3.8	6.3	-	11.6	13	-1.1	1	6.2	-	136	68	25	23	21	17	0	0	0	0	0	0	2	16	-	0	-	-	-
CAMPS RESERVOIR ...	9 9	295	5.9	1.5	3.7	-	10.7	23	-5.5	1	-	-	129	104	28	22	20	14	3	3	0	0	0	1	7	-	-	4	-	-	S
CARNWATH	9 9	208	6.4	1.2	3.8	-	10.9	23	-7.0	1	3.8	-	63	78	15	11	22	13	4	0	0	0	0	0	9	19	16	3	-	-	-
COLONSAY	9 9	35	8.2	4.7	6.5	-	10.5	13	-1.5	9	-	-	87	-	19	23	21	15	0	0	0	0	0	0	1	-	-	3	-	-	-
CRAWFORDJOHN	9 9	274	6.0	1.8	3.9	-	10.8	23	-4.0	1	3.9	-	-	-	-	-	2	2	0	0	0	0	2	8	15	10	2	1.34	-	-
CUMNOCK	9 9	99	7.6	2.7	5.1	-	12.4	23	-4.4	1	4.6	-	81	-	15	26	19	14	0	0	0	0	0	3	15	-	0	1.15	-	-
DUNSTAFFNAGE	9 9	3	8.4	3.8	6.1	-	10.6	14	-1.5	28	-	-	124	-	25	23	21	18	0	0	0	0	0	3	9	-	6	-	-	-
EAST KILBRIDE	9 9	178	6.7	2.6	4.7	-	11.6	23	-4.6	1	-	-	76	-	17	22	18	13	0	0	0	0	0	-	4	18	-	0	1.48	-	-
FINNART	9 9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GIRVAN	9 9	8	8.5	4.6	6.5	-	12.6	23	-1.3	1	-	-	53	46	13	22	17	9	0	0	0	0	0	0	1	7	-	3	1.15	-	-
GLASGOW																															
ABBOTSINCH AIRPORT ...	21-9	5	7.4	3.5	5.5	+1.3	12.6	23	-4.0	2	-	-	59	-	14	22	18	11	3	1	0	1	0	4	7	9	9	0	0.97	99	-
SPRINGBURN PARK ...	9 9	107	6.6	2.6	4.6	+1.1	11.4	23	-5.5	1	-	-	53	52	12	23	16	12	0	0	0	0	0	10	5	21	-	0	1.29	152	-
WEATHER CENTRE (X)	21-9	40	7.9	4.9	6.4	-	12.6	23	-2.6	1	-	-	46	-	9	23	16	10	1	-	0	0	0	0	1	-	-	0	1.26	-	-
GREENOCK	9 9	61	-	-	-	-	-	-	-	-	-	-	115	66	17	9	18	16	-	-	-	-	-	-	-	-	-	-	-	-	S
HELENSBURGH	9 9	89	6.9	2.6	4.7	+0.8	11.2	23	-3.7	1	-	-	111	70	13	9	21	17	-	0	-	-	-	0	4	-	-	-	1.19	-	-
HUNTERSTON	9 9	8	8.5	4.7	6.6	-	11.5	23	-0.5	1	-	-	55	-	9	26	18	13	0	0	0	0	0	1	-	-	-	0	-	-	-
KILDONAN	9 9	18	8.5	3.8	6.1	-	10.8	23	0.5	1	-	-	69	-	9	24	21	15	0	-	0	0	0	0	0	3	3	0	1.31	-	-
KNAPDALE FOREST ...	9 9	12	8.4	3.1	5.7	-	11.3	23	-3.5	1	-	-	105	-	18	22	21	16	0	0	0	0	0	2	3	14	-	0	-	-	-
LANARK	9 9	152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEADHILLS	9 9	388	5.5	1.4	3.5	-	10.0	23	-5.2	1	-	-	185	108	44	22	20	16	4	2	0	0	0	7	9	15	-	7	-	-	-
MACHRIHANISH	21-9	10	8.3	5.0	6.7	-	12.0	14,23	-2.5	1	-	-	84	64	19	9	20	13	2	0	1	1	0	0	2	4	2	7	0.89	-	-
MILLPORT	9 9	5	8.4	5.0	6.7	-	10.9	23	1.1	1	-	-	64	53	11	11	17	13	0	-	0	0	0	0	0	-	-	0	-	-	-
PAISLEY	9 9	32	7.5	3.7	5.6	+1.1	12.0	23	-3.3	1	4.7	7.3	65	54	17	22	17	12	0	0	0	0	0	3	3	9	-	0	0.90	103	-
PRESTWICK	21-9	16	7.8	3.8	5.8	-	12.4	23	-3.1	1	-	-	47	52	9	22	17	12	0	0	0	0	0	0	4	11	11	1	1.44	-	-
RHUVAAL	21-9	20	8.2	5.7	6.9	-	11.4	23	1.4	1	-	-	111	73	28	9	18	16	0	0	0	0	0	0	1	1	1	10	-	-	-
ROTHESAY	9 9	43	8.0	4.3	6.1	-	11.0	14,23	0.0	1	5.7	6.8	78	53	11	22	19	18	0	0	0	0	0	0	1	9	-	0	-	-	-
SLOY	21-9	12	7.4	4.0	5.7	-	11.2	22	-4.4	1	-	-	192	-	35	22	24	17	2	-	0	0	0	0	1	-	-	0	-	-	-
STRONACHULLIN	9 9	2	8.7	4.4	6.5	-	12.1	14	-0.4	9	-	-	112	-	26	22	19	15	0	0	1	0	0	0	1	5	-	0	-	-	-
TIREE	21-9	9	8.3	5.5	6.9	+0.7	10.4	14	-0.4	9	-	-	73	56	17	23	18	14	0	0	0	3	0	0	1	3	3	13	0.91	97	-
CENTRAL																															
ARROCHYMORE	9 9	30	7.6	3.0	5.3	-	11.5	23	-4.0	1	-	-	104	-	13	22	21	18	-	0	-	-	-	0	3	13	-	-	0.83	-	-
CALLANDER	9 9	107	6.8	1.7	4.3	-	10.3	12	-6.0	1	-	-	114	68	19	22	22	17	1	0	0	0	0	0	7	21	-	0	-	-	-
EARLS HILL	21-9	335	5.0	1.4	3.2	-	9.0	23	-3.6	3	-	-	104	-	28	22	22	16	3	-	0	0	0	5	9	15	14	2	1.38	-	-
FALKIRK	9 9	3	7.8	(2.8)	(5.3)	-	12.5	23	-7.2	1	-	-	52	-	14	22	17	12	0	0	0	0	0	2	4	-	-	0	1.39	-	-
GRANGEMOUTH	9 9	4	8.0	3.3	5.7	-	12.5	23	-5.0	1	-	-	48	-	9	11	19	12	0	0	0	0	0	1	4	8	-	0	-	-	-
PARKHEAD	9 9	107	7.6	2.0	4.8	-	11.5	23	-7.5	2.3	3.3	-	49	-	12	22	16	12	-	0	-	-	-	0	5	-	-	-	-	-	-
STIRLING(BATTERFLATS)	9 9	38	7.1	2.2	4.7	-	11.2	23	-7.4	1	4.4	6.0	61	-	17	22	18	12	0	0	0	0	0	2	7	21	-	0	1.23	-	-
DUMFRIES & GALLOWAY																															
BARGRENNAN	9 9	110	7.3	2.6	4.9	-	10.0	23	-3.7	2	-	-	(112)	(62)	28	22	21	16	1	0	0	1	0	7	6	16	-	1	-	-	-
CLATTERINGSHAWS ...	9 9	178	6.5	2.0	4.3	-	11.4	23	-5.0	1	-	-	195	86	63	22	21	19	1	0	1	0	0	0	7	-	-	6	0.81	-	-
DUMFRIES	9 9	49	-	2.9	-	-	-	-	-5.7	1	5.5	6.8	98	95	33	22	18	12	1	0	0	0	0	4	4	19	-	1	1.22	100	-
DUNDEUGH	9 9	119	6.9	1.5	4.2	-	11.8	23	-7.5	1	4.6	-	145	86	42	22	19	14	0	0	0	0	0	3	9	-	-	0	-	-	-
ESKDALEMUIR	21-9	242																													
PSYCHROMETER			5.8	1.9	3.9	-	10.0	23	-4.7	3	5.4	7.0	159	103	56	22	22	17	7	0	1	0	0	3	8	15	14	3	1.19	92	-
SCREEN			5.9	2.1	4.0	+1.5	10.2	23	-4.5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-
GIRDSTINGWOOD	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.08	-	-
GLENLEE	9 9	55	7.5	1.9	4.7	+1.0	12.4	23	-6.5	1	-	-	157	89	56	22	21	15	-	0	-	-	-	3	9	-	-	-	-	-	-
GLENLOCHAR BARRAGE ...	9 9	47	7.3	2.7	5.0	-	11.3	23	-4.2	1	-	-	117	91	41	22	18	14	0	0	0	0	0	2	6	-	-	2	-	-	-
PALNURE	9 9	15	7.9	3.3	5.6	-	11.9	23	-2.2	1	-	-	97	70	24	22	21	15	0	0	0	1	0	6	4	14	-	2	-	-	-
PENWHIRN	9 9	166	6.8	2.4	4.6	-	10.5	23	-4.0	1.2	-	-	91	58	(22)	9	21	19	2	0	0	8	0	2	4	9	-	2	0.72	-	-
THREAVE	9 9	73	7.1	2.4	4.7	-	11.6	23	-4.1	1	4.4	-	118	90	45	22	18	12	1	0	0	0	0	1	7	15	-	1	-	-	-
2 ENGLAND E & NE																															
NORTHUMBERLAND																															
BOULMER	21-9	23	7.6	4.0	5.8	-	13.0	23	-0.9	21	5.4	6.8	55	-	13	7	13	8	2	0	0	2	0	0	4	7	6	0	1.60	-	-
COCKLE PARK	9 9	99	7.4	3.0	5.2	-	13.1	23	-0.8	21	4.8	-	60	-	17	7	12	8	0	0	0	0	0	1	2	13	-	0	1.24	-	-
HAYDON BRIDGE	9 9	79	7.8	2.7	5.3	-	13.4	23	-1.4	1	4.4	5.8	54	84	12	7	14	11	0	0	0	0	0	2	7	-	-	0	-	-	-
KIELDER CASTLE	9 9	201	(6.2)	(1.2)	(3.7)	(+1.6)	11.7	23	-6.0	3	4.5	-	126	113	35	22	21	15	1	0	0	0	0	3	8	-	-	2	-	-	-
LETHAMHILL FARM ...	9 9	76	7.8	2.3	5.1	-	12.9	23	-2.1	1	-	-	55	-	14	7	16	10	0	0	0	0	0	0	5	11	-	0	-	-	-
REDESDALE	9 9	238	6.1	(1.6)	(3.9)	-	11.6	23	-3.6	1	4.4	-	88	-	20	23	18	13	-	0	0	0	0	0	8	15	-	-	1.05	-	-
SEAHOUSES	21-9	11	7.9	4.6	6.3	-	12.8	23	-0.6	21	-	-	52	102	11	7	14	9	0	0	0	0	0	1	1	8	4	3	1.09	-	-
STONEHAUGH	9 9	201	6.4	1.3	3.9	-	11.6	23	-4.6	3	-	-	105	-	25	23	17	16	1	1	0	0	0	4	9	16	12	0	-	-	-
TYNE & WEAR																															
CHOPWELLWOOD	9 9	136	7.4	2.8	5.1	+1.6	13.0	23	-1.0	31	-	-	67	117	20	7	16	12	0	0	0	0	0	1	2	15	-	0	-	-	-
NEWCASTLE WEATHER CENTRE (X)	21-9	75	7.8	4.3	6.1	-	14.4	23	-0.1	19	-	-	55	-	18	7	13	8	0	0	0	1	0	0	1	-	5	0	1.37	-	-
TYNEMOUTH	21-9	29	7.8	4.7	6.3	+1.4	14.4	23	0.8	31	-	-	48	92	15	7	13	6	0	0	0	0	0	0	0	3	-	6	1.13	91	-
WASHINGTON	9 9	27	8.0	3.4	5.7	-	14.7	23	-1.0	3.19	5.4	7.0	54	-	18	7	12	8	0	0	0	0	0	4	2	-	-	0	1.24	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL HIGHT OF OBSERVATION MAX.	TERMINAL HIGHT OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 50 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL (TERMINAL H 09 GMT) PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
2 ENGLAND E & NE -CONTINUED																																
DURHAM																																
DURHAM	9	9	102	7.4	2.8	5.1	+1.4	14.2	23	-1.5	19	5.0	6.7	64	121	18	7	13	9	-	0	-	-	-	5	4	13	-	-	1.04	69	-
LOW ETHERLEY	9	9	155	6.6	2.2	4.4	-	13.8	23	-2.2	3	4.8	6.9	69	-	19	22	15	9	3	0	0	0	0	4	9	20	14	2	-	-	-
WIDDYBANK FELL	9	9	513	(4.7)	0.6	(2.7)	-	9.8	23	-3.3	21	3.4	-	171	-	53	22	20	15	-	4	-	-	-	7	16	19	-	-	0.95	-	-
CLEVELAND																																
HARTBURN GRANGE ...	9	9	31	7.8	2.4	5.1	-	14.6	23	-2.2	3	-	-	40	90	10	7	13	8	0	0	0	0	0	4	7	(17)	-	2	1.15	-	-
HARTLEPOOL	9	9	9	8.0	4.0	6.0	+1.3	14.8	23	-0.2	19	-	-	41	84	14	7	14	7	1	0	0	0	0	1	1	-	-	1	1.15	-	-
NORTH YORKSHIRE																																
ASKHAM BRYAN	9	9	34	(7.8)	(2.7)	(5.3)	-	15.4	23	-1.1	3	-	-	55	115	13	7	17	11	-	-	-	-	-	-	4	(20)	-	-	(1.50)	(119)	S
CAWOOD	9	9	6	7.7	2.9	5.3	-	15.2	23	-0.5	3	5.3	6.5	54	119	13	7	14	12	0	0	0	0	0	2	3	15	-	1	1.36	-	-
HIGH MOWTHORPE	9	9	175	(6.6)	2.9	(4.7)	-	(14.5)	23	-0.5	3.21	5.1	-	76	108	13	9	17	13	1	0	0	0	0	4	4	(10)	-	0	1.15	-	-
LEEMING	21	9	32	7.4	3.6	5.5	-	15.3	23	-1.6	3	4.9	6.9	62	113	12	10	16	10	1	0	0	0	0	4	3	12	9	0	1.11	-	-
MALHAM TARN	9	9	395	(5.8)	(1.6)	(3.7)	(+1.6)	10.9	23	-2.8	4	4.5	-	140	96	31	22	(21)	(17)	0	0	0	0	0	8	10	(19)	-	0	-	-	-
PICKERING	9	9	44	7.4	2.7	5.1	-	14.2	23	-1.2	20	-	-	68	109	13	7	18	14	3	0	0	0	0	2	7	11	-	0	-	-	-
SCARBOROUGH	9	9	53	7.9	4.3	6.1	-	14.1	23	-0.5	20	5.4	7.1	78	132	18	27	16	13	3	0	0	0	0	1	9	4	6	1.26	106	S
SILPHO MOOR	9	9	203	6.8	2.6	4.7	-	12.9	23	-1.0	31	4.8	-	113	136	22	27	20	11	0	0	1	0	0	2	3	14	-	0	1.14	-	-
SNAITHOLME	9	9	290	6.1	2.1	4.1	-	12.9	12	-4.2	1	4.5	-	158	-	37	23	20	14	2	0	0	0	0	3	4	16	-	0	0.75	-	S
WHITBY	9	9	41	7.9	3.9	5.9	-	14.2	23	-0.4	19	-	-	68	-	18	27	12	11	2	0	0	0	0	0	3	11	-	2	1.24	-	-
WHITBY(COASTGUARD) ...	21	9	60	7.8	4.5	6.1	-	14.5	23	-0.2	19	-	-	43	-	13	7	13	10	0	0	0	0	0	1	1	5	6	6	-	-	-
YORK(HESLINGTON) ...	9	9	20	7.9	3.1	5.5	-	15.3	23	-1.0	3	5.4	-	46	96	11	7	17	11	0	0	0	0	0	3	4	17	-	0	1.52	-	-
HUMBERSIDE																																
BRIDLINGTON	9	9	48	7.7	3.2	5.5	-	13.9	23	-1.6	20	-	-	86	133	15	7	15	12	1	0	1	0	0	7	2	-	-	5	1.28	-	-
BRIGG	9	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CLEETHORPES	9	9	6	7.9	4.0	5.9	+1.4	13.0	23	-0.7	20	-	-	62	120	11	7	15	11	-	0	-	-	-	1	1	-	-	-	1.22	82	-
HULL	9	9	2	8.3	4.1	6.2	+1.7	14.6	23	0.1	20	5.5	7.6	64	119	15	7	19	13	0	0	0	0	0	1	0	6	-	0	1.25	110	-
LINCOLNSHIRE																																
BINBROOK	21	9	108	7.0	3.5	5.3	-	14.3	23	-0.9	3	-	-	60	98	13	7	16	10	2	0	0	0	0	3	3	13	7	1	1.49	-	-
CAISTOR	9	9	55	7.9	(3.2)	(5.5)	-	14.7	23	-2.4	31	-	-	58	-	15	7	17	12	-	-	-	-	-	-	3	-	-	-	-	-	-
CRANWELL	9	9	62	8.0	2.8	5.4	+1.5	14.9	23	-3.5	3	4.9	6.1	52	116	13	7	18	10	0	0	0	0	0	2	5	8	7	1	1.81	107	-
KIRTON	9	9	4	8.2	3.5	5.9	-	15.0	23	-0.8	31	6.3	8.2	46	-	18	7	14	9	0	0	0	0	0	2	2	11	-	2	1.64	-	-
LINCOLN	9	9	7	8.2	3.2	5.7	+2.0	15.2	23	-3.2	31	6.1	7.0	52	-	18	7	15	9	0	0	0	0	0	3	4	13	-	0	1.58	-	S
SKEGNESS	9	9	5	8.0	4.0	6.0	+1.6	14.0	23	0.5	31	-	-	60	118	18	7	16	11	0	0	0	0	0	0	0	2	-	0	1.58	104	-
SUTTON BRIDGE	9	9	4	(8.5)	(3.7)	(6.1)	-	15.0	23	0.0	3	-	-	47	98	17	7	13	8	1	-	0	0	0	-	0	7	-	1	-	-	-
WADDINGTON	21	9	68	7.8	3.7	5.7	+1.8	15.1	23	-2.0	20	-	-	52	107	16	7	18	11	0	0	0	0	0	4	4	10	6	1	1.81	120	-
3 EAST ANGLIA																																
NORFOLK																																
COLTISHALL	21	9	17	8.4	4.7	6.5	-	15.8	23	0.1	16	-	-	60	106	20	7	13	9	2	0	0	0	1	0	5	4	1	-	-	-	-
CROMER	9	9	54	8.5	4.3	6.4	+1.7	15.3	23	0.6	20	-	-	56	95	20	7	17	8	0	-	0	0	0	1	0	2	-	0	1.95	120	-
GORLESTON	9	9	4	8.9	4.8	6.9	+1.8	15.6	23	-0.5	4	6.9	8.7	54	96	16	7.27	11	7	0	0	0	0	1	1	1	-	-	2	-	-	-
MARHAM	21	9	23	8.2	4.1	6.1	-	15.1	23	0.4	2	-	-	51	-	19	7	14	9	2	0	0	0	0	1	0	8	7	1	1.76	-	-
MORLEY ST BOTOLPH ...	9	9	48	8.2	3.5	5.9	-	15.0	23	0.1	31	6.0	-	63	-	23	7	15	10	0	0	0	0	0	2	0	9	-	2	1.86	-	-
SANTON DOWNHAM	9	9	24	8.6	2.9	5.7	-	15.6	23	-3.1	31	6.1	7.3	61	107	23	7	17	11	-	0	-	-	-	1	4	20	-	-	1.85	-	-
SCOLE	9	9	27	8.5	4.1	6.3	-	15.2	23	-0.4	31	5.6	6.7	59	-	19	7	15	9	1	0	0	0	0	2	1	6	-	1	1.99	-	-
TERRINGTON ST CLEMENT	9	9	3	8.5	3.8	6.1	+1.9	15.5	23	0.2	2	6.0	-	46	95	16	7	16	9	0	0	0	0	0	1	0	8	-	0	1.73	122	-
CAMBRIDGESHIRE																																
BOXWORTH	9	9	53	8.4	3.6	6.0	-	15.3	23	-1.4	3	-	-	55	120	16	7	15	9	0	0	0	0	0	5	2	9	-	0	1.70	-	-
CAMBRIDGE																																
BOTANIC GARDEN ...	9	9	12	(9.1)	(3.7)	(6.4)	(+2.2)	15.5	23	-1.5	4	6.2	(7.9)	63	137	17	7	17	10	0	0	0	0	0	3	4	11	-	0	-	-	-
NATIONAL INSTITUTE OF AGRICULTURAL BOTANY	9	9	26	(9.0)	3.9	(6.5)	-	15.0	23	-	-	-	-	57	126	16	7	15	9	0	0	0	0	0	2	3	10	-	0	1.57	101	-
MARCH	9	9	2	8.8	3.7	6.3	-	15.6	23	-0.4	3	-	-	38	81	15	7	14	8	-	0	-	-	-	-	2	-	-	-	-	-	-
MEPAL	9	9	-2	(8.7)	(3.4)	(6.1)	-	(15.5)	23	-2.0	3	7.0	9.7	46	-	15	7	14	8	0	0	0	0	0	2	4	13	-	1	1.75	-	-
WITTERING	9	9	73	8.0	3.9	5.9	-	15.0	23	-1.3	3	-	-	64	-	21	7	13	7	1	0	0	0	0	3	5	8	5	1	1.53	-	-
WYTON	21	9	40	8.3	4.5	6.4	-	15.3	23	-1.2	3	-	-	45	101	14	7	14	8	0	0	0	0	0	2	2	10	7	1	-	-	-
SUFFOLK																																
ALDEBURGH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.51	-	-
BROOMS BARN	9	9	75	8.4	3.9	6.1	-	15.1	23	-0.1	1	5.5	6.8	54	104	20	7	16	9	1	0	0	0	0	3	1	8	-	1	2.03	-	-
EAST BERGHOLT	9	9	4	(8.7)	(3.9)	(6.3)	-	15.4	23	-1.2	31	-	-	67	125	19	7	13	10	0	0	0	0	0	1	1	(10)	-	0	-	-	-
HAUGHLEY	9	9	58	8.6	(3.6)	(6.1)	-	15.0	23	-0.4	31	6.4	-	60	-	21	7	17	10	0	0	0	0	0	2	1	-	-	0	-	-	-
HONINGTON	21	9	50	8.2	4.3	6.3	-	15.2	23	0.1	1.31	-	-	59	113	20	7	17	9	3	0	0	0	0	1	0	7	4	1	1.80	-	-
LOWESTOFT	9	9	25	8.3	(4.6)	(6.5)	(+1.8)	15.1	23	0.5	31	6.3	7.3	62	112	17	7	13	11	0	0	0	0	1	1	0	(1)	(1)	1	1.34	83	S
WATTISHAM	21	9	89	7.7	4.3	6.0	-	14.7	23	0.1	31	-	-	61	114	21	7	16	10	2	0	1	0	0	2	0	7	6	1	1.73	-	-
BEDFORDSHIRE																																
CARDINGTON	21	9	29	8.5	3.8	6.1	-	15.3	23	-2.6	3	6.5	7.8	57	128	12	7	19	10	2	0	0	0	0	1	4	11	7	2	1.84	-	-
LUTON	9	9	159	7.9	3.3	5.6	-	14.2	23	-1.6	3	5.8	7.8	59	97	13	7	17	12	-	0	-	-	-	4	6	-	-	-	1.54	-	-
SILSOE	9	9	61	8.5	3.3	5.9	+1.8	15.3	23	-2.2	3	5.5	7.6	53	115	12	7	18	9	1	0	0	0	0	5	3	11	8	-	1.79	107	-
WOBURN	9	9	89	8.4	3.1	5.7	+1.8	14.8	23	-3.3	3	6.2	8.3	59	110	16	7	17	12	0	0	0	0	0	2	5	14	-	0	1.28	84	-
HERTFORDSHIRE																																
ALDENHAM SCHOOL ...	9	9	91	8.5	3.4	5.9	-	14.5	10	-1.5	3	6.3	-	65	104	20	7	20	9	1	0	0	1	0	3	3	16	8	1	-	-	-
GARSTON	9	9	78	8.5	3.6	6.1	-	14.5	23	-2.2	3	-	-	67	111	20	7	18	10	1	0	0	0	0	1	1	11	8	2	1.14	-	-
HODDESDON	9	9	43	8.8	4.3	6.5	-	15.1	23	-1.5	3	7.0	-	55	95	21	7	19	8	0	0	0	0	0	-	2	13	-	2	1.42	-	-
ROTHAMSTED	9	9	128	8.1	3.0	5.5	+1.8	14.1	23	-2.8	3	6.5	8.0	60	94	18	7	19	8	2	0	0	0	0	3	4	11	-	1	1.37	90	S
ST ALBANS	9	9	83	8.5	3.8	6.1	+2.2	14.6	23	-1.5	3	6.7	-	56	97	18	7	16	8	0	0	0	0	0	7	2	13	-	0	1.41	-	S
STANSTEAD ABBOTTS ...	9	9	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESSEX																																
CLACTON-ON-SEA	9	9	16	8.2	5.0	6.6	+1.7	12.7	23	1.2	31	7.4	8.9	65	121	13	7	16	10	0	0	0	0	0	1	0	0	-	0	1.85	111	-
HALSTEAD	9	9	70	8.4	4.3	6.3	-	14.8	23	1.0	1.2.5	6.3	7.6	61	-	22	7	15	10	1	0	0	0	0	1	0	-	-	1	-	-	-
HARLOW	9	9	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LITTLE PARNDON	9	9	54	8.6	3.7	6.1	-	14.1	23	-2.2	3	-	-	55	103	21	7	15	10	0	0	0	0	0	0	2	-	-	1	-	-	-
MALDON	9	9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SHOEBURYNESS	21	9	2	8.4	5.5	6.9	+1.8	15.9	23	1.3	19	-	-	47	105	13	26	11	9	0	0	0	0	0	1	0	7	3	0	1.49	102	-
STANFORD-LE-HOPE ...	9	9	6	8.6	4.0	6.3	-	15.5	23	0.0	3.21	-	-	55	-	15	26	13	9	0	-	0	0	0	2	0	-	-	0	1.41	-	-
STANSTED	21	9	101	7.8	4.2	6.0	-	14.6	23	-0.9	3	-	-	57	101	21	7	18	11	2	0	0	0	0	3	2	8	4	0	-	-	-
WRITTLE	9	9	32	8.5	4.1	6.3	+2.0	15.2	23	-2.8	3	7.2	-	52	100	21	7	16	10	0	0	0	0	0	0	2	12	-	1	1.27	89	S

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL M(GHT) OF OBSERVATION MIN.	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	BRIGHT SUNSHINE EXPOSURE
4 MIDLAND COUNTIES																																
WEST YORKSHIRE																																
BRADFORD	9	9 134	7.2	3.2	5.2	+1.3	14.4	23	-1.9	3	5.1	6.9	74	86	13	10	17	13	1	0	0	0	0	2	2	11	-	3	0.92	108	S
BRAMHAM	9	9 54	(7.5)	2.7	(5.1)	-	15.3	23	-1.6	3	-	-	61	113	18	7	18	13	1	0	0	0	0	3	3	19	-	0	-	-	-
HUDDERSFIELD																																
OAKES	21-9	232	6.3	2.9	4.6	+0.9	13.6	23	-2.5	3	4.5	5.7	83	83	17	7	23	15	3	0	0	1	0	4	3	10	8	3	1.11	90	-
RAVENSKNOWLE	9	9 99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ILKLEY	9	9 83	8.0	(3.5)	(5.7)	(+1.9)	14.5	23	-2.5	3	-	-	85	96	13	10	16	16	2	0	0	0	0	2	3	-	-	0	0.51	44	-
TODMORDEN	9	9 160	6.6	3.0	4.8	-	13.5	23	-1.9	1	-	-	120	-	27	22	20	16	2	0	0	1	0	1	4	-	-	2	-	-	-
PONTEFRACT	9	9 78	7.7	3.3	5.5	+1.4	15.4	23	-1.0	3	-	-	51	(118)	16	7	(17)	12	1	0	0	0	0	2	2	-	-	0	-	-	-
WILSDEN	9	9 262	6.4	2.2	4.3	-	13.7	23	-2.5	3	-	-	89	-	17	23	18	15	1	1	0	0	0	3	6	14	12	1	-	-	-
SOUTH YORKSHIRE																																
FINNINGLEY	21-9	10	7.9	3.3	5.6	-	15.0	23	-2.8	3	-	-	48	112	14	7	14	11	1	0	0	0	0	2	5	14	11	1	1.31	-	-
SHEFFIELD																																
DORE	9	9 206	7.0	3.0	5.0	-	13.8	23	-2.2	3	-	-	89	-	19	7	20	17	3	0	1	0	0	3	2	14	-	4	-	-	-
WESTON PARK	9	9 131	7.5	3.6	5.5	+0.9	14.7	23	-3.8	3	5.5	7.3	83	111	22	7	20	15	1	0	1	0	0	-	1	-	-	0	0.99	115	S
DERBYSHIRE																																
ASHOVER	9	9 178	7.2	3.1	5.1	-	14.1	23	-3.6	3	-	-	86	-	21	7	20	14	2	0	0	0	0	4	3	13	-	3	(0.46)	-	-
BUXTON	9	9 307	6.2	2.4	4.3	+1.4	12.3	23	-2.7	4	4.3	4.5	116	83	12	7	24	18	3	0	0	0	0	5	5	13	-	0	-	-	S
DERBY	9	9 48	8.3	4.1	6.2	-	15.5	23	-0.7	3	-	-	65	111	15	7	18	12	0	0	0	0	0	2	2	9	-	0	0.98	-	S
MORLEY	9	9 107	8.3	2.1	5.2	-	14.5	23	-2.6	20	-	-	72	114	17	7	17	13	1	0	0	0	0	7	5	15	-	0	(1.25)	-	S
WINGERWORTH	9	9 126	7.4	2.7	5.1	-	14.7	23	-6.2	3	4.8	-	80	-	19	7	21	14	1	0	0	0	0	4	3	16	-	1	1.30	-	-
NOTTINGHAMSHIRE																																
MANSFIELD	9	9 114	7.5	3.4	5.5	+1.5	14.5	23	-1.0	3	-	-	73	-	18	7	20	14	0	0	0	0	0	3	1	11	-	0	-	-	-
NEWTHORPE	9	9 58	(8.1)	(3.3)	(5.7)	-	15.1	23	-2.4	3	-	-	76	-	18	7	14	12	-	-	-	-	-	-	2	-	-	-	-	-	-
NOTTINGHAM	9	9 59	(8.3)	(4.2)	(6.3)	(+1.8)	15.0	23	(-0.5)	3	(5.2)	(6.5)	54	113	13	7	15	12	0	0	1	0	0	5	(1)	-	-	2	(1.27)	(112)	-
SUTTON BONINGTON	9	9 48	8.5	2.7	5.6	+1.5	15.9	23	-3.5	3	6.0	7.2	59	114	15	7	17	11	0	0	0	0	0	2	6	15	8	1	1.54	126	-
WARSOP	9	9 46	7.9	2.9	5.4	-	14.8	23	-4.2	3	-	-	63	129	18	7	20	11	0	0	0	0	0	4	4	18	-	0	1.47	-	-
WATNALL	21-9	117	7.6	3.7	5.7	+1.7	14.5	23	-1.9	3	-	-	72	117	18	7	16	13	1	0	0	0	0	3	5	12	7	0	1.04	85	-
STAFFORDSHIRE																																
KEELE	9	9 179	7.2	2.9	5.1	-	14.4	23	-1.6	3	4.9	6.8	68	90	9	8	23	17	3	1	1	0	0	1	3	15	8	0	1.01	-	-
OAKEN	9	9 125	7.6	3.0	5.3	+1.6	15.6	23	-2.1	1	5.7	-	63	102	11	7	22	14	0	0	0	0	0	6	5	8	-	0	-	-	S
PENKRIDGE	9	9 101	7.8	2.4	5.1	-	14.7	23	-3.2	1	-	-	62	101	12	7	20	13	0	0	0	0	0	1	7	8	-	3	-	-	-
STONE	9	9 107	7.5	3.1	5.3	-	15.0	23	-1.4	3	-	-	68	101	11	7	19	16	3	0	0	0	0	2	4	15	-	0	1.18	-	-
LEICESTERSHIRE																																
CALDECOTT	9	9 52	8.1	3.1	5.6	-	14.9	23	-3.0	3	-	-	63	131	15	7	15	9	0	0	0	0	0	5	4	13	-	1	1.45	-	-
NEWTOWN LINFORD	9	9 119	7.7	3.0	5.3	-	14.4	23	-1.7	3	-	-	60	106	18	7	17	9	0	0	0	0	0	3	3	10	-	0	1.35	-	-
SALOP																																
HAMPTON LOADE	9	9 64	(8.3)	(3.7)	(6.0)	-	15.4	23	-1.5	3.4	-	-	77	-	14	7	17	12	-	-	-	-	-	-	4	-	-	-	1.43	-	-
NEWPORT	9	9 64	8.1	3.1	5.6	+1.7	14.8	23	-2.5	1	-	-	64	112	9	9	22	15	3	0	0	0	1	4	4	15	-	1	1.46	117	S
OSWESTRY	9	9 174	7.3	3.4	5.3	+1.0	13.7	23	-2.0	4	-	-	87	101	14	11	22	16	1	0	0	1	0	4	4	9	-	3	1.09	69	S
PRESTON MONTFORD	9	9 67	8.3	3.5	5.9	-	15.4	23	-2.8	1	5.5	6.7	64	-	12	11	19	15	0	0	0	0	0	3	4	(16)	-	1	1.42	-	S
SHAWBURY	21-9	72	8.0	3.7	5.9	+1.7	15.4	23	-2.8	3	-	-	59	99	8	11	19	16	2	0	0	2	0	3	5	13	10	1	1.24	89	-
SHREWSBURY	9	9 56	8.2	3.9	6.1	+1.6	15.4	23	-2.0	1	6.0	7.4	57	103	7	17	22	16	2	0	0	0	0	2	3	15	-	1	1.26	84	-
WEST MIDLANDS																																
BIRMINGHAM																																
EDGBASTON	21-9	163	7.3	4.2	5.7	+1.2	14.5	23	-1.2	3	6.6	-	77	108	13	7	21	16	3	0	0	0	0	6	1	8	7	0	1.21	90	-
ELMDON AIRPORT	21-9	96	7.8	4.0	5.9	+1.8	14.7	23	-1.6	3	-	-	74	-	17	7	19	14	1	0	0	0	1	1	3	9	8	1	1.54	114	-
KING EDWARD SCHOOL	9	9 137	8.0	3.5	5.7	-	14.5	23	-1.4	3	-	-	77	115	14	7	18	13	-	0	-	-	-	-	6	4	-	-	-	-	-
COVENTRY AIRPORT	9	9 81	(8.2)	2.7	(5.5)	-	15.0	23	-3.2	3.4	6.5	-	72	-	17	7	20	12	0	0	0	0	0	3	5	-	-	0	1.66	-	-
WARWICKSHIRE																																
LONG LAWFORD	9	9 87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LUDDINGTON	9	9 56	8.4	3.4	5.9	-	15.3	23	-1.6	1	-	-	67	-	20	7	17	13	0	0	0	0	0	1	4	10	-	0	1.70	-	-
MORETON MORRELL	9	9 85	8.3	3.5	5.9	-	15.4	23	-2.0	3	-	-	66	122	19	7	20	12	0	0	0	0	0	2	4	10	-	1	1.42	-	-
RUGBY	9	9 117	7.9	3.1	5.5	+1.6	14.2	23	-2.0	3	5.1	6.8	59	104	14	7	19	12	1	0	0	0	0	3	6	7	6	1	-	-	-
SHIPSTON-ON-STOUR	9	9 111	8.5	3.3	5.9	+1.8	15.1	23	-2.0	3	6.4	-	80	129	24	7	21	13	0	0	0	0	0	3	3	13	-	2	1.47	90	S
STRATFORD-UPON-AVON	9	9 49	8.6	3.2	5.9	+1.9	15.3	23	-1.6	3	6.8	-	66	125	20	7	18	13	-	0	-	-	-	1	4	10	-	-	1.39	96	-
WELLESBOURNE	9	9 47	8.6	3.6	6.1	-	15.6	23	-1.2	1.3	(5.8)	(6.9)	64	124	21	7	17	13	-	0	-	-	-	1	4	(5)	(9)	-	(1.59)	-	-
NORTHAMPTONSHIRE																																
BUGBROOKE MILLS	9	9 69	(8.5)	3.9	(6.2)	-	(14.5)	26	-0.5	5.6	6.0	-	68	129	18	8	11	9	0	0	0	0	0	3	2	-	-	0	1.28	-	-
MOULTON PARK	9	9 122	7.9	3.1	5.5	-	14.5	23	-1.0	20	5.5	7.0	71	-	17	7	18	12	0	0	0	0	0	4	3	12	-	0	1.59	-	S
RAUNDS	9	9 59	8.2	3.3	5.7	+1.9	14.7	23	-3.3	3	5.7	8.0	71	139	21	7	20	11	0	0	0	0	0	4	3	10	-	1	1.43	104	S
HEREFORD & WORCESTER																																
ASTWOOD BANK	9	9 139	7.7	3.3	5.5	-	14.0	23	-2.0	3	-	-	70	-	19	7	21	13	0	0	0	0	1	5	3	9	-	2	-	-	-
HEREFORD	9	9 52	8.9	3.4	6.1	-	15.4	23	-1.4	1	5.9	8.0	71	114	14	7	16	13	0	0	0	0	0	2	5	9	-	0	1.12	-	-
LYONSHALL	9	9 155	7.7	3.5	5.6	+1.5	14.0	23	-2.5	4	-	-	95	114	21	11	17	14	-	0	-	-	-	-	4	16	-	-	-	-	-
MALVERN	9	9 62	8.9	4.2	6.5	-	15.7	23	-1.5	3	5.6	7.7	79	118	20	7	19	12	0	0	0	0	0	8	3	12	-	0	1.44	90	S
PERSHORE																																
COLLEGE OF HORT.	9	9 40	8.7	3.9	6.3	-	14.8	23	-0.9	3	-	-	64	113	24	7	16	10	0	0	0	0	0	1	3	9	-	1	1.53	-	-
ROYAL RADAR EST.	21-9	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PRESTON WYNNE	9	9 84	8.6	3.4	6.0	-	14.6	23	-2.0	3	-	-	65	104	11	7	17	12	0	0	0	0	0	7	2	14	-	0	1.20	-	-
GLOUCESTERSHIRE																																
CHELTENHAM	9	9 65	9.1	3.9	6.5	+1.8	15.4	24	-1.6	3	-	-	85	135	19	7	21	15	0	0	0	0	0	0	7	-	-	0	1.25	87	-
INNSWORTH	21-9	21	9.0	5.1	7.1	-	16.0	23	0.0	3	-	-	55	-	15	7	17	11	0	0	0	0	0	2	0	7	7	0	1.39	-	-
OXFORDSHIRE																																
BENSON	21-9	67	8.5	4.4	6.5	-	14.7	23	-0.1	19	-	-	70	-	17	9	16	12	0	0	0	0	0	1	1	10	-	1	1.53	-	-
BRIZE NORTON	21-9	81	8.2	4.1	6.1	-	14.7	23	-2.5	3	-	-	62	-	16	7	20	12	0	0	0	0	0	2	5	8	8	2	1.27	-	-
LETCOMBE REGIS	9	9 107	(8.5)	(3.2)	(5.9)	-	14.0	23	-1.5	3,4,5	6.4	-	78	112	17	7	19	14	0	0	1	0	0	5	5	(14)	-	2	-	-	-
OXFORD	9	9 63	8.9	3.9	6.4	+1.8	14.9	23	-0.4	3	5.8	7.2	68	113	16	7	15	11	2	0	0	0	0	1	2	14	-	0	1.46	85	-
SHIRBURN(MODEL FARM)	9	9 108	8.5	3.6	6.1	-	14.4	23	-0.7	1	6.3	-	68	-	16	9	19	11	0	0	0	0	0	1	2	16	-	1	-	-	-
WALLINGFORD	9	9 48	9.0	3.6	6.3	-	14.8	23	-1.5	1	6.6	8.2	68	128	17	9	16	10	0	0	0	0	0	0	2	12	-	0	1.39	-	S
BUCKINGHAMSHIRE																																
AYLESBURY	9	9 96	8.4	3.7	6.1	+2.0	14.8	23	-0.4	1.3	-	-	65	109	18	9	13	11	1	0	0	0	0	5	4	10	-	2	1.31	98	S
GRENDON UNDERWOOD	9	9 67	8.5	2.6	5.5	-	14.7	23	-2.2	3	6.4	8.1	68	121	18	7	17	12	0	0	0	6	0	1	5	17	-	0	1.42	-	-
MEDMENHAM	9	9 30	9.0	3.3	6.1	-	14.9	23	-0.8	1	-	-	72	109	17	7	23	12	-	-	-	-	-	-	2	19	-	-	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIP-ITATION 0.2 MM OR MORE	PRECIP-ITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C CONCRETE MIN. BELOW 0 DEG C	GALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
5 ENGLAND SE & CENTRAL S.																															
GREATER LONDON																															
BROMLEY	9 9	65	8.8	4.2	6.5	+1.8	15.0	23	0.0	3.5.22	-	-	66	111	18	7	17	7	-	0	-	-	-	-	0	-	-	-	-	-	-
ENFIELD	9 9	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GREENWICH	9 9	7	9.2	4.6	6.9	-	15.6	23	-2.2	3	-	-	57	110	21	7	13	7	0	0	0	0	0	1	2	-	-	0	1.10	-	-
HAMPSTEAD	9 9	137	8.0	3.6	5.8	+1.5	14.1	23	-1.3	3	-	-	61	102	22	7	13	10	-	0	-	-	-	3	12	-	-	-	1.20	90	S
HAMPTON	9 9	12	9.0	4.2	6.6	+1.7	15.0	23	-0.5	3	-	-	61	113	22	7	19	9	0	0	0	0	0	2	1	-	-	0	1.28	90	-
HARROW WEALD	9 9	98	8.5	3.3	5.9	-	15.0	23	-1.6	3	7.5	8.9	83	-	20	19	19	11	-	-	-	-	-	-	1	4	-	-	-	-	-
HEATHROW AIRPORT	21-9	25	8.8	4.9	6.9	+2.1	15.2	23	-0.7	3	-	-	56	103	20	7	18	9	1	0	0	0	0	2	2	8	6	0	1.20	-	-
KENSINGTON PALACE	9 9	25	8.9	4.7	6.8	+1.5	14.9	23	0.3	3	7.2	8.6	61	111	21	7	16	9	0	0	0	0	0	2	0	8	-	0	-	-	-
KEW	21-9	6																													
PSYCHROMETER			8.8	4.9	6.9	-	15.7	23	-2.4	3	7.1	8.6	59	114	20	7	17	9	1	0	0	0	0	3	2	14	6	0	1.27	92	-
NORTH WALL SCREEN			8.8	5.6	7.2	+1.9	15.4	23	-0.2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LONDON																															
WEATHER CENTRE (X)	21-9	77	9.2	6.1	7.7	-	15.5	23	1.3	3	-	-	50	-	20	7	14	7	1	0	0	0	0	1	0	-	-	1	1.15	108	-
ST JAMES PARK	9 9	4	9.2	5.0	7.1	+1.6	15.7	23	0.5	3	-	-	61	117	22	7	17	9	-	0	-	-	-	-	0	9	-	-	-	-	-
SOUTHGATE	9 9	67	9.0	4.1	6.5	+1.8	14.6	23	-1.9	3	7.0	-	66	114	22	7	14	11	1	0	0	0	0	2	2	9)	-	0	(1.40)	-	-
WADDON	9 9	59	-	4.4	-	-	-	-	-0.5	3	-	-	78	120	25	7	19	8	-	-	-	-	-	-	1	-	-	-	-	-	-
WEALDSTONE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.12	-	-
WILTSHIRE																															
BOSCOMBE DOWN	21-9	126	8.3	4.0	6.1	+1.6	13.7	23	-1.7	3	-	-	99	132	24	9	19	14	2	0	0	0	0	5	4	8	8	0	1.33	81	-
LACOCK	9 9	49	8.9	3.3	6.1	-	14.3	23	-3.6	1	-	-	78	111	22	7	16	12	-	0	-	-	-	2	7	12	-	-	-	-	-
LARKHILL	9 9	132	8.8	3.3	6.1	+1.9	14.0	23	-1.8	3	-	-	106	136	23	9	19	14	0	0	0	0	0	5	6	9	6	0	-	-	-
LYNEHAM	21-9	145	8.0	4.1	6.1	+1.8	13.6	23	-1.5	3	-	-	78	111	17	7	20	15	0	0	0	0	0	3	3	11	9	1	1.40	-	-
PORTON	9 9	110	8.7	2.9	5.8	+1.7	13.8	23	-1.9	3	6.2	-	101	127	23	9	20	14	-	0	-	-	-	5	6	13	10	1	1.39	79	-
TROWBRIDGE	9 9	37	8.8	3.4	6.1	-	14.1	23	-4.0	1	6.4	-	91	-	24	7	17	15	0	0	1	0	1	1	3	14	-	0	-	-	-
UPAVON	21-9	179	7.8	3.7	5.7	-	13.1	23	-0.9	21	-	-	97	125	20	7	19	15	0	0	0	0	0	8	5	12	6	1	-	-	-
BERKSHIRE																															
EASTHAMPSTEAD	9 9	77	8.6	3.2	5.9	-	14.2	23	-3.2	1	6.7	7.7	75	-	21	7	21	11	1	0	0	0	0	2	5	9	8	0	1.14	-	-
HURLEY	9 9	43	8.7	3.5	6.1	-	14.6	23	-1.1	3	6.1	-	74	114	17	7	21	13	0	0	0	0	0	7	1	12	-	1	0.85	-	S
LAMBOURN(WARREN FARM)	9 9	192	7.7	2.9	5.3	-	13.3	23	-1.4	3	6.1	-	71	-	13	7	22	16	-	0	-	-	-	3	5	-	-	-	-	-	-
READING	9 9	66	8.7	3.7	6.2	-	14.2	23	-1.0	1.3	7.1	8.3	70	-	17	7	21	11	0	0	0	0	0	4	3	16	8	0	1.21	-	-
SHINFIELD(N.I.R.D.)	9 9	62	8.7	3.5	6.1	-	14.2	23	-1.9	1	-	-	67	-	16	9	19	10	0	0	0	0	0	7	3	14	-	0	1.09	-	S
SURREY																															
MERRIST WOOD	9 9	46	8.9	3.6	6.3	-	15.1	23	-1.9	3	6.3	-	88	-	25	7	23	12	1	0	0	0	0	2	4	8	-	0	1.24	-	-
MICKLEHAM	9 9	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WISLEY	9 9	35	9.1	3.8	6.5	+2.0	15.9	23	-2.3	3	6.4	7.8	77	125	23	7	22	11	0	0	0	0	0	5	3	11	-	1	1.30	103	-
KENT																															
DOVER R.M.S.	9 9	123	8.1	4.1	6.1	-	12.7	23	-0.2	21	-	-	90	109	22	7	17	11	0	0	0	0	0	2	1	-	-	0	-	-	-
DUNGENESS	9 9	3	9.3	5.7	7.5	-	13.0	23	0.8	29	-	-	75	111	20	7	14	11	0	0	0	0	0	1	0	-	-	2	-	-	-
EAST MALLING	9 9	32	8.8	4.1	6.5	+2.0	16.0	23	-2.5	21	6.4	7.6	65	100	20	7	14	8	0	0	0	0	0	3	3	12	8	1	1.07	75	-
ELMSTONE	9 9	5	9.4	3.8	6.6	-	15.0	23	-2.8	3	-	-	63	99	15	7	13	10	0	0	0	0	0	2	2	12	-	0	-	-	-
FAVERSHAM	9 9	48	8.7	3.9	6.3	-	15.9	23	-1.4	3	6.3	7.8	71	109	20	7	13	10	0	0	0	0	0	6	4	10	-	0	1.38	-	-
FOLKESTONE	9 9	31	8.8	4.6	6.7	-	13.1	23	0.4	31	-	7.9	66	94	15	7	13	11	0	0	0	0	0	1	0	10	-	6	1.74	101	-
GILLINGHAM	9 9	4	8.9	3.9	6.4	-	16.0	23	-4.1	3	-	-	60	107	15	7	16	8	-	-	-	-	-	-	6	-	-	-	-	-	-
GOUDHURST	9 9	85	8.1	3.7	5.9	+1.8	14.1	23	-3.5	21	-	-	101	116	27	7	16	13	0	0	0	0	0	3	2	9	-	2	-	-	-
HADLOW COLLEGE	9 9	30	9.0	(3.8)	(6.4)	-	15.8	23	-3.5	21	6.8	8.5	61	-	20	7	14	13	0	0	0	0	0	2	2	9	-	0	1.01	-	-
HERNE BAY	9 9	31	8.8	4.6	6.7	-	16.0	23	0.0	5.21	7.0	-	64	-	14	7	14	10	0	0	0	0	0	4	0	6	-	0	1.78	119	-
MANSTON	21-9	44	8.4	5.2	6.8	-	14.5	23	1.2	3	-	-	60	107	14	7	13	10	0	0	0	0	0	1	0	5	3	2	1.87	-	-
MARGATE	9 9	16	9.0	5.3	7.1	+1.4	14.7	23	1.7	3	6.8	8.4	64	120	15	7	12	10	0	0	0	0	0	0	0	4	-	2	1.37	91	-
ULCOMBE	21-9	47	8.4	4.2	6.3	-	15.7	23	-1.6	3	-	-	71	-	21	7	14	10	0	0	0	0	0	3	4	15	6	0	1.32	-	-
WYE	9 9	56	8.8	3.8	6.3	+1.8	14.8	23	-1.9	21	7.2	8.3	80	108	23	7	14	11	0	0	0	0	0	7	3	16	-	1	1.34	85	-
HAMPSHIRE																															
ALICE HOLT LODGE	9 9	115	8.2	3.4	5.8	+1.7	13.8	23	-2.2	3	-	-	103	128	26	7	22	15	1	0	0	0	0	5	4	13	-	1	0.89	-	-
EVERTON	9 9	16	9.5	5.0	7.3	-	13.3	23	0.3	29	-	-	117	143	27	7	17	13	0	0	0	0	0	5	0	8	-	0	1.51	-	-
HAYLING ISLAND	9 9	4	9.4	5.2	7.3	-	14.4	23	0.9	30	-	-	113	155	31	7	20	14	0	0	0	0	0	1	0	-	-	0	1.71	-	-
LECKFORD	9 9	117	8.5	3.3	5.9	+1.6	13.6	23	-1.5	3	6.6	-	114	139	25	9	21	14	0	0	0	0	0	4	5	-	-	0	1.11	65	-
LONG SUTTON	9 9	145	8.3	3.4	5.9	-	13.7	23	-2.0	1	6.0	7.6	112	138	29	7	23	14	1	0	0	0	0	4	4	11	10	1	1.25	82	-
MARTYR WORTHY	9 9	84	9.0	3.4	6.2	-	13.6	23	-2.5	3	-	-	113	136	25	7	22	17	0	0	0	0	0	4	4	12	-	0	1.20	-	-
SOUTHAMPTON																															
MAYFLOWER PARK	9 9	3	10.0	5.0	7.5	+2.0	14.4	23	0.9	29	8.5	10.8	113	-	28	7	18	15	0	0	0	0	0	3	0	-	-	0	1.61	93	S
WEATHER CENTRE (X)	21-9	19	9.9	6.1	8.0	-	14.6	23	1.1	29	-	-	115	-	29	7	19	15	0	-	0	0	0	3	0	-	2	0	-	-	-
SOUTHSEA	9 9	2	9.7	5.9	7.8	+1.7	14.7	23	1.5	29	8.0	9.4	108	146	28	7	21	13	0	0	0	0	0	2	0	2	-	0	1.54	84	-
SPARSHOLT	9 9	113	8.8	3.5	6.1	-	13.6	23	-1.0	3	-	-	109	-	26	7	20	15	0	0	0	0	0	6	2	10	-	1	(1.28)	-	S
ISLE OF WIGHT																															
RYDE	9 9	4	9.8	5.9	7.9	+1.6	14.9	23	2.1	29	-	-	123	139	29	7	21	13	0	0	0	0	0	2	0	-	-	1	1.46	82	-
ST CATHERINES POINT	9 9	16	9.7	6.4	8.1	+1.6	13.1	23	1.1	1	-	-	104	120	26	7	16	12	1	0	0	0	0	0	0	-	-	4	-	-	-
SANDOWN	9 9	4	9.9	6.0	7.9	+1.6	14.2	23	1.1	17	-	-	107	120	26	7	13	13	0	-	0	0	0	0	0	-	-	0	1.62	81	-
SHANKLIN	9 9	55	9.5	5.7	7.6	+1.7	13.4	23	0.1	29	-	-	126	121	32	7	18	13	0	0	0	0	0	3	0	-	-	0	1.83	91	S
VENTNOR	9 9	135	9.5	5.8	7.7	+1.4	12.7	23	0.8	29	7.7	9.1	122	128	27	9	18	13	0	0	0	0	0	3	0	7	-	1	2.03	99	-
WEST SUSSEX																															
BOGNOR REGIS	9 9	7	9.0	5.3	7.1	+1.4	12.4	23	1.0	29	-	9.0	108	138	32	7	20	14	0	0	0	0	0	1	0	5	-	0	1.39	70	-
GATWICK AIRPORT	21-9	59	8.5	4.2	6.3	-	14.9	23	-3.1	3	-	-	103	132	33	7	20	14	1	0	0	0	0	3	6	14	7	1	1.04	-	-
HURSTPIERPOINT	9 9	30	8.9	3.3	6.1	-	14.5	23	-4.0	3	-	-	120	-	32	7	21	14	-	-	-	-	-	-	5	-	-	-	-	-	-
LITTLEHAMPTON	9 9	5	9.2	5.1	7.1	+1.6	12.2	23	0.5	29.30	-	8.5	114	152	36	7	23	15	0	0	0	0	0	0	0	-	-	1	1.44	77	-
NORTH HEATH	9 9	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ROGATE	9 9	64	9.0	3.9	6.5	-	15.0	23	-1.3	3	6.8	-	135	-	33	7	21	17	0	0	0	0	0	5	1	14	-	0	-	-	S
RUSTINGTON	9 9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WORTHING	9 9	2	9.4	5.1	7.3	-	13.0	23	0.8	29	7.3	-	108	-	28	7	21	13	0	0	0	0	0	0	0	6	-	0	1.04	-	-
EAST SUSSEX																															
BEXHILL	9 9	4	9.2	5.4	7.3	+1.8	13.1	23	1.3	29	6.9	9.1	77	102	17	7	21	12	0	0	0	0	0	0	0	5	-	3	1.47	86	-
BRIGHTON	9 9	10	9.3	5.2	7.3	+1.4	13.5	23	0.8	21	-	8.8	81	114	20	7	19	13	0	0	0	0	0	1	0	5	-	0	1.32	73	-
EASTBOURNE	9 9	7	9.6	6.1	7.9	+2.0	14.2	23	2.3	28	7.5	9.1	75	91	16	9	19	12	0	0	0	0	0	2	0	3	-	0	1.36	75	-
EAST HOATHLY	9 9	38	9.2	3.6	6.4	-	14.4	23	-2.1	3	-	-	95	119	25	7	17	13	0	0	0	0	0	2	4	15	8	2	1.35	-	-
HASTINGS	9 9	45	8.9	5.2	7.1	+1.6	12.2	23	1.0	29	6.7	8.4	72	96	16	7,9	17	12	0	0	0	0	0	0	0	8	-	3	1.42	78	-
HERSTMONCEUX	21-9	17	9.1	4.9	7.0	-	14.9	23	-0.9	29	-	-	80	-	19	7	16	11	0	0	0	0	0	2	1	9	6	2	1.42	-	-
PLUMPTON	9 9	76	8.8	4.4	6.6	-	14.4	23	-1.6	21	-	-	127	122	33	7	20	14	0	0	0	0	0	7	3	4	-	0	1.05	-	S

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1977

DISTRICT REGION/COUNTY AND PLACE	TERMINAL (HGMT) MAX. MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM MAX.	HIGHEST MAXIMUM DATE	LOWEST MINIMUM MIN.	LOWEST MINIMUM DATE	MEAN EARTH TEMPERATURE 30 CM DEGREES C	MEAN EARTH TEMPERATURE 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT) TOTAL FALL (MM)	RAINFALL PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	MOST IN A DAY DATE	WEATHER (NUMBER OF DAYS) PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS,ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE DAILY MEAN (HOURS)	BRIGHT SUNSHINE PERCENTAGE OF 1941-70 AVERAGE	BRIGHT SUNSHINE EXPOSURE
7A ENGLAND NW & I.O.M.																															
CUMBRIA																															
CARLISLE	21-9	26	7.6	3.5	5.5	-	13.6	23	-3.3	1	5.4	7.0	71	95	15	23	16	13	1	0	0	0	0	0	4	17	11	0	1.54	-	-
CARTMEL	9 9	34	7.6	2.9	5.3	-	12.2	23	-3.8	1	-	-	96	-	26	22	20	13	0	0	0	0	0	4	5	-	-	0	-	-	-
GRIZEDALE	9 9	91	7.4	2.2	4.8	-	12.5	23	-4.2	1	5.1	-	133	62	26	23	19	15	1	0	0	0	0	2	9	20	-	1	-	-	-
MOOR HOUSE	9 9	556	4.1	0.2	2.1	-	9.6	23	-5.0	1	3.1	-	194	95	37	22	22	16	2	6	2	2	0	7	16	(21)	-	5	0.77	-	-
NEWTON RIGG	9 9	171	7.0	2.6	4.8	+1.4	11.7	23	-3.7	1	4.3	-	97	92	21	11	13	12	0	0	0	0	0	0	4	14	-	0	1.09	92	S
SELLAFIELD	9 9	13	8.9	4.6	6.7	-	11.0	14,22,24	0.6	1	-	-	115	109	33	22	16	13	-	0	-	-	-	2	0	7	-	-	1.23	-	-
LANCASHIRE																															
HAZELRIGG	9 9	94	7.6	3.4	5.5	-	13.9	23	-3.2	1	-	-	93	-	15	22	19	15	1	0	0	0	0	3	1	10	-	7	1.30	-	-
HELMSHORE	9 9	260	6.3	2.7	4.5	-	12.4	23	-1.1	3	5.1	-	126	79	28	22	21	18	3	0	0	0	0	3	2	16	-	0	0.78	-	S
KIRKHAM	9 9	24	7.7	3.8	5.7	-	14.5	23	-4.5	1	-	-	90	99	15	22	21	14	1	0	0	1	0	3	1	10	-	0	1.10	-	S
MORECAMBE	9 9	7	8.0	4.5	6.3	+1.6	14.0	23	-1.7	1	-	-	76	78	19	22	20	13	0	0	0	0	0	0	1	-	-	0	1.18	95	-
PRESTON	9 9	33	7.9	4.0	5.9	-	15.3	23	-2.8	1	-	-	81	83	14	22	22	14	1	0	0	0	0	1	1	12	-	1	-	-	-
SLAIDBURN	9 9	192	6.6	2.6	4.6	-	12.8	23	-3.0	1	-	-	153	90	31	22	21	17	2	0	0	0	0	1	2	13	-	0	0.46	-	-
SQUIRES GATE AIRPORT	21-9	10	7.6	4.2	5.9	+1.1	13.2	23	-1.1	5	-	-	78	94	13	22	19	12	2	0	0	0	0	0	1	6	4	2	1.13	81	-
STONYHURST	9 9	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERSEYSIDE																															
BIRKENHEAD	9 9	12	8.2	3.7	5.9	-	15.3	23	-2.8	1	-	-	57	-	7	26	21	16	1	0	1	0	0	1	2	9	4	2	1.29	-	-
BIDSTON	9 9	60	7.8	4.4	6.1	-	15.0	23	0.3	1,3	-	-	63	-	8	26	21	17	2	-	0	0	0	2	0	2	-	1	1.15	-	-
ST HELENS	9 9	76	(7.9)	3.9	(5.9)	-	-	-	-3.0	1	5.0	-	61	-	9	26	22	16	0	-	1	0	0	-	1	-	-	0	1.17	-	S
SOUTHPORT	9 9	5	7.8	3.5	5.7	+1.1	14.1	23	-3.6	1	5.3	8.6	74	95	11	22	16	14	-	-	-	-	-	-	1	3	-	-	0.96	71	-
SPEKE AIRPORT	21-9	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WEST KIRBY PARK	9 9	8	8.6	4.2	6.4	+1.3	14.9	23	-1.3	1	-	-	64	92	8	26	21	15	0	0	0	0	0	-	2	7	-	0	-	-	-
GREATER MANCHESTER																															
BOLTON	9 9	107	7.3	3.6	5.5	-	13.8	23	0.0	3	5.7	6.8	93	-	14	26	19	19	0	0	0	0	0	2	0	11	-	5	0.85	98	-
MANCHESTER																															
RINGWAY AIRPORT	21-9	75	7.9	4.4	6.1	+1.8	15.1	23	-0.2	1	-	-	48	62	5	9.26	17	13	2	0	0	1	0	0	1	8	8	2	1.44	119	-
WEATHER CENTRE (X)	21-9	69	8.7	5.2	6.9	-	15.2	23	1.5	3	-	-	53	-	8	26	19	14	1	-	0	1	0	1	0	-	-	0	1.08	-	-
CHESHIRE																															
KNUTSFORD	9 9	65	7.9	3.5	5.7	-	15.0	23	-4.2	1	5.2	6.4	52	66	6	26	18	14	1	0	0	0	0	0	2	14	-	0	-	-	-
MACCLESFIELD	9 9	152	7.3	3.3	5.3	+1.5	14.1	23	-1.6	1	-	-	67	74	8	9	23	15	2	0	0	0	0	2	4	-	-	0	-	-	-
NESS GARDENS	9 9	55	8.3	3.6	5.9	-	15.4	23	-1.6	1	5.7	-	70	104	11	27	20	18	0	0	1	0	0	1	3	15	-	0	1.22	-	S
ISLE OF MAN																															
DOUGLAS	9 9	87	8.1	5.1	6.6	+0.7	11.7	23	1.1	1	-	-	102	82	22	22	21	16	1	0	1	0	0	0	0	3	-	9	0.62	41	-
POINT OF AYRE	21-9	9	8.4	6.0	7.2	+0.7	12.5	23	2.0	9	-	-	83	98	16	10	16	11	0	0	0	0	0	0	0	-	-	11	0.69	48	-
RONALDSWAY AIRPORT	21-9	16	8.5	5.7	7.1	+0.6	12.4	23	0.4	1	-	-	107	112	17	27	22	15	1	0	1	1	0	0	0	4	2	3	0.57	39	-
7B WALES N																															
GWYNEDD																															
ABER	9 9	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALA	9 9	163	7.8	2.9	5.3	-	13.8	23	-2.9	21	5.3	6.8	124	83	25	23	21	17	1	0	0	0	0	0	4	12	8	0	-	-	-
BARDSEY ISLAND	21-9	16	9.2	6.6	7.9	-	12.1	23	3.5	27,28	-	-	125	127	24	22	21	17	0	0	0	0	0	1	0	0	0	9	-	-	-
BETWS-Y-COED	9 9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BOTWNNOG	9 9	34	10.7	4.6	7.7	-	14.4	27	2.3	5	6.5	8.8	136	111	24	22	19	16	0	0	0	0	0	0	0	6	-	0	1.32	-	-
CWMYSTRADLLYN	9 9	204	8.4	3.8	6.1	-	12.5	23	1.0	28,29	-	-	201	-	37	22	22	21	-	-	-	-	-	-	0	-	-	-	1.07	-	-
LLYN ALAW	9 9	44	9.0	4.2	6.6	-	12.5	23	0.5	3	-	-	113	-	39	22	22	15	-	-	-	-	-	-	0	-	-	-	1.33	-	-
PEN-Y-FFRIDD	9 9	84	9.3	4.9	7.1	-	13.9	20	1.6	3,28	-	-	125	106	15	22	20	17	0	0	0	1	0	0	0	16	-	0	1.15	-	-
TRAWSFYNYDD	9 9	193	(7.9)	(3.8)	(5.9)	-	13.8	23	0.2	28	-	-	161	84	19	30	22	18	-	0	-	-	-	3	0	(6)	(7)	-	-	-	-
VALLEY	21-9	10	9.4	5.7	7.5	+1.0	12.9	20	1.2	4	-	-	105	111	33	22	19	15	0	0	0	0	0	0	0	8	3	4	1.51	94	-
CLWYD																															
ALWEN	9 9	335	6.3	1.8	4.1	-	12.4	23	-2.6	1	-	-	121	85	19	23	23	17	-	-	-	-	-	-	7	18	-	-	-	-	-
BWLCHGWYN	9 9	386	5.3	1.9	3.6	-	11.0	23	-4.0	4	4.4	-	115	105	21	7	23	17	3	2	0	0	0	7	4	10	-	3	-	-	-
COLWYN BAY	9 9	24	8.5	4.5	6.5	-	14.2	23	-0.2	5	-	-	67	79	7	7	20	17	0	0	0	0	0	1	-	-	-	0	1.15	88	S
CORWEN	9 9	144	7.9	2.5	5.2	-	14.5	23	-3.0	1	-	-	126	107	17	10	21	17	0	0	0	0	0	-	6	15	-	0	-	-	-
HAWARDEN BRIDGE	9 9	5	8.1	3.6	5.9	+1.0	15.5	23	-3.4	1	-	-	65	99	8	7	22	15	1	0	0	0	0	1	2	-	-	3	-	-	-
LOGGERHEADS	9 9	210	7.2	2.6	4.9	-	13.7	23	-2.7	1	5.3	6.3	108	126	16	6	21	18	2	0	0	0	0	2	5	12	-	0	0.82	-	S
PRESTATYN	9 9	4	8.7	(4.4)	(6.5)	-	15.7	23	-0.2	3	-	-	65	100	8	7	21	16	1	0	0	0	0	0	1	-	-	0	1.35	-	-
RUTHIN	9 9	76	8.4	3.5	5.9	-	14.9	23	-2.0	28	-	-	75	100	10	11	18	13	0	0	0	0	0	0	3	-	-	0	1.28	-	-
POWYS(NORTH)																															
LAKE VYRNWY	9 9	303	6.4	2.5	4.5	+1.0	12.6	23	-1.6	4	4.3	-	172	90	36	23	24	18	3	0	1	0	0	9	6	15	-	4	-	-	-
MOEL CYNNEDD	9 9	358	6.2	2.0	4.1	-	12.1	23	-1.9	1	5.0	-	231	-	29	11	26	21	5	3	0	1	0	2	9	19	-	4	-	-	-
8A WALES S																															
DYFED																															
ABERPORTH	21-9	134	8.4	5.4	6.9	+1.0	13.3	23	2.0	2	-	-	78	77	13	17	20	15	0	0	1	0	0	1	0	0	0	6	1.30	79	-
ABERYSTWYTH	9 9	4	-	-	-	-	-	-	-	-	-	-	88	85	10	26	19	16	0	0	0	0	0	1	-	-	-	0	-	-	-
BRAWDY	21-9	111	8.5	5.5	7.0	-	12.4	23	1.1	1	-	-	129	-	22	9	17	16	1	0	0	2	0	1	0	3	2	2	1.12	-	-
BRYNAMMAN	21-9	183	8.2	4.7	6.5	-	13.0	23	-0.3	28	-	-	160	-	23	9	22	19	1	0	0	1	1	1	1	3	-	4	-	-	-
CARMARTHEN	9 9	15	-	-	-	-	-	-	-	-	-	-	122	90	23	9	(17)	(14)	-	-	-	-	-	-	-	-	-	-	-	-	-
CWMYSTWYTH	9 9	301	7.4	2.6	5.0	-	12.4	23	-1.2	29	-	-	210	103	31	12	21	21	3	0	0	0	0	0	5	15	-	0	0.98	-	-
DALE FORT	9 9	33	9.6	6.5	8.1	+0.8	12.7	23	2.7	28	7.4	-	97	-	19	9	19	14	1	0	0	1	1	1	0	4	-	9	1.16	-	-
ESGAIRWEN-UCHAF	9 9	332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GOGERDDAN	9 9	31	9.2	4.6	6.9	-	14.3	23	-1.2	28	-	-	94	84	11	26.27	20	16	0	0	0	1	0	1	2	14	-	0	1.20	-	S
LLETY-EVAN-HEN	9 9	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MILFORD HAVEN (CONSERVANCY BOARD)	21-9	37	9.2	6.6	7.9	-	13.0	23	1.9	28	-	-	117	102	29	10	19	17	0	0	1	0	0	1	0	0	0	2	-	-	-
ORIELTON	9 9	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SKOKHOLM ISLAND	9 9	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1.24	-	-
TENBY	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRAWSCOED	9 9	61	8.9	3.7	6.3	-	14.0	23	-3.0	28	7.1	-	106	79	17	11	19	19	0	0	0	0	0	3	4	16	-	0	0.92	71	-
TREGARON	9 9	178	8.3	(3.2)	(5.7)	-	13.5	23	-2.5	28	-	-	135	-	16	11	21	19	0	0	0	0	0	0	5	15	-	1	1.06	-	S
WHITECHURCH	9 9	130	8.6	4.4	6.5	-	13.2	23	-1.1	5	-	-	149	-	23	22	20	16	0	0	1	1	0	0	2	6	-	4	-	-	-
POWYS(SOUTH)																															
CENARTH	21-9	308	6.4	3.4	4.9	-	13.0	23	-0.9	4	-	-	142	-	19	11	23	18	0	0	0	0	0	5	1	13	-	0	-	-	-
LLANGENNY	9 9	122	(8.6)	(4.2)	(6.4)	-	14.7	23	-1.4	1	-	-	135	-	28	9	22	16	1	0	0	0	0	-	1	-	-	1	-	-	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (GMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL: PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
8A WALES S CONTINUED																																
WEST GLAMORGAN																																
MUMBLES HEAD	21-9	36	8.7	(6.3)	(7.5)	-	12.7	23	1.9	28,29	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	1)(2)	9	-	-	-
NEATH	9 9	62	9.4	5.3	7.3	-	13.4	23	-1.0	1	-	-	117	82	30	9	20	15	0	0	0	0	1	1	2	-	0	-	-	-
PENMAEN	9 9	85	9.0	5.3	7.1	-	12.6	23	-0.5	1	7.1	8.0	101	77	24	9	19	15	0	0	0	2	0	1	1	4	4	6	1.15	-	-
PORT TALBOT	9 9	7	9.9	5.8	7.9	-	13.6	23	1.0	28,29	-	-	86	69	23	9	19	15	0	0	0	0	0	0	0	3	3	2	1.13	-	-
SWANSEA	9 9	8	-	4.8	-	-	-	-	0.2	1	4.2	8.6	98)(	76)(	24)	9	18	15	0	0	0	0	0	0	0	5	-	0	-	-	S
WHITEFORD BURROWS	9 9	6	9.6	5.6	7.6	-	13.7	23	0.2	1	-	-	97	-	23	9	21	16	0	0	0	0	1	0	6	-	-	2	-	-	-
MID GLAMORGAN																																
ABERDARE	9 9	174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CILFYNYDD	21-9	194	7.6	4.5	6.1	-	13.0	23	-0.3	29	-	-	140	-	19	9	22	15	0	0	0	0	0	2	1	4	2	1	-	-	-
LLWYNON	9 9	242	7.6	3.2	5.4	-	13.1	23	-2.2	1	-	-	175	86	28	9	23	19	1	0	0	0	0	0	10	2	-	-	0	0.68	-	S
PORTHCAWL	9 9	6	9.1	5.1	7.1	-	13.3	23	-1.5	1	-	-	77	70	17	9	22	15	-	-	-	-	1	2	-	-	-	5	1.31	-	S
SOUTH GLAMORGAN																																
BRIDGEND	9 9	43	9.2	4.6	6.9	-	14.4	23	-1.9	1	7.1	8.9	87	-	16	22	21	18	-	-	-	-	-	2	9	-	-	-	-	-	-
RHOOSE AIRPORT	21-9	67	8.4	5.0	6.7	-	14.3	23	0.1	28	-	-	71	-	11	7	21	17	0	0	1	2	0	2	0	5	2	1	1.10	-	-
GWENT																																
CRUMBLAND	9 9	245	7.5	3.2	5.3	-	10.9	22,23	-1.2	3	6.0	6.9	112	104	24	7	19	14	0	0	0	0	0	11	4	12	-	2	0.96	-	-
NEWPORT	9 9	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USK	9 9	21	9.1	3.9	6.5	+1.8	14.6	23	-2.5	3	6.4	-	108	98	19	7	20	15	0	0	0	0	0	-	3	9	-	0	0.81	57	-
8B ENGLAND SW																																
AVON																																
BATH	9 9	118	(9.4)	(3.9)	(6.7)	-	14.0	23	-2.5	1	6.9	-	108	139	32	7	18)(	17)	0	0	0	0	0	5	1	-	-	0	-	-	-
FILTON	21-9	59	8.8	4.8	6.8	+1.7	15.5	23	-0.3	3	-	-	67	84	15	7	18	13	0	0	0	0	0	1	1	8	7	1	1.28	89	-
LONG ASHTON	9 9	51	9.4	4.0	6.7	+1.5	15.5	23	-1.2	29	6.6	-	75	88	15	7	20	14	0	0	0	0	0	1	2	16	-	0	1.08	68	-
SOMERSET																																
CANNINGTON	9 9	23	9.8	4.4	7.1	+1.4	15.7	23	-0.5	19	-	-	76	105	20	7	17	14	0	0	0	0	0	0	1	10	-	2	1.05	62	-
CREWKERNE	9 9	101	9.1	4.5	6.8	-	13.2	23	-1.5	1	6.3	-	123	-	37	9	18	14	0	0	0	0	0	-	1	-	-	0	-	-	-
DOWNSIDE ABBEY	9 9	183	8.3	3.7	6.0	-	13.3	23	-1.0	29	-	-	103	91	23	7	18	16	0	0	0	0	0	5	2	-	-	0	-	-	-
EXTON	21-9	335	7.3	3.8	5.5	-	12.7	23	0.4	28	-	-	117	-	12	10	20	18	1	0	1	0	0	9	0	9	6	1	-	-	-
HAWKRIDGE	9 9	314	7.6	3.4	5.5	-	12.7	23	-0.2	19	-	-	112	61	11	10	22	21	1	0	0	1	0	9	2	11	-	0	0.62	-	-
NETTLECOMBE	9 9	96	9.5	4.4	6.9	-	15.4	23	-0.8	1	6.9	-	106	-	16	10	18	17	0	0	0	0	0	1	2	6	-	1	-	-	-
NETTLECOMBE(BIRDS HILL)	9 9	290	8.1	4.1	6.1	-	13.7	23	-0.2	1	-	-	117	-	18	10	18	17	0	0	0	0	0	5	1	6	-	2	-	-	-
RODNEY STOKE	9 9	40	9.4	4.5	6.9	-	15.0	23	0.3	29	7.2	8.5	67	74	12	9	18	13	0	0	0	1	0	0	0	8	-	1	-	-	-
WINCANTON	9 9	114	9.1	3.5	6.3	-	13.5	23	-1.5	1	-	-	123	127	26	7	17	16	0	0	0	0	0	6	2	12	-	1	0.99	-	-
YEOVILTON	21-9	18	9.5	4.7	7.1	-	14.1	23	-2.2	29	-	-	88	115	19	7	18	13	0	0	0	0	0	2	1	10	6	0	-	-	-
DORSET																																
BOURNEMOUTH																																
HURN AIRPORT	21-9	10	9.7	5.0	7.3	-	15.5	23	-0.8	29	-	-	119	140	31	9	21	14	0	0	0	0	0	3	2	9	6	2	1.42	-	-
MEYRICK PARK	9 9	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHRISTCHURCH	9 9	3	9.9	5.1	7.5	-	13.5	23	1.0	29	-	-	116	140	33	7	19	13	0	0	0	0	0	1	0	8	-	0	-	-	-
POOLE	9 9	5	10.0	4.9	7.5	+2.2	13.9	23	-0.6	29	7.7	9.3	118	144	28	7	17	14	0	0	0	0	0	6	1	4	-	0	1.43	77	-
PORTLAND BILL																																
(COASTGUARD)	21-9	53	(9.9)	(6.4)	(8.1)	(+0.6)	14.0	8	0.4	4	-	-	107	-	27	9	12	11	0	0	0	0	0	1	0	1	0	7	1.58	-	-
SWANAGE	9 9	11	10.0	6.1	8.1	+1.8	13.4	23	0.4	29	-	9.7	112	126	28	9	16	13	0	0	0	0	0	0	2	-	1	1	1.45	81	-
WEYMOUTH	9 9	23	10.3	6.0	8.1	-	13.2	23	0.7	29	-	-	120	-	29	7	16	12	0	0	0	0	0	0	0	-	-	0	1.53	76	-
WINFRITH	9 9	26	(9.8)	5.1	(7.5)	-	14.2	23	0.5	29	-	-	144	149	31	9	15	14	0	0	0	0	0	2	0	7	-	0	-	-	-
DEVON																																
CHELDON BARTON	9 9	164	9.0	4.1	6.5	-	13.9	23	-0.7	29	7.1	-	82	-	13	26	19	18	1	0	1	0	0	0	1	9	-	0	0.92	-	-
EXETER AIRPORT	21-9	32	9.8	5.5	7.7	+1.8	15.0	23	-1.2	29	-	-	123	152	22	9	18	13	0	0	0	1	0	3	2	10	2	1	0.83	47	-
EXMOUTH	9 9	59	9.9	5.2	7.5	+1.5	14.4	23	-0.5	1	-	-	121	148	24	9	15	14	0	0	0	0	0	4	1	-	-	2	1.48	72	-
HARTLAND POINT	21-9	91	9.3	6.6	7.9	+0.9	13.2	23	1.6	2	-	-	44	47	10	25	17	11	0	0	0	1	0	1	0	1	0	8	1.33	85	-
ILFRACOMBE	9 9	8	10.4	6.7	8.5	-	15.5	23	3.2	2	7.4	9.6	69	-	13	9	18	13	0	0	0	0	0	0	0	-	-	0	-	-	-
PLYMOUTH																																
MOUNT BATTEN	21-9	27	10.3	6.4	8.3	+1.2	13.2	23	-0.4	29	-	-	143	130	20	9	16	14	0	0	0	0	0	1	1	5	3	4	1.21	70	S
THE HOE	9 9	36	10.2	5.9	8.1	+1.2	13.3	23	0.2	29	7.6	8.9	126	118	17	9	17	14	0	0	0	0	0	-	0	5	-	0	1.23	68	-
PRAWLE POINT	21-9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	1	0	0	0	-	-	-	14	1.43	-	-
PRINCETOWN	9 9	414	7.4	3.8	5.6	-	12.0	23	-1.1	29	-	-	241	-	35	9	22	19	1	1	1	0	0	13	2	10	-	0	-	-	-
SLAPTON	9 9	32	10.4	5.9	8.1	-	13.8	23	0.4	29	-	-	123	104	17	9	18	15	0	0	1	0	0	0	0	8	-	0	-	-	-
STARCROSS	9 9	9	10.4	4.9	7.7	+1.6	14.8	23	-1.1	29	7.1	-	125	147	22	9	18	13	0	0	0	0	0	4	1	7	-	3	1.18	61	S
TAVISTOCK	9 9	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TEIGNMOUTH	9 9	6	10.4	5.9	8.1	+1.1	14.9	23	1.1	15,29	-	-	119	137	20	9	20	15	0	0	0	0	0	2	0	2	-	1	1.39	70	-
TORBAY(TORQUAY)	9 9	8	10.9	6.1	8.5	+1.6	14.8	23	0.2	29	-	9.0	129	130	28	9	17	14	0	0	0	0	0	0	2	-	-	3	1.68	83	-
CORNWALL																																
BASTREET	9 9	232	8.9	3.9	6.4	-	12.6	23	-1.7	1	-	-	204	106	39	9	24	18	0	0	1	0	0	2	5	8	-	0	1.08	-	-
BUDE	9 9	15	10.7	5.3	8.0	+1.1	15.6	23	-3.8	1	6.9	-	59	62	10	9	20	12	0	0	1	0	0	0	3	-	-	3	1.26	72	-
CULDROSE	9 9	81	10.1	6.1	8.1	-	13.2	23	0.9	1	-	-	101	91	16	6	21	16	0	0	0	0	1	2	0	8	6	0	(0.92)	-	-
ELLBRIDGE	9 9	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALMOUTH	9 9	51	10.6	5.9	8.3	+0.8	14.0	23	-1.0	1	-	-	140	107	22	7	23	17	0	0	1	0	1	0	1	6	-	1	1.01	57	-
FOWEY	9 9	75	10.3	5.8	8.1	+0.8	13.0	23	0.5	29	-	-	140	-	23	9	23	20	0	0	0	2	0	3	0	-	-	1	-	-	-
GULVAL	9 9	15	10.9	6.0	8.5	-	13.0	23	2.0	1,2	-	-	154	-	19	9	27	20	0	0	0	3	0	0	0	1	-	1	0.95	-	-
GWENNAP HEAD	21-9	66	10.4	8.0	9.2	-	14.5	23	1.9	1	-	-	101	-	16	9	19	15	1	0	0	2	0	1	0	1	0	15	-	-	-
LIZARD	9 9	73	10.7	-	-	-	12.9	23,24	-	-	-	-	132	129	22	7	19	16	0	0	0	0	0	0	-	-	-	9	1.34	72	-
NEWQUAY	9 9	54	10.5	6.3	8.4	+1.1	14.3	23	1.5	1	-	-	115	110	18	9	21	15	0	-	0	0	0	0	0	-	-	-	0.94	54	-
PENZANCE	9 9	19	10.9	6.5	8.7	+0.7	13.5	23	1.5	27	-	-	160	123	24	9	23	19	0	0	3	0	1	1	0	-	-	5	1.05	56	-
ROSEWARNE	9 9	76	10.4	6.2	8.3	-	13.1	23	0.4	1	7.7	8.7	175	144	30	9	24	17	0	0	2	0	1	0	0	5	-	5	0.91	-	-
ST AUSTELL(BETHEL)	9 9	55	10.4	6.1	8.3	-	13.4	23	1.2	29	-	-	164	-	35	9	23	21	0	0	0	1	0	1	0	1	-	0	0.79	-	-
ST JOHNS	9 9	128	9.8	4.4	7.1	-	13.2	23	-3.3	1	-	-	128	96	34	9	19	17	-	-	-	-	-	-	2	-	-	-	-	-	-
ST MAWGAN	21-9	103	10.1	6.2	8.1	-	14.3	23	0.6	1	-	-	113	95	20	7	20	13	0	0	0	1	0	2	0	7	4	3	1.23	-	-
SCILLY(ST MARYS)	21-9	48	10.8	8.3	9.5	+0.8	13.8	23	3.4	1	-	-	114	114	17	9	22	16	0	0	0	2	1	1	0	1	0	3	1.03	55	-
CHANNEL ISLANDS																																
ALDERNEY	9 9	88	9.7	5.8	8.7	-	14.4	23	0.3	2	-	-	83	-	16	7	19	14	0	0	0	0	0	1	0	5	-	0	(1.30)	-	-
GUERNSEY																																
AIRPORT	21-9	104	9.6	6.9	8.3	+0.8	14.3	23	1.7	1	7.7	9.1	111	100	15	7	19	14	1	0	1	0	1	2	0	2	1	0	1.32	79	-
L'ANCRESSE	9 9	5	10.7	7.0	8.9	-	15.7	23	2.6	2	-	-	117	112	20	7	19	13	1	-	1	0	0	-	0	-	-	0	1.57	-	-
JERSEY																																
AIRPORT	9 9	83	9.6	5.5	7.5	-	15.1	23	-1.2	2	7.5	9.0	101	92	14	7	17	12	2	0	1	0	2	1	1	2	3	0	1.71	-	-
GOREY CASTLE	- -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.79	-	-
ST HELIER	9 9	47	9.7	6.0	7.9	+0.4	14.4	23	0.4	2	-	-	104	94	16	6	18	11	2	0	1	0	2	0	0	11	-	0	1.90	101	-

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1977

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (LIGHT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE MSL (METRES)	AIR TEMPERATURE IN DEGREES C: MEANS OF MAX. (A)	MEANS OF MIN. (B)	DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM: MAX.	HIGHEST MAXIMUM: DATE	LOWEST MINIMUM: MIN.	LOWEST MINIMUM: DATE	MEAN EARTH TEMPERATURE: 30 CM DEGREES C	MEAN EARTH TEMPERATURE: 100 CM DEGREES C	RAINFALL (TERMINAL H 09 GMT): TOTAL FALL (MM)	RAINFALL (TERMINAL H 09 GMT): PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY: AMOUNT (MM)	MOST IN A DAY: DATE	WEATHER (NUMBER OF DAYS): PRECIPITATION 0.2 MM OR MORE	PRECIPITATION 1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	BRIGHT SUNSHINE: DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
NORTHERN IRELAND																																
LONDONDERRY																																
AGHANLOO	9	9	18	8.8	4.0	6.4	-	12.5	23	-4.0	1	-	-	59	-	9	23	22	10	-	-	-	-	-	2	6	-	-	-	-	-
BANAGHER(CAUGH HILL)	9	9	216	7.1	2.3	4.7	-	11.5	23	-4.5	1	-	-	146	-	19	9	24	23	2	0	0	0	0	4	11	-	6	0.64	-	-
CARMONEY	9	9	73	8.5	3.7	6.1	-	12.0	23	-2.5	1.2	66	-	15	23	22	15	0	0	0	0	0	2	7	-	-	0.85	-	-		
COLERAINE UNIVERSITY	9	9	23	8.2	3.0	5.6	-	11.8	23	-7.1	1	5.5	7.4	71	-	11	9	18	13	2	0	0	0	0	3	5	7	-	3	0.63	56	-
COOLKEERAGH	9	9	3	9.1	4.0	6.5	-	12.0	22	-4.0	1	-	-	72	-	10	23	17	15	-	-	-	-	-	3	-	-	-	-	-	-	-
DERRYNOYD FOREST	9	9	88	7.8	2.9	5.3	-	11.2	13	-6.2	1	-	-	138	102	22	9	27	20	1	0	0	0	0	3	4	14	-	-	-	-	-
GARVAGH FOREST	9	9	88	7.5	2.5	5.0	-	11.2	13	-5.8	1	4.7	6.6	100	77	16	9	27	18	0	0	0	0	0	4	7	-	-	-	-	-	-
LOUGHERMORE FOREST	9	9	174	7.6	3.1	5.3	-	11.2	23	-8.2	1	-	-	98	77	13	26	27	19	4	0	1	2	0	3	4	9	-	5	-	-	-
MONEYDIG	9	9	34	8.0	2.6	5.3	+0.8	11.2	13	-8.5	1	5.7	-	88	80	19	27	27	14	-	-	-	-	-	4	10	6	-	-	-	-	-
SOMERSET FOREST	9	9	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																																
ALDERGROVE AIRPORT	21-9		68	7.9	4.2	6.1	+1.5	12.8	23	-5.0	1	6.0	8.2	79	86	17	9	22	14	3	0	0	0	0	3	3	3	0	0.73	65	-
ALTNAHINCH	9	9	226	7.0	2.8	4.9	-	11.0	23	-6.5	1	-	-	115	72	15	9	26	19	1	0	0	0	0	3	2	8	-	7	0.41	-	-
BALLYLUMFORD	9	9	24	8.9	4.9	6.9	-	12.5	23,24,25	0.0	1	-	-	59	-	11	10	18	14	-	-	-	-	-	-	0	2	-	-	-	-	-
BALLYMONEY	9	9	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALLYPATRICK FOREST	9	9	152	7.8	3.2	5.5	-	12.1	23	-5.5	1	-	-	111	84	27	9	24	17	0	-	0	0	0	0	2	9	-	3	0.90	-	-
CARNLOUGH	9	9	12	9.2	4.9	7.1	-	13.5	23	-3.9	1	-	-	107	-	23	9	23	17	0	-	0	0	0	0	2	6	-	-	-	-	-
DIVIS MOUNTAIN	9	9	363	6.0	1.6	3.8	-	10.2	23	-5.2	1	-	-	135	109	26	9	24	23	3	-	0	0	0	-	8	-	-	-	-	-	-
GREENMOUNT	9	9	32	8.3	3.6	5.9	-	13.2	23	-6.1	1	6.3	-	83	92	15	9	18	14	0	0	0	0	0	3	7	-	-	-	-	-	-
HYDE PARK (MALLUSK)	9	9	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KILROOT POWER STATION	9	9	12	8.7	4.7	6.7	-	12.6	23	-3.0	1	-	-	81	-	22	9	20	17	-	0	-	-	-	-	2	3	-	-	-	-	-
LISWAFILLAN	9	9	38	8.4	2.9	5.7	-	12.0	23	-7.1	1	-	-	84	80	15	9	26	14	0	0	0	0	0	1	4	7	-	-	0.67	-	-
LOWTOWN	9	9	271	6.5	2.9	4.7	-	11.2	23	-3.0	1	4.8	-	151	105	21	9	27	19	3	4	0	0	0	7	2	6	-	8	0.28	-	-
PARKMORE FOREST	9	9	235	6.8	2.5	4.7	-	11.4	23	-4.6	1	-	-	157	92	18	9	27	22	2	0	0	0	0	1	2	18	-	6	-	-	-
WOODBURN NORTH	9	9	217	6.9	3.1	5.0	-	10.5	23	-3.8	1	-	-	102	86	21	9	23	21	1	0	0	0	0	5	2	4	-	-	-	-	-
BELFAST																																
ANDERSONSTOWN	9	9	64	8.4	3.9	6.1	-	12.9	23	-3.2	1	-	-	110	-	25	9	23	17	2	0	0	0	0	3	2	7	-	-	-	-	-
MALONE	9	9	35	8.7	3.8	6.3	-	13.4	23	-3.6	1	6.1	-	105	-	24	9	23	19	-	-	-	-	-	-	2	10	-	-	0.80	-	-
MILLTOWN	9	9	37	8.4	3.8	6.1	-	13.2	23	-3.2	1	-	-	111	-	25	9	22	19	3	0	0	0	0	1	2	10	-	-	-	-	-
NEWTOWNABBEY	9	9	32	8.7	4.9	6.8	-	13.2	23	-1.9	1	6.2	-	90	85	23	9	20	14	1	0	0	0	0	1	2	7	3	1	0.67	-	S
ROSEBANK	9	9	47	8.7	3.7	6.2	-	13.1	23	-2.1	1	-	-	94	-	27	9	23	19	-	0	-	-	-	-	1	-	-	-	-	-	-
ROSETTA	9	9	24	8.9	3.6	6.3	-	13.4	23	-3.5	1	-	-	97	101	28	9	21	14	0	0	0	0	0	2	2	-	-	-	-	-	-
STORMONT CASTLE	9	9	56	8.3	4.3	6.3	-	12.5	23	-2.4	1	5.9	7.3	88	91	27	9	19	15	0	0	0	0	0	0	1	11	-	-	0.62	-	-
DOWN																																
BANGOR SEACOURT	9	9	15	8.6	5.4	7.0	-	12.5	23	-0.2	1	6.6	8.6	67	-	22	9	22	13	1	0	1	0	0	1	1	2	2	-	0.68	-	-
BALLYWALTER PARK	-	-	11	-	-	-	-	-	-	-	-	-	-	70	83	22	9	20	13	-	-	-	-	-	-	-	-	-	-	0.80	-	-
BALLYWATTICOCK	9	9	6	8.3	4.3	6.3	-	11.4	23	-3.6	1	5.8	7.3	72	91	24	9	21	15	0	0	0	0	0	1	2	4	-	-	0.90	-	-
CREIGHTONS GREEN	9	9	119	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DOWNPATRICK	9	9	26	9.2	4.4	6.8	-	12.1	13	-5.5	1	-	-	93	-	28	9	16	15	-	-	-	-	-	0	2	5	-	-	-	-	-
HELENS BAY	9	9	43	8.3	4.6	6.5	-	12.1	23	-1.5	1	-	-	79	92	28	9	21	15	0	0	1	1	0	1	1	5	-	2	0.91	-	-
HILLSBOROUGH	9	9	116	7.9	3.7	5.8	+1.1	12.8	23	-3.5	1	6.1	7.7	97	109	23	9	21	14	1	0	0	0	0	2	2	9	-	4	0.78	64	-
MURLOUGH	9	9	9	8.9	3.7	6.3	-	12.4	13	-7.0	1	5.9	6.8	101	-	25	9	19	15	0	0	0	0	0	3	2	10	-	7	0.97	-	-
ARMAGH																																
ARMAGH	9	9	62	8.2	3.8	6.0	+1.1	12.7	23	-7.0	1	5.8	7.4	69	80	11	23	24	16	1	0	0	0	0	2	3	11	-	2	0.65	55	-
LOUGHGALL	9	9	25	8.6	3.2	5.9	-	13.1	23	-6.5	1	-	-	60	74	12	9	23	14	0	0	0	0	0	6	3	15	-	1	0.70	-	-
LURGAN	9	9	55	8.3	4.0	6.1	-	12.9	23	-7.0	1	6.1	7.6	65	79	13	9	23	15	0	-	0	0	0	-	3	8	-	-	0.67	-	-
TANDRAGEE	9	9	43	8.7	3.7	6.2	-	13.2	23	-7.0	1	-	-	78	-	11	10	22	17	-	-	-	-	-	-	3	-	-	-	-	-	-
TYRONE																																
ALTAVEEDAN	9	9	175	7.7	3.1	5.4	-	11.7	23	-4.7	1	-	-	126	-	22	2	26	20	-	-	-	-	-	-	3	5	-	-	-	-	-
CARRIGANS	21-9		113	7.6	4.1	5.9	-	11.5	23	-5.2	1	-	-	96	79	13	23	27	18	3	0	1	0	0	4	3	7	3	0	0.49	-	-
COOKSTOWN	9	9	77	7.9	3.1	5.5	-	12.2	23	-6.2	1	5.7	-	96	90	14	10	22	18	0	0	0	0	0	5	4	10	-	-	0.55	-	-
LOUGH BRADAN	9	9	169	7.4	2.9	5.1	-	10.8	23	-6.6	1	-	-	124	82	15	26	27	25	-	0	-	-	-	1	3	7	-	-	0.47	-	S
POMEROY FOREST	9	9	174	7.3	2.7	5.0	-	11.3	23	-5.9	1	5.4	-	107	86	12	26	25	18	1	0	0	0	0	7	4	7	-	-	-	-	-
STRABANE CONVENT	9	9	44	8.7	3.8	6.3	-	11.9	23	-4.9	1	-	-	83	81	14	23	25	21	1	0	5	0	0	4	3	3	-	4	0.46	-	-
TIEVENNY	9	9	41	8.6	3.6	6.1	-	11.2	13,23	-5.0	1.2	-	-	79	-	11	23	25	20	-	-	-	-	-	-	3	5	-	-	-	-	-
FERMANAGH																																
CASTLE ARCHDALE FOREST	9	9	66	8.3	3.5	5.9	+1.6	12.1	23	-6.5	1	5.8	6.8	96	76	12	23	24	21	2	0	0	0	0	4	3	8	-	0	0.39	29	-
CORGARY	9	9	156	8.0	3.4	5.7	-	10.8	23	-5.3	1	-	-	113	-	16	23	26	25	4	-	1	0	0	1	3	6	4	-	-	-	-
KNOCKARAVAN	9	9	53	8.8	3.8	6.3	-	12.6	23	-5.2	1	-	-	96	-	14	23	27	18	1	0	0	0	0	1	2	5	4	-	-	-	-
LISNASKEA	9	9	49	8.1	3.4	5.7	-	11.2	23	-7.0	1	-	-	98	93	16	22	23	19	0	-	0	0	0	1	2	4	-	-	0.57	-	-
LOUGH NAVAR FOREST	9	9	148	7.5	2.6	5.1	-	10.7	13,23	-7.0	1	-	-	140	84	18	7	27	25	0	0	0	0	0	4	5	11	-	-	-	-	-
PUBBLE FOREST	9	9	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

DECEMBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																																
0 SCOTLAND N SHETLAND																																									
FAIR ISLE	61	9	1010.2	-	6.5	0.9	8.3	86	6.4	0	2	3	16	10	0	0	0	0	0	1	0	1	4	5	16	4	8	12	6	5	0	1	0	2	5	7	5	8	3
		15	1010.1	-	6.6	1.0	8.3	85	6.1	0	3	8	10	9	1	0	0	0	0	1	1	2	1	11	9	6	7	9	12	3	0	2	0	2	6	7	6	4	5
		21	1010.7	-	6.4	1.1	8.1	84	6.4	0	5	1	12	13	0	0	0	0	0	0	1	6	5	12	7	7	10	11	3	0	3	0	2	7	7	7	4	1
LERWICK	83	3	1009.4	-	5.5	-	8.0	-	7.1	0	0	4	9	17	1	0	0	1	0	0	0	12	7	11	0	0	11	14	4	2	2	0	2	5	8	6	4	2
		9	1009.4	+ 4.1	5.7	-	7.8	-	6.6	0	1	6	13	11	0	0	0	0	0	0	2	7	9	11	2	1	12	13	4	1	1	0	2	7	4	6	7	3
		15	1009.4	-	5.6	-	8.0	-	6.2	0	3	5	11	12	0	0	0	0	0	0	2	8	9	10	2	0	10	17	3	1	1	0	1	3	5	6	7	2
		21	1009.9	-	5.3	-	8.0	-	6.3	1	3	4	9	14	0	0	0	0	0	0	2	9	10	8	2	0	11	14	5	1	2	1	1	3	10	8	3	2
ORKNEY																																									
KIRKWALL	26	3	1010.2	-	5.6	0.8	8.1	88	6.4	0	5	1	11	14	0	0	0	0	0	0	1	0	1	4	15	12	2	1	5	15	9	1	2	0	2	6	7	6	5	9	2
		9	1010.4	+ 4.3	5.7	0.8	8.1	88	5.5	0	8	2	12	9	0	0	0	0	0	0	1	1	4	9	17	0	0	9	16	6	0	1	0	2	7	6	4	9	2
		15	1010.5	-	5.9	0.8	8.2	87	6.0	0	5	3	17	5	1	0	0	0	0	0	1	1	3	5	15	6	0	5	17	8	1	2	0	1	6	7	4	9	1
		21	1010.8	-	5.6	0.8	8.1	88	5.9	0	5	4	13	9	0	0	0	0	1	0	0	1	11	15	3	0	8	13	9	1	1	0	1	9	6	7	3	3
WESTERN ISLES																																									
BENBECULA	7	3	1009.7	-	6.2	0.9	8.3	87	5.3	3	3	7	9	9	0	0	0	0	0	0	0	0	8	17	8	6	1	3	12	14	1	0	1	3	7	6	3	6	4
		9	1010.4	+ 3.8	6.5	0.9	8.4	86	5.8	0	5	5	13	8	0	0	0	0	0	0	1	0	4	17	8	0	3	18	10	0	0	3	1	2	8	6	5	3	3
		15	1010.0	-	7.0	0.9	8.7	86	6.0	0	2	8	15	6	0	0	0	0	0	0	1	0	8	14	8	0	4	19	8	0	1	3	0	3	7	9	3	2	4
		21	1009.6	-	6.7	0.8	8.7	87	6.1	1	3	5	9	13	0	0	0	0	0	0	1	0	8	14	8	0	4	20	6	1	1	1	3	8	7	5	3	2
STORNOWAY	5	3	1009.3	-	5.8	0.7	8.4	90	4.3	3	9	5	7	7	0	0	0	0	0	0	1	9	18	3	1	3	12	12	3	1	0	2	7	3	6	7	2	3
		9	1010.0	+ 3.7	6.0	0.8	8.4	89	5.5	0	6	5	13	7	0	0	0	0	0	0	2	7	18	4	0	2	16	12	1	2	0	3	5	5	9	3	4	3
		15	1009.7	-	6.8	0.9	8.6	87	5.5	0	6	3	18	4	0	0	0	0	0	0	0	4	13	6	0	1	18	11	1	0	1	6	7	7	4	4	3	4
		21	1009.4	-	6.4	0.8	8.6	89	5.3	3	5	5	6	12	0	0	0	0	0	0	0	3	9	14	5	0	2	20	9	0	1	0	0	9	7	9	2	3
HIGHLAND																																									
CAPE WRATH	113	3	1008.9	-	6.6	1.1	8.3	84	5.1	0	8	7	5	11	0	0	0	0	0	0	0	0	1	19	11	1	7	10	11	2	1	2	2	4	6	7	3	4
		9	1009.3	-	6.8	1.2	8.2	83	6.3	0	1	8	10	12	0	0	0	0	0	0	0	2	17	12	1	5	15	10	0	1	2	4	4	4	6	7	3	5
		15	1009.2	-	6.7	1.0	8.5	86	5.7	0	5	7	11	7	1	0	0	0	0	0	0	2	14	14	1	7	13	10	0	1	1	6	2	2	9	5	5	3
		21	1009.3	-	6.3	1.1	8.1	83	5.5	0	7	5	8	11	0	0	0	0	0	0	0	2	19	10	2	5	13	11	0	1	2	5	4	4	8	4	3	
DALCROSS	12	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WICK	37	3	1010.5	-	5.3	0.9	7.8	86	5.7	1	5	4	16	5	0	0	0	0	1	1	0	4	7	15	3	0	7	13	11	0	1	0	3	5	11	3	4	4
		9	1010.7	+ 4.1	5.4	1.0	7.6	85	6.0	0	4	5	14	8	0	0	0	0	0	0	0	8	6	8	9	0	8	13	10	0	1	1	4	9	9	5	4	4
		15	1010.9	-	6.0	1.1	7.9	84	6.3	0	2	4	23	2	0	0	0	0	0	1	4	6	15	5	0	3	15	12	1	1	1	0	0	4	11	7	4	3
		21	1011.2	-	5.5	1.1	7.5	82	5.9	0	5	4	18	4	0	0	0	0	1	0	0	2	7	17	4	0	6	13	12	0	1	0	0	7	7	8	5	3
1 SCOTLAND E GRAMPIAN																																								
DYCE	59	3	1011.2	-	4.9	0.8	7.7	87	6.9	0	1	2	14	14	0	0	0	0	1	1	4	7	4	9	5	0	1	14	11	5	1	1	2	6	8	3	3	2
		9	1011.3	+ 3.0	5.1	0.9	7.6	86	6.3	0	3	6	11	10	1	0	0	0	1	2	2	7	6	6	7	0	2	14	13	2	1	0	3	9	4	4	4	4
		15	1012.0	-	5.9	1.2	7.7	82	6.4	0	1	4	22	4	0	0	0	0	0	1	1	12	7	7	4	0	2	10	16	3	1	0	1	7	8	3	3	5
		21	1012.1	-	5.1	0.9	7.6	86	6.2	0	3	6	9	12	1	0	1	0	0	0	3	12	9	2	4	0	0	15	14	2	3	0	3	9	4	2	5	3
FRASERBURGH	22	3	1011.2	-	6.3	0.7	8.6	90	6.3	0	3	4	11	13	0	0	0	0	0	0	0	1	20	10	0	2	4	15	10	0	1	0	3	7	13	2	3	2
		9	1010.9	+ 3.4	6.3	0.6	8.7	91	6.4	0	2	5	13	11	0	0	0	0	0	0	1	14	16	0	3	2	13	13	0	0	1	2	9	4	6	4	3	3
		15	1011.8	-	7.0	0.9	8.8	87	6.5	0	0	7	13	11	0	0	0	0	0	0	1	14	15	0	1	4	8	18	0	2	0	1	9	8	4	7	5	4
		21	1011.9	-	6.5	0.8	8.6	88	6.0	1	3	6	6	15	0	0	0	0	0	0	0	23	8	0	2	5	9	15	0	1	0	2	8	4	7	5	4	
KINLOSS	6	3	1010.6	-	4.9	1.2	7.1	81	5.8	1	3	5	17	5	0	0	0	0	0	0	0	2	9	16	4	0	3	9	18	1	1	1	6	5	5	9	1	2
		9	1011.1	+ 3.6	4.8	1.1	7.1	82	5.6	0	5	6	16	4	0	0	0	1	0	0	0	4	5	13	8	0	3	8	19	0	1	1	4	4	6	10	5	2	1
		15	1011.3	-	6.3	1.4	7.6	79	5.5	0	4	9	17	1	0	0	0	0	0	0	0	8	13	10	0	1	12	18	0	0	0	6	4	4	11	5	1	2
		21	1011.3	-	5.3	1.4	7.1	79	5.0	0	8	5	15	3	0	0	0	0	0	1	2	7	16	5	0	2	12	13	4	0	1	4	6	6	6	2	2	
LOSSIEMOUTH	6	3	1010.7	-	4.8	1.0	7.3	84	5.6	1	6	4	14	6	0	0	0	0	0	0	2	2	11	9	7	0	2	17	11	1	0	0	8	6	1	10	2	3	1
		9	1011.0	-	4.8	1.0	7.4	85	5.8	0	6	3	17	5	0	0	0	0	0	0	0	3	6	10	12	0	5	8	18	0	1	0	8	4	3	9	5	1	1
		15	1011.3	-	6.0	1.2	7.7	82	5.7	0	2	8	19	2	0	0	0	0	0	0	0	1	9	16	5	1	3	12	14	1	0	1	1	7	4	9	7	1	0
		21	1011.4	-	4.8	1.1	7.2	83	5.4	2	3	7	15	4	0	0	1	0	1	0	0	3	9	13	4	1	3	14	9	4	1	0	4	7	4	8	3	0	
TAYSIDE																																								
USAN	35	9	1011.9	-	5.8	0.7	8.3	89	6.0	0	5	5	8	13	0	0	0	0	0	0	3	3	4	9	12	0	5	9	16	1	2	0	2	5	4	7	7	3	0
		15	1012.8	-	6.6	0.9	8.5	87	5.8	0	4	5	16	6	0	1	0	0	0	0	0	1	8	7	14	0	5	11	13	2	3	1	4	1	8	6	6	0
		21	1012.7	-	6.2	0.8	8.3	87	5.4	2	6	3	10	10	0	0	0	0	0	1	0	1	8	9	12	0	8	11	11	1	4	0	5	4	7	4	6	0	
FIFE																																								
LEUCHARS	12	3	1011.4	-	5.5	1.0	7.7	84	6.9	1	0	1	15	14	0	0	0	0	0	0	2	3	11	9	3	6	0	1	15	12	3	0	3	5	3	3	10	3	1
		9	1011.8	+ 3.0	5.0	0.8	7.6	86	5.7	0	5	4	16	6	0	0	0	0	1	0	3	6	11	5	5	0	2	10	18	1	0	0	3	6	1	10	9	1	1
		15	1012.3	-	6.3	1.3	7.8	80	5.8	0	6	3	18	4	0	0	0	0	1	0	1	7	11	7	5	0	2	13	12	4	1	2	5	2	0	11	5	1	0
		21	1012.2	-	5.4	1.0	7.7	85	5.9	0	5	6	11	8	1	0	1	1	0	0	1	8	11	5	4	0	2	18	8	3	3	0	7	4	1	9	4	0	
LOTHIAN																																								
TURNHOUSE	44	3	1011.4	-	4.9	0.7	7.8	88	6.4	0	4	4	9	13	1	0	1	0	0	1	3	5	11	10	0	0	0	16	11	4	1	0	8	1	0	8	8	1	2
		9	1012.2	+ 2.7	4.7	0.8	7.5	87	5.3	0	5	10	12	4	0	0	1	1	0	1	2	6	12	6	2	0	1	12	15	3	1	0	5	5	3	10	6	3	2
		15	1012.3	-	6.5	1.2	8.1	83	5.7	0	5	4	19	3	0	0	0	1	0	1	4	17	5	3	0	0	2	11	16	2	0	2	5	5	1	5	8	3	1
		21	1012.1	-	5.4	0.9	7.8	86	5.9	1	5	2	12	10	1	0	2	0	0	0	0	10	13	3	3	0	1	12	15	3	1	2	9	0	2	8	5	1	
6 SCOTLAND W STRATHCLYDE																																								
ABBOTSINCH	9	3	1011.3	-	5.4	0.8	8.0	88	6.5	1	3	1	9	15	2	0	1	1	0	0	3	11	10	4	1	0	1	11	18	1	1	4	8	1	1	8	4	3	2
		9	1012.1	+ 2.6	5.0	0.7	7.8	88	5.9	0	5	4	14	6	2	0	1	0	3	1	1	7	11	5	2	0	1	8	16	6	2	1	8	0	2	7	3	2	1
		15	1012.0	-	6.4	1.1	8.2	84	5.6	0	6	3	15	7	0	0	0	0	1	2	3	9	9	5	2	0	0	14	12	5	0	3	8	1	2	4	5	3	1
		21	1011.8	-	6.0	0.9	8.2	86	6.2	2	1	4	11	13	0	0	1	0	0	1	2	12	9	5	1	0	0	13	17	1	0	1	11	3	2	6	6	1	
GLASGOW WEATHER CENTRE	17 (X)	3	1011.3	-	-	-	-	-	6.6	1	1	4	8	16	1	0	0	1	0	1	0	11	13	5	0	0	0	5	26	0	0	10	5	2	5	3	6	1	0
		9	1012.2	-	5.8	1.2	7.6	81	5.7	0	4	6	13	8	0	0	0	0	0	1	3	5	13	9	0	0	0	2	28	1	1	5	3	5	7	6	1	2	0
		15	1012.1	-	7.2	1.6	7.9	76	5.8	1	5	1	16	8	0	0	0	0	1	0	2	10	11	7	0	0	0	3	27	1	1	6	5	3	6	5	4	3	0
		21	1011.9	-	6.6	1.4	7.9	80	6.1	0	4	5	11	11	0	0	0	0	0	1	1	11	10	8	1	0	0	3	28	0	0	10	4	2	6	6	3	0	
MACHRIHANISH	14	3	1010.3	-	6.5	0.9	8.6	87	6.5	0	4	3	9	15	0	0	0	0	0	0	0	7	14	9	1	2	6	13	10	0	1	0	12	5	0	8	3	2	
		9	1011.3	-	6.4	0.9	8.5	87	5.8	0	4	6	14	7	0	0	0	0	0	0	1	3	16	11	0	1	6	14	10	0	0	2	0	8	8	3	5	3	
		15	1011.0	-	7.5	1.2	8.8	83	6.6	0	2	5	14	10	0	0	0	0	0	0	1	6	16	7	1	1	8	15	7	0	0	2	0	8	9	3	3	3	
		21	1010.6	-	7.2	1.0	8.7	85	6.6	0	1	6	11	13	0	0	0	0	0	0	0	6	4	17	10	0	0	12	16	2	1	1	0	7	8	5	4	1	
PRESTWICK	21	3	1011.3	-	5.5	0.9	7.9	86	6.1	2	2	3	13	11	0	0	0	0	0	0	0	9	11	11	0	0	4	10	15	2	3	1	1	5	7	2	2	4	3
		9	1012.2	+ 2.5	5.1	0.8	7.8	88	6.0	0	4	4	15	8	0	0	0	0	0	0	0	7	14	9	1	0	2	9	17	3	1	2	7	3	2	7	3	4	
		15	1012.2	-	6.9	1.2	8.3	82	5.8	0	4	7	11	9	0	0	0	0	0	0	0	10	14	5	1	0	2	12	17	3	0	2	5	6	9	2	3	4	
		21	1011.9	-	6.3	1.0	8.2	85	6.2	0	5	2	10	14	0	0	0	0	0	0	0	7	19	5	0	0	2	19	8	2	0	2	8	5	4	5	3	2	
RHUVAAL	19	3	1010.6	-	7.1	0.9	8.9	87	6.0	1	5	3	8	14	0	0	0	0	0	0	0	2	6	19	4	4	6	11	10	0	3	1	3	7	6	2	5	3	
		9	1011.2	-	7.1	1.0	8.7	86	6.5	0	3	4	8	16	0	0	0	0	0	0	0	1	8	19	3	5	2	12	12	0	3	1	3	5	6	8	3	3	
		15	1010.7	-	7.6	1.1	8.9	85	6.3	0	0	8	12	11	0	0	0	0	0	0	1	0	9	17	3	2	12	8	9	0	1	2	4	5	10	4	2	3	
		21	1010.3	-	7.5	1.1	8.9	85	6.7	0	2	4	8	17	0	0	0	0	0	0	0	1	0	9	17	3	3	7	15	5	1	1	0	5	6	9	4	1	

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

DECEMBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT								VISIBILITY								WIND SPEED AND DIRECTION									
			AT MSL (MB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS: MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED		0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	BEAUFORT FORCE: 8 OR MORE	6-7	4-5	1-3	CALM		N	NE	E	SE	S	SW	W	NW
										NUMBER OF OBSERVATIONS															SPEED (KT): 34 OR MORE	22-33	11-21	1-10	0								
6 SCOTLAND W-CONTD.																																		
STRATHCLYDE -CONTD.																																		
SLOY	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-		0	0	0	0	0	0	0	8	22	1	0	0	3	24	4	0	0	0	1	1	3	6	8
		9	-	-	5.0	1.0	7.4	84	6.1	0	1	6	16	8	0		0	0	0	0	0	0	1	10	20	0	0	0	1	22	8	1	0	0	1	4	5	4	6
		15	-	-	6.3	1.1	8.0	83	6.5	0	1	6	13	11	0		0	0	0	0	0	0	0	13	18	0	0	0	2	25	4	1	0	0	0	6	5	4	5	6
		21	-	-	6.0	1.0	8.0	84	6.6	0	1	7	4	19	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TIREE	10	3	1009.9	-	7.1	0.9	8.8	86	6.2	2	2	4	8	15	0		0	0	0	0	0	0	0	7	12	10	2	3	11	11	5	1	2	1	2	1	3	6	6	3
		9	1010.7	+ 3.0	6.9	0.9	8.6	86	5.7	0	2	5	5	15	6	1	0	0	0	0	0	0	1	5	9	13	5	3	2	7	17	4	3	4	3	1	3	8	5	2
		15	1010.2	-	7.5	1.1	8.8	84	6.3	0	2	2	5	16	7	1	0	0	0	0	0	0	0	2	13	10	5	3	1	14	13	3	0	1	3	3	6	4	3	2
		21	1009.8	-	7.1	0.9	8.9	87	6.3	2	2	4	8	15	0		0	0	0	0	0	0	0	7	12	9	3	4	12	10	4	1	1	2	3	10	8	2	6	2
DUMFRIES & GALLOWAY																																		
ESKDALEMUIR	237	3	1012.1	-	3.8	0.7	7.4	89	6.4	2	3	3	3	20	0		0	0	0	0	1	5	11	6	6	2	1	2	8	15	5	5	4	3	2	1	7	4	2	1
		9	1013.1	+ 2.2	3.7	0.7	7.2	89	6.3	0	5	4	11	12	0		0	0	1	0	2	1	3	4	11	7	1	0	3	8	16	4	1	2	5	2	9	3	1	2
		15	1013.0	-	4.8	0.8	7.6	87	5.6	1	5	6	7	12	0		0	0	0	2	2	1	3	6	10	7	1	1	5	20	4	1	1	5	2	6	4	3	5	2
		21	1013.0	-	4.2	0.8	7.5	88	5.7	3	3	5	6	13	1		0	0	1	2	1	1	6	8	6	6	1	1	0	15	13	2	1	5	2	4	7	3	5	2
2 ENGLAND E & NE																																		
NORTHUMBERLAND																																		
BOULMER	27	3	1012.2	-	5.6	0.7	8.2	89	6.2	1	5	1	11	12	1		0	0	1	1	0	7	9	4	4	5	0	1	14	16	0	1	0	1	2	4	11	3	7	3
		9	1012.7	-	5.3	0.7	8.1	90	6.1	0	3	4	19	5	0		0	0	0	0	2	3	9	3	6	3	0	3	10	17	2	1	0	0	2	3	9	7	4	3
		15	1013.0	-	6.7	1.0	8.5	85	5.5	0	6	6	16	3	0		0	0	0	0	2	4	5	7	3	3	0	4	11	14	2	1	0	0	3	6	8	6	5	2
		21	1013.1	-	6.0	0.8	8.3	88	5.6	1	3	9	7	10	1		0	1	0	0	0	3	11	3	8	5	0	2	17	11	1	0	0	0	3	6	8	6	5	2
SEAHOUSES	12	3	1011.9	-	-	-	-	-	5.8	1	4	5	8	12	1		0	0	1	1	0	1	12	5	11	0	1	2	14	14	0	2	0	2	2	2	11	6	7	1
		9	1012.1	-	-	-	-	-	5.9	0	5	5	13	7	1		0	0	1	0	1	1	12	5	11	0	1	4	7	19	3	0	2	0	2	1	9	8	7	2
		15	1013.0	-	-	-	-	-	5.9	0	2	9	16	4	0		0	0	0	1	1	3	10	4	13	0	2	2	11	13	3	2	1	0	2	3	8	7	6	4
		21	1012.7	-	-	-	-	-	5.3	1	7	3	11	7	2		0	1	1	1	0	0	12	3	13	0	1	4	8	16	2	1	0	4	2	10	7	4	1	1
TYNE & WEAR																																		
NEWCASTLE	72	3	1012.6	-	5.6	1.0	7.8	85	6.3	2	3	2	7	17	0		0	0	0	1	1	3	11	5	8	2	0	0	7	21	3	1	1	2	4	6	5	6	3
WEATHER CENTRE	(X)	9	1013.4	-	5.8	1.0	7.9	84	6.1	0	3	5	16	7	0		0	0	0	0	2	4	8	7	6	4	0	0	7	22	2	2	0	2	5	8	5	2	2	2
		15	1013.6	-	6.8	1.3	8.1	81	6.1	0	4	6	15	6	0		0	0	0	2	1	8	7	6	5	2	0	0	7	23	1	4	1	0	6	8	7	4	2	2
		21	1013.7	-	6.0	1.0	8.0	84	5.0	2	8	3	7	11	0		0	0	0	0	0	0	0	0	0	0	0	0	8	19	4	1	0	3	5	5	7	4	2	2
TYNEMOUTH	40	3	1012.7	-	6.1	0.8	8.3	87	6.0	2	3	4	9	13	0		0	0	0	0	1	1	6	17	6	0	3	2	13	13	0	2	0	3	1	13	3	9	0
		9	1013.3	+ 2.6	6.2	0.8	8.4	87	6.3	0	1	8	13	9	0		0	0	0	0	1	2	15	7	4	0	1	7	8	15	0	1	0	3	0	12	3	12	9	3
		15	1013.6	-	7.0	1.1	8.5	84	5.9	0	3	7	13	8	0		0	0	0	1	2	7	3	14	4	0	0	6	17	8	0	1	0	2	2	12	2	9	0	1
		21	1013.6	-	6.5	0.9	8.6	87	4.8	5	4	6	8	8	0		0	0	0	1	1	1	9	15	4	0	1	6	13	10	1	2	0	2	3	15	2	5	1	
NORTH YORKSHIRE																																		
LEEMING	33	3	1013.0	-	5.1	0.7	7.9	88	6.4	2	3	1	8	14	3		0	2	1	2	4	3	7	1	8	3	0	2	8	20	1	2	1	1	11	7	3	4	1
		9	1013.9	+ 2.3	5.3	0.8	7.9	88	6.5	0	2	4	17	4	0		0	2	0	2	2	2	8	1	9	5	0	2	7	22	1	1	0	2	10	7	5	5	1	1
		15	1014.0	-	6.7	1.2	8.2	83	6.4	0	2	4	18	6	1		0	0	1	1	2	4	6	4	9	5	0	1	14	15	1	2	0	3	9	7	2	4	1	4
		21	1014.3	-	5.5	0.7	8.2	89	6.2	0	5	3	7	12	4		0	3	0	2	2	4	5	1	9	5	0	1	10	18	2	1	0	4	7	10	1	4	2	
WHITBY C.G.	66	3	1012.8	-	6.2	0.6	8.7	91	5.6	1	3	9	4	13	1		0	0	0	0	1	1	2	13	7	5	3	5	10	11	2	2	0	3	3	11	5	2	3	1
		9	1013.4	-	6.0	0.6	8.6	91	6.6	0	1	4	11	14	1		0	0	0	0	1	0	1	6	10	8	5	2	7	9	12	1	1	0	0	3	4	10	8	6	4
		15	1013.6	-	7.0	0.7	9.0	89	6.5	0	0	7	15	9	0		0	0	0	2	0	3	8	10	7	1	1	6	9	13	2	0	1	0	2	4	13	3	4	2
		21	1013.8	-	6.5	0.6	9.0	92	4.8	3	4	10	5	8	1		0	0	1	1	1	1	7	10	7	3	0	9	11	9	2	1	0	0	2	4	13	3	4	2
HUMBERSIDE																																		
SPURN POINT	20	3	1013.8	-	6.1	0.7	8.5	89	5.0	5	3	7	5	11	0		0	0	0	1	1	3	3	13	10	0	1	7	14	7	2	0	1	2	7	9	4	5	1	1
		9	1014.6	-	5.9	0.8	8.3	88	6.0	0	3	2	9	7	12	1	0	0	1	0	1	2	3	4	8	12	4	0	0	7	16	8	0	0	1	3	8	6	6	1	1
		15	1014.5	-	6.6	0.8	8.7	88	6.2	0	3	5	12	10	1	0	0	0	0	1	2	3	12	11	2	0	0	0	6	12	11	2	1	0	0	3	4	6	5	1	1
		21	1014.9	-	6.4	0.7	8.7	90	4.6	6	6	3	6	10	0	0	0	1	0	0	2	0	8	14	6	0	0	0	7	16	8	0	0	0	0	3	10	7	5	5	1
LINCOLNSHIRE																																		
BINBROOK	112	3	1014.0	-	5.0	0.6	7.9	90	5.7	2	5	3	6	15	0		0	0	0	0	4	3	7	3	6	6	2	1	2	13	14	1	1	0	0	4	6	7	7	3	2
		9	1014.9	-	4.7	0.5	7.9	91	6.1	1	4	3	12	10	1	0	0	0	1	1	1	1	8	4	7	6	2	0	0	17	14	0	0	0	0	4	4	8	6	5	2
		15	1014.7	-	6.0	0.8	8.4	88	6.2	0	3	3	19	6	0	0	0	0	1	0	1	1	6	13	7	2	1	0	1	15	15	0	0	1	0	4	8	8	7	4	2
		21	1015.1	-	5.4	0.5	8.4	92	5.7	1	4	6	9	11	0	0	0	0	1	0	3	9	10	5	2	1	0	0	17	14	0	0	0	0	4	8	6	7	4	2	2
WADDINGTON	70	3	1014.0	-	5.1	0.6	8.0	90	5.9	3	4	1	10	12	1	0	0	1	0	3	4	5	8	8	2	6	4	2	1	0	17	13	0	1	0	7	5	6	9	6	1	2
		9	1015.0	+ 2.3	5.0	0.6	8.0	90	5.9	1	5	4	11	10	0	0	0	0	1	0	1	3	10	6	4	1	1	0	6	12	11	2	0	1	0	6	4	11	7	4	2	2
		15	1014.6	-	6.7	0.9	8.6	87	5.6	2	4	5	12	8	0	0	0	0	1	0	1	3	7	9	6	4	1	0	1	16	14	0	0	1	0	6	5	4	11	8	7	2
		21	1015.1	-	5.6	0.6	8.4	91	5.5	4	3	5	6	13	0	0	0	0	0	1	4	8	6	6	5	1	0	0	14	17	0	0	0	0	10	4	4	7	4	4	2
3 EAST ANGLIA																																		
NORFOLK																																		
COLTISHALL	17	3	1015.0	-	6.3	0.7	8.6	89	6.9	0	2	2	10	16	1	0	0	1	2	1	2	4	9	7	5	4	1	0	3	14	14	0	2	0	0	6	3	8	5	7	1
		9	1015.8	-	6.1	0.7	8.5	89	6.5	0	2	5	13	10	1	0	0	1	0	1	0	2	5	12	5	5	1	0	2	13	15	1	0	0	0	3	3	7	5	6	2
		15	1015.6	-	7.4	1.1	8.8	84	5.9	1	4	2	18	6	0	0	0	1	0	0	1	4	9	9	7	3	1	0	1	14	16	0	1	0	0	3	4	8	6	5	2
		21	1016.0	-	6.4	0.7	8.8	90	6.7	1	1	3	10	14	2	0	0	2	0	0	0	0	10	8	7	3	1	0	0	14	16	0	1	1	0	4	7	6	5	6	1
MARHAM	24	3	1014.6	-	5.7	0.6	8.5	91	6.4	2	0	6	8	14	1	0	0	2	3	1	2	11	6	4	4	2	1	0	17	13	0	1	0	0	7	5	6	7	4	2	3
		9	1015.5	+ 2.3	5.6	0.6	8.4	90	6.5	1	1	6	12	10	1	0	0	0	1	0	2	3	10	6	4	3	0	1	18	12	0	1	0	0	3	7	6	9	6	1	1
		15	1015.3	-	7.3	0.9	9.0	86	6.1	0	5	1	20	5	0	0	0	0	0	1	3	12	7	6	5	1	0	0	16	15	0	0	0	0	3	10	7	6	7	3	3
		21	1015.7	-	6.1	0.5	8.8	92	5.5	2	6	4	5	13	1	0	0	1	1	0	1	3	15	4	5	1	0	0	14	16	0	0	0	0	3	10	7	4	4	3	3
CAMBRIDGESHIRE																																		
WITTERING	76	3	1014.6	-	5.3	0.6	8.2	91	6.2	1	2	6	7	12	3	0	0	2	1	2	1	3	8	8	1	5	3	1	2	12	16	0	1	1	0	6	3	7	4	6	3
		9	1015.7	+ 2.6	5.1	0.5	8.2	92	5.6	0	6	7	8	7	3	0	0	1	2	2	1	3	5	8	2	9	1	0	1	16	13	1	0	1	0	5	8	3	7	8	2
		15	1015.2	-	7.2	0.8	9.0	88	6.0	1	4	3	14	9	0	0	0	1	0	2	1	4	12	3	6	5	3	0	2	15	14	0	0	1	1	4	9	4	4	7	2
		21	1015.6	-	5.6	0.5	8.6	92	6.2	1	2	8	4	15	1	0	0	1	0	1	3	6	7	6	5	2	0	0	1	12	18	0	0	1	1	4	9	4	4	7	1
WYTON	43	3	1014.7	-	5.7	0.5	8.6	93	5.9	3	3	4	6	13	2	0	0	3	0	1	3	5	8	2	7	2	2	1	1	10	19	0	1	1	0	4	5	7	4	8	2
		9	1015.8	-	5.6	0.5	8.5	92	6.0	0	4	4	16	7	0	0	0	1	0	1	2	3	8	7	5	2	0	0	1	8	23	0	0	0	0	6	4	5	6	10	1
		15	1015.4	-	7.6	0.8	9.3	88	6.1	1	4	2	15	9	0	0	0	1	0	1	0	3	10	6	8	2	0	0	1	13	17	0	0	0	0	4	5	6	8	5	3
		21	1015.6	-	6.3	0.6	8.9	91	6.0	1	6	1	9	14	0	0	0	1	0	1	0	6	12	5	5	1	0	0	1	14	16	0	0	0	0	4	9	6	5	5	2
SUFFOLK																																		
ALDEBURGH	9	9	1016.6	-	-	-	-	-	6.2	1	0	9	8	13	0		0	0	0	1	0	0	3	13	12	0	2	0	7	8	14	2	1	0	3	6	4	5	8	2
		15	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1016.7	-	-	-	-	-	5.5	8	0	2	3	18	0	0	0	0	1	0	0	1	16	13	0	0	0	6	14	10	1	0	0	3	10	2	6	7	2	-
HONINGTON	51	3	1015.1	-	5.8	0.6	8.5	91	6.5	1	1	5	10	14	0	0	0	0	1	0	0	3	1	10	6	7	5	2	1	0	1	12	18	0	1	1	0	7	8	4	6	8
		9	1016.0	-	5.5	0.6	8.3	91	6.1	0	4	3	15	8	1	0	0	0	0	0	0	4	2	13	11	7	5	1	1	0	1	12	18	0	1	0	0	7	8	3	2	7
		15	1015.7	-	7.2	1.0	8.8	85	6.3	1	3	2	16	9	0	0	0	1	0	0	0	2	11	8	3	5	1	1	0	2	14	15	0	0	0	0	4	8	7	6	4	6
		21	1016.1	-	6.3	0.7	8.7	90	6.5	2	1	5	5	17	1	0	0	1	0	0	0	2	11	8	3	3	2	1	0	2	18	10	0	1	1	0	7	5	7	7	3	2
WATTISHAM	91	3	1015.2	-	5.6	0.6	8.3	90	6.6	2	0	5	6	16	2	0	1	2	1	3	1	7	5	6	6	3	2	1	0	3	17	10	1	1	0	0	7	6	4	7	4	3
		9	1016.0	-	5.3	0.6	8.1	90	5.9	0	3	9	10	8	1	0	0	1	1	0	2	3	6	8	9	4	2	1	0	3	15	12	1	0	0	0	7	6	8	5	6	4
		15	1015.8	-	6.9	0.9	8.7	86	6.0	1	4	3	15	7	1	0	0	1	0	1	3	6	10	6	9	3	1	0	3	17	11	0	0	0	0	7	6	8	6	4	3	1
		21	1016.2	-	6.1	0.6	8.6	90	6.4	2	3	1	8	16	1	0	0	1	0	1	0	3	6	10	6	3	1	0	3	15	11	0	0	0	0	6	8	6	4	3	1	
BEDFORDSHIRE																																		
CARDINGTON	30	3	1014.9	-	5.8	0.5	8.8	93	6.5	3	1	1	11	14	1	0	1	0	2	0	1	3	3	11	8	5	0	0	1	0	11	19	0	0	0	2	7	2	4	9	5	2
		9	1015.9	+ 2.1	5.6	0.4	8.7	93	6.2	1	3	4	13	10	0	0	0	0	0	0	2	0	3	12	8	4	1	0	1	9	21	0	1	0	0	3	8	6	6	10	4	3
		15	1015.3	-	7.7	0.8	9.4	88	6.2	0	3	5	11	12	0	0	0	1	0	0	0	6	5	10	11	10	4	0	0	1	13	16	1	0	0	0	5	3	5	7	4	2
		21	1015.7	-	6.2	0.5	9.0	93	6.1	3	1	4	9	14	0	0	0	0	0	0	0	5	11	10	4	0	0	0	1	15	16	0	0	0	0	3	9	5	3	6	2	2

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

DECEMBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: DEPRESSION OF WET BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: VAPOUR PRESSURE (MB)	MEAN TEMPERATURE AND HUMIDITY: RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																																
3 EAST ANGLIA -CONTD.																																									
ESSEX																																									
SHOEBURYNESS	5	9	1016.7	+ 2.6	6.4	0.7	8.6	89	5.6	0	6	5	14	5	1	0	1	0	0	2	3	5	11	6	3	0	1	12	18	0	1	1	1	6	5	8	6	3
		15	1016.2	-	7.6	0.9	9.2	87	6.3	1	2	3	19	6	0	0	0	1	0	0	3	8	8	10	1	0	0	16	15	0	0	0	2	2	8	5	7	5	2
		21	1016.5	-	7.1	0.7	9.1	89	5.4	3	5	4	8	11	0	0	0	0	0	1	3	10	7	10	0	0	1	17	13	0	0	0	4	8	8	3	7	1
STANSTED	102	3	1015.1	-	5.8	0.6	8.6	92	6.2	4	1	1	12	11	2	0	1	1	2	1	7	6	7	4	2	0	1	14	16	0	1	0	2	8	4	8	5	3
		9	1016.1	+ 2.2	5.4	0.5	8.4	92	6.3	0	4	1	18	7	1	0	0	2	1	2	4	8	7	4	3	0	1	9	21	0	1	0	2	5	7	8	9	4	3
		15	1015.7	-	7.1	0.9	8.9	86	6.2	2	2	3	13	10	1	0	1	0	0	1	3	6	7	6	3	0	0	12	18	1	0	0	2	9	6	8	5	2
		21	1016.0	-	6.1	0.6	8.8	91	6.5	1	1	5	11	12	1	0	0	1	1	3	5	11	5	5	0	0	0	14	17	0	0	0	2	11	4	5	6	3
4 MIDLAND COUNTIES																																									
WEST YORKSHIRE																																									
HUDDERSFIELD	235	3	1012.9	-	3.9	0.4	7.6	93	7.1	2	1	1	2	24	1	1	1	2	3	0	4	8	7	5	0	2	2	7	14	6	0	1	1	4	7	5	3	4
OAKES		9	1014.4	-	4.2	0.4	7.8	93	6.9	0	0	4	10	16	1	1	0	1	2	0	4	13	5	5	0	0	2	5	19	5	0	0	2	8	5	5	4	2
		15	1014.3	-	5.5	0.8	8.1	88	6.5	0	1	6	11	12	1	0	1	1	2	0	2	9	7	9	0	0	2	5	22	2	2	1	1	3	9	8	4	1
		21	1014.4	-	5.0	0.6	8.0	91	6.7	0	2	1	13	14	1	0	1	2	2	0	1	9	6	10	0	0	3	7	17	4	2	1	0	5	9	5	4	1
WILSDEN	267	3	1013.3	-	4.2	0.5	7.7	92	6.8	1	2	3	4	16	5	0	3	2	0	3	2	9	12	0	0	0	2	15	13	1	2	0	3	7	5	3	8	2
		9	1014.4	-	4.0	0.4	7.7	93	6.8	0	0	5	10	13	3	0	2	1	0	4	2	9	12	1	0	0	2	12	13	4	0	1	7	3	2	4	8	2
		15	1014.3	-	5.2	0.6	8.1	90	6.2	0	2	9	4	12	4	0	2	2	1	3	5	5	10	3	0	0	2	13	14	2	0	1	8	2	6	3	8	1
		21	1014.5	-	4.6	0.5	8.0	92	6.2	0	5	4	5	13	4	0	2	2	0	1	6	9	11	0	0	0	3	9	18	1	0	0	4	8	7	3	6	2
SOUTH YORKSHIRE																																									
FINNINGLEY	15	3	1013.3	-	5.1	0.7	8.0	90	6.5	0	3	4	8	15	1	0	1	1	2	3	2	10	1	10	1	1	1	7	21	1	1	0	8	2	7	5	5	2
		9	1014.4	+ 2.1	4.9	0.6	7.9	90	6.0	0	4	5	13	8	1	0	1	0	1	2	5	10	3	7	2	0	1	5	25	0	2	0	7	4	8	4	5	1
		15	1014.2	-	6.9	1.0	8.6	85	5.9	0	5	4	14	8	0	0	0	0	2	1	4	10	11	2	1	0	0	5	26	0	1	0	4	9	6	4	5	2
		21	1014.5	-	5.4	0.6	8.3	90	5.2	4	3	6	9	9	0	0	1	1	2	3	4	9	3	7	1	0	1	9	19	2	0	3	4	6	7	3	4	2
NOTTINGHAMSHIRE																																									
WATNALL	119	3	1014.1	-	5.1	0.5	8.2	93	6.8	2	1	2	8	17	1	0	1	1	4	1	9	5	5	5	0	0	2	9	18	2	2	1	8	2	6	5	4	1
		9	1015.2	+ 2.5	4.9	0.5	8.1	92	6.2	0	5	4	12	8	2	0	2	0	1	3	10	7	4	4	0	0	0	8	22	1	0	1	9	0	7	10	2	1
		15	1014.8	-	6.6	0.8	8.8	88	6.1	0	4	5	12	8	2	0	2	0	1	2	5	13	2	5	1	0	0	9	22	0	0	0	9	2	7	9	3	1
		21	1015.2	-	5.7	0.6	8.4	90	5.9	4	1	4	8	14	0	0	0	0	3	3	7	10	5	3	0	0	0	7	23	1	0	2	7	4	6	6	3	2
SALOP																																									
SHAWBURY	76	3	1013.5	-	5.4	0.6	8.2	91	6.5	0	3	6	3	19	0	0	0	1	1	6	6	2	1	14	0	0	2	6	23	0	3	0	6	3	8	7	3	1
		9	1014.6	+ 1.7	5.3	0.7	8.1	90	6.4	0	2	6	15	8	0	0	0	1	2	1	7	5	4	10	1	0	0	8	23	0	3	0	6	5	9	3	4	1
		15	1014.1	-	7.1	0.9	8.9	87	6.5	0	1	5	16	9	0	0	0	0	3	1	4	7	4	11	1	0	0	9	19	2	1	0	4	6	6	4	8	0
		21	1014.3	-	6.0	0.6	8.6	90	6.7	0	2	4	11	13	1	0	1	0	1	5	4	5	4	11	0	0	1	9	20	1	1	0	7	8	6	1	4	3
WEST MIDLANDS																																									
EDGBASTON	165	9	1015.1	+ 1.7	5.2	0.7	8.0	88	6.8	0	1	3	16	10	1	0	1	0	5	0	5	13	2	4	1	0	0	6	25	0	3	0	4	4	11	6	2	1
		15	1014.6	-	6.8	1.0	8.5	85	6.5	0	1	4	16	10	0	0	0	1	1	1	2	15	6	5	0	0	0	9	22	0	2	1	3	5	10	2	7	1
		21	1014.8	-	5.8	0.8	8.3	88	6.1	1	3	4	10	13	0	0	0	0	3	0	0	14	9	4	1	0	0	10	21	0	2	1	3	7	8	2	7	1
ELMDON	100	3	1014.0	-	5.6	0.7	8.2	89	6.6	2	2	1	9	16	1	0	0	0	3	2	4	9	9	3	1	0	0	2	7	19	3	1	0	4	6	6	6	4	1
		9	1015.0	+ 1.7	5.3	0.7	8.1	89	6.3	0	3	4	14	9	1	0	0	1	0	1	5	14	5	5	0	0	0	10	21	0	2	0	4	7	7	7	2	3
		15	1014.5	-	7.1	1.0	8.7	85	6.5	0	2	4	16	9	0	0	0	0	2	2	2	10	11	5	1	0	0	10	18	0	1	1	5	6	5	6	4	3
		21	1014.8	-	5.8	0.8	8.2	88	5.9	1	4	5	8	12	1	0	1	0	1	1	7	7	9	4	1	0	0	11	18	2	1	1	2	10	4	5	3	3
HEREFORD & WORCESTER																																									
PERSHORE																																									
					REPORTS TERMINATED																																				
GLOUCESTER																																									
INNSWORTH	24	3	1014.3	-	6.5	0.6	8.9	91	6.3	1	0	7	8	15	0	0	0	0	1	0	3	14	4	9	0	0	1	7	22	1	3	1	5	5	8	6	2	0
		9	1015.2	-	6.4	0.7	8.8	90	6.2	0	4	3	15	9	0	0	0	0	2	1	2	16	3	6	1	0	0	11	18	2	2	0	7	2	11	5	1	2
		15	1014.7	-	8.3	1.1	9.5	85	6.5	0	0	6	20	5	0	0	0	0	0	0	4	14	4	7	2	0	0	10	20	1	1	0	8	2	9	5	3	2
		21	1014.8	-	6.7	0.6	9.1	90	5.8	1	6	2	10	12	0	0	0	0	0	2	4	10	11	4	0	0	0	5	25	1	1	1	6	6	8	4	3	1
OXFORDSHIRE																																									
BENSON	74	3	1015.0	-	6.2	0.7	8.5	89	5.6	2	5	4	8	12	0	0	0	0	1	2	2	10	4	11	1	0	2	9	19	1	2	0	7	2	8	6	4	1
		9	1016.0	-	5.8	0.6	8.5	90	6.6	0	1	4	17	9	0	0	0	0	1	2	4	9	5	7	3	0	0	7	21	3	1	1	8	1	12	1	2	2
		15	1015.4	-	7.9	1.2	9.1	83	6.5	0	2	3	18	8	0	0	0	0	0	1	4	8	6	9	3	0	0	10	19	2	0	2	6	7	3	7	1	2
		21	1015.5	-	6.6	0.8	8.8	89	6.1	2	2	5	8	14	0	0	0	1	0	0	4	10	11	2	3	0	1	12	14	4	0	2	6	7	3	3	4	2
BRIZE NORTON	92	3	1014.9	-	5.6	0.7	8.3	89	6.0	4	2	2	8	15	0	0	1	1	1	3	6	4	5	10	0	1	0	10	19	1	0	2	10	0	4	8	4	2
		9	1015.8	-	5.4	0.6	8.3	91	6.5	0	3	2	17	9	0	0	0	2	1	3	3	8	6	8	1	0	1	12	16	2	0	1	9	2	4	9	2	2
		15	1015.2	-	7.4	1.0	9.0	85	6.4	0	3	4	13	11	0	0	0	0	1	5	6	9	9	1	0	1	0	12	17	1	1	2	8	2	5	6	5	1
		21	1015.4	-	5.8	0.7	8.5	90	5.5	3	3	7	5	13	0	0	1	0	1	0	8	7	5	8	1	0	1	11	17	2	0	3	8	4	3	3	6	2
5 ENGLAND SE & CENT. S.																																									
GREATER LONDON																																									
HEATHROW	26	3	1015.3	-	6.4	0.6	8.9	91	6.2	2	3	2	12	11	1	0	1	0	0	0	4	12	7	7	0	0	1	11	19	0	0	2	9	0	8	3	7	2
		9	1016.4	+ 2.3	6.1	0.5	8.8	92	5.8	0	5	5	11	9	1	0	1	0	1	1	6	10	4	7	1	0	0	6	24	1	0	1	7	5	7	5	3	2
		15	1015.9	-	8.0	1.0	9.4	86	6.5	0	2	4	15	9	1	0	1	0	0	0	5	11	7	6	1	0	0	12	18	1	0	0	9	2	7	3	8	1
		21	1016.0	-	6.9	0.7	9.2	90	5.9	2	3	3	12	10	1	0	1	0	0	1	6	11	6	6	0	0	1	9	21	0	0	2	10	2	6	4	6	1
KEW	10	3	1015.1	-	6.7	1.1	8.6	86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1016.2	+ 2.0	5.9	0.8	8.4	88	5.9	0	7	2	11	10	1	0	1	1	1	2	4	8	7	6	1	0	0	5	24	2	0	1	8	1	8	8	1	2
		15	1015.7	-	7.9	1.4	8.9	82	6.7	0	2	3	15	10	1	0	1	0	0	1	4	9	7	8	1	0	0	10	19	2	0	1	6	3	7	8	3	1
		21	1015.8	-	7.3	1.1	8.8	85	5.8	2	4	4	11	9	1	0	1	0	0	0	4	10	7	9	0	0	1	6	24	0	0	0	10	4	4	5	7	1
LONDON	24	3	1015.3	-	7.3	1.2	8.6	83	6.2	4	1	2	11	13	0	0	0	0	1	2	0	5	8	7	10	0	0	1	12	18	0	0	2	6	2	6	6	7	2
WEATHER CENTRE (X)		9	1016.4	-	7.0	1.2	8.4	83	5.8	0	6	2	15	8	0	0	0	0	1	2	2	6	6	6	10	0	0	1	16	14	0	0	1	7	3	5	9	4	2
		15	1015.8	-	8.6	1.6	8.8	78	6.5	0	1	5	16	9	0	0	0	0	0	2	4	10	8	7	0	0	1	13	15	2	0	1	8	0	7	9	3	1
		21	1016.0	-	7.9	1.3	8.8	81	6.0	4	2	0	13	11	1	0	0	0	1	1	3	9	10	7	0	0	1	12	17	1	0	2	7	3	5	3	9	1
WILTSHIRE																																									
BOSCOMBE DOWN	128	3	1015.0	-	5.4	0.5	8.4	92	5.9	3	3	1	13	11	0	0	0	2	1	0	5	8	7	6	1	0	1	15	14	1	0	2	7	5	5	3	6	2
		9	1015.8	+ 1.2	5.5	0.5	8.5	93	6.7	0	1	4	16	10	0	0	1	4	0	0	5	13	2	6	0	0	0	14	15	2	0	0	9	2	8	4	4	2
		15	1015.1	-	7.6	0.9	9.3	87	6.4	1	1	6	10	13	0	0	0	0	0	1	4	9	8	7	2	0	0	1	18	11	1	0	0	8	3	7	4	6	2
		21	1015.3	-	6.3	0.5	9.0	92	6.4	2	2	3	8	16	0	0	0	1	2	0	7	9	5	6	1	0	0	1	12	16	2	0	1	9	6	3	4	4	2
LYNEHAM	149	3	1014.8	-	5.5	0.6	8.4	91	6.3	0	4	3	10	14	0	0	1	0	2	3	6	9	4	7	1	1	1	12	17	0	0	4	5	4	4	9	4	1
		9	1015.7	+ 1.5	5.3	0.5	8.4	92	6.4	0	3	2	15	11	0	0	0	1	2	3	5	10	3	7	0	0	0	12	18	1	0	2	8	2	6	9	1	2
		15	1015.0	-	7.2	0.9	9.0	87	6.6	0	2	3	16	10	0	0	0	1	1	3	2	8	11	4	2	0	0	0	15	14	2	0	0	5	6	8	6	3	1
		21	1015.1	-	6.1	0.6	8.7	91	6.0	1	5	4	4	17	0	0	0	0	1	4	3	11	4	6	2	0	1	10	20	0	1	0	9	5	6	5	4	1
UPAVON	183	9	1015.6	-	5.1	0.3	8.6	96	6.7	1	0	4	13	9	4	0	3	3	2	2	4	7	5	3	2	0	1	9	19	2	0	1	6	3	11	2	3	3
		15	1015.2	-	7.1	0.6	9.3	90	6.6	0	3	1	15	12	0	0	1	1	1	2	3	7	13	3	2	0	1	15	13	2	1	0	5	5	7	3	7	4
		21	1015.3	-	5.8	0.4	8.9	94	6.1	3	3	2	6	15	2	0	1	1	2	2	3	8	8	5	1	0	1	11	16	3	0	2	6	7	3	2	4	4

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

DECEMBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	DEPRESSION OF WET BULB DEGREES C	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: 0 - 39M	40 - 199M	200 - 399M	400 - 999M	1000 - 1999M	2000 - 3999M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT) 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
									NUMBER OF OBSERVATIONS																																	
5 ENGLAND SE & CENT. S.			-CONTD.																																						
KENT																																									
DUNGENESS	7	3	1015.9	-	-	-	-	-	5.6	4	2	5	5	14	1	1	1	0	0	0	0	8	11	10	0	2	3	15	11	0	1	0	3	5	7	4	9	2
		9	1016.9	-	7.1	0.8	9.1	88	5.9	0	4	5	12	10	0	0	0	0	1	1	0	8	14	6	1	0	6	13	11	1	0	2	1	6	6	6	5	4
		15	1016.6	-	-	-	-	-	6.4	0	1	7	13	10	0	0	0	0	0	0	1	8	16	6	0	0	4	19	5	3	0	0	2	7	5	5	7	2
		21	1016.7	-	-	-	-	-	5.3	3	5	5	5	13	0	0	0	0	0	0	1	11	8	11	0	0	10	12	9	0	0	0	2	6	11	2	9	1
MANSTON	45	3	1015.7	-	6.8	0.7	9.0	90	6.0	4	2	1	9	14	1	0	0	1	1	2	1	9	9	8	0	1	2	14	14	0	1	0	5	3	8	6	5	3
		9	1016.8	-	6.2	0.7	8.6	90	5.5	0	7	2	17	4	1	0	1	0	0	0	3	13	7	7	0	0	3	12	15	1	0	0	2	6	9	6	3	4
		15	1016.4	-	7.4	1.0	9.1	86	5.7	1	4	5	16	5	0	0	0	0	0	2	5	8	8	7	1	0	0	18	12	1	1	0	3	6	7	7	3	3
		21	1016.8	-	6.8	0.7	9.0	90	5.8	3	3	4	7	14	0	0	0	0	0	2	4	12	5	8	0	0	0	17	14	0	0	1	3	9	7	4	5	2
HAMPSHIRE																																									
SOUTHAMPTON	9	3	1015.0	-	7.3	0.8	9.1	88	6.2	2	0	6	15	7	1	0	1	0	1	0	2	7	12	8	0	0	1	5	24	1	0	2	7	2	5	3	10	1
WEATHER CENTRE (X)		9	1016.1	-	7.2	0.7	9.2	89	6.4	0	2	3	16	9	1	0	1	1	0	0	6	5	11	6	0	0	0	5	24	2	0	3	7	2	6	5	5	1
		15	1015.5	-	9.2	1.3	9.7	82	6.5	0	2	5	12	12	0	0	0	0	0	0	5	8	9	9	0	0	0	10	20	1	0	1	9	0	7	3	7	3
		21	1015.6	-	8.0	0.9	9.5	87	5.8	4	4	0	8	14	1	0	0	1	0	0	1	13	8	8	0	0	0	8	23	0	0	1	9	4	5	2	9	1
WEST SUSSEX																																									
GATWICK	60	3	1015.5	-	6.1	0.6	8.8	92	6.5	3	1	2	10	13	2	0	0	1	1	2	4	14	4	5	0	1	0	10	20	0	0	1	8	1	5	8	4	4
		9	1016.4	+ 1.9	5.7	0.5	8.7	93	6.1	0	4	3	14	8	2	0	2	0	1	0	9	8	6	3	2	0	0	9	21	1	0	1	10	0	4	10	3	2
		15	1015.9	-	7.6	0.9	9.2	87	6.6	0	2	1	19	9	0	0	0	0	2	1	1	15	7	5	0	0	0	14	15	2	0	1	6	3	6	8	3	2
		21	1016.0	-	6.6	0.6	9.0	91	6.1	1	5	2	7	15	1	0	0	0	1	4	7	9	4	5	1	0	1	8	22	0	0	2	7	4	5	4	8	1
EAST SUSSEX																																									
HERSTMONCEUX	28	3	1016.5	-	6.5	0.5	9.1	93	6.3	0	5	2	9	13	2	0	1	0	1	1	3	10	9	6	0	1	1	9	18	2	1	2	7	1	5	6	5	2
		9	1017.5	-	6.2	0.4	9.0	93	5.7	0	5	5	10	11	0	0	0	0	2	1	6	5	11	5	1	0	2	5	22	2	1	3	6	2	7	3	6	1
		15	1017.1	-	8.0	0.8	9.7	88	6.2	1	3	3	16	8	0	0	0	0	0	0	2	9	13	5	2	0	3	8	19	1	0	1	7	2	5	7	6	2
		21	1017.2	-	7.0	0.6	9.3	91	5.4	3	5	3	8	12	0	0	0	0	1	0	7	6	7	10	0	1	2	6	18	4	2	2	5	4	6	2	6	0
7A ENGLAND NW & I.O.M.																																									
CUMBRIA																																									
CARLISLE	28	3	1011.9	-	5.5	0.8	8.1	88	5.8	2	4	4	9	12	0	0	0	0	0	0	3	12	11	5	0	0	0	12	18	1	0	1	5	7	3	5	6	3
		9	1013.0	+ 2.2	5.0	0.5	8.1	91	5.8	0	5	5	18	3	0	0	0	0	0	0	3	9	12	7	0	0	0	11	19	1	1	1	7	5	2	1	10	3
		15	1013.0	-	6.8	0.9	8.7	86	5.7	2	3	5	13	8	0	0	0	0	1	1	1	7	14	5	2	0	0	11	18	2	1	0	6	4	5	0	9	4
		21	1013.0	-	5.9	0.8	8.3	87	5.7	2	4	4	11	10	0	0	0	0	0	0	3	11	12	5	0	0	1	9	21	0	0	0	7	6	3	7	8	0
LANCASHIRE																																									
SQUIRES GATE	11	3	1012.4	-	5.7	0.4	8.7	94	6.5	0	4	3	6	16	2	0	0	1	2	1	3	11	6	7	0	0	3	15	13	0	1	1	6	8	3	7	3	2
		9	1013.6	+ 1.8	5.7	0.4	8.6	93	5.9	0	6	1	18	6	0	0	0	0	0	4	3	10	7	6	1	0	3	17	11	0	1	1	5	9	4	4	3	1
		15	1013.4	-	6.8	0.6	9.1	91	6.3	1	3	2	14	11	0	0	0	0	1	1	4	10	9	6	0	0	1	19	9	2	2	1	7	7	3	3	5	1
		21	1013.5	-	6.0	0.5	8.8	93	6.3	1	3	4	9	13	1	0	0	0	2	0	8	9	6	6	0	0	1	21	9	0	1	0	7	10	2	6	3	2
MERSEYSIDE																																									
SPEKE					REPORTS TERMINATED																																				
GREATER MANCHESTER																																									
MANCHESTER	42	3	1013.1	-	6.3	1.2	7.9	82	6.4	1	2	5	9	13	1	0	1	0	0	1	1	11	12	5	0	0	1	5	25	0	2	2	6	4	6	8	2	1
WEATHER CENTRE (X)		9	1014.4	-	6.3	1.2	8.0	82	6.4	0	4	2	14	11	0	0	0	0	0	1	0	1	13	11	5	0	0	1	3	27	0	2	1	7	4	7	3	0
		15	1013.9	-	7.7	1.5	8.4	78	6.3	0	3	3	15	10	0	0	0	0	1	1	2	12	11	5	0	0	0	8	23	0	2	1	4	5	8	5	4	1
		21	1014.2	-	7.0	1.4	8.1	79	5.4	3	5	4	9	10	0	0	0	0	0	2	2	6	18	3	0	0	0	7	22	2	1	1	6	6	5	3	5	2
RINGWAY	84	3	1013.4	-	5.7	0.8	8.2	88	6.0	1	6	2	8	13	1	0	1	0	1	1	1	11	2	13	1	0	0	2	10	19	0	1	0	7	3	12	3	3	2
		9	1014.6	+ 2.2	5.6	0.8	8.1	87	6.0	0	4	4	16	7	0	0	0	0	0	2	6	8	8	7	0	0	0	11	20	0	0	2	4	3	10	1	3	2
		15	1014.2	-	7.3	1.1	8.7	84	6.2	1	3	2	16	9	0	0	0	0	0	2	4	14	7	3	1	0	0	12	18	1	2	1	5	4	10	1	5	2
		21	1014.4	-	6.4	0.9	8.4	86	5.9	1	3	6	9	12	0	0	0	0	0	1	5	12	5	8	0	0	1	14	15	1	0	3	6	5	8	1	6	1
ISLE OF MAN																																									
POINT OF AYRE	9	3	1011.6	-	6.9	0.7	9.0	90	5.8	2	2	8	4	15	0	0	0	0	0	0	3	1	12	8	7	1	8	18	4	0	1	3	2	10	2	5	6	2
		9	1012.7	+ 2.3	7.0	0.6	9.2	91	6.9	0	1	5	6	19	0	0	0	0	0	0	1	4	11	11	4	0	11	14	6	0	1	1	3	9	3	5	5	4
		15	1012.6	-	7.6	0.8	9.3	88	6.7	0	0	7	9	15	0	0	0	0	0	0	1	4	12	11	3	0	10	15	6	0	2	2	3	9	5	3	5	2
		21	1012.5	-	7.4	0.9	9.1	87	7.2	0	1	5	2	23	0	0	0	0	0	1	0	2	14	7	7	1	12	12	5	1	3	0	3	9	6	4	3	2
RONALDSWAY	21	3	1011.5	-	6.6	0.9	8.6	87	6.3	0	5	3	11	12	0	0	0	0	0	0	1	11	8	7	4	0	6	18	7	0	2	2	6	4	4	5	4	3
		9	1012.7	+ 1.6	7.0	0.8	8.9	88	6.5	0	3	2	15	11	0	0	0	0	0	0	3	7	11	8	2	0	10	11	10	0	2	2	6	3	4	4	7	3
		15	1012.4	-	7.5	1.0	9.1	86	6.7	0	1	3	17	10	0	0	0	0	0	1	3	9	8	7	3	0	7	15	9	0	2	1	6	6	5	3	6	2
		21	1012.3	-	7.3	1.0	8.8	85	6.8	0	1	3	14	13	0	0	0	0	0	0	2	12	7	6	4	0	10	14	7	0	2	0	6	9	3	3	8	0
7B WALES N																																									
GWYNEDD																																									
BARDSEY ISLAND	19	3	1012.3	-	8.4	0.8	9.8	89	5.8	4	3	3	4	17	0	0	0	0	0	0	0	5	23	3	0	2	9	14	5	1	3	2	7	5	3	2	1	1
		9	1013.1	-	8.2	0.8	9.8	89	6.4	0	0	8	12	10	1	0	1	0	0	0	0	2	23	5	0	1	12	12	5	1	2	3	5	3	7	1	7	2
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1012.8	-	8.5	0.9	9.8	87	6.6	0	2	6	6	17	0	0	0	0	0	0	0	3	24	4	0	2	11	11	6	1	3	2	6	5	5	3	4	2
VALLEY	11	3	1012.0	-	6.9	0.9	8.8	87	6.0	1	3	7	7	13	0	0	0	0	0	0	0	9	10	11	1	1	3	15	12	0	1	4	5	2	7	5	6	1
		9	1012.9	+ 1.2	7.3	0.9	9.0	87	6.5	0	2	3	17	9	0	0	0	0	0	1	0	6	12	8	4	0	4	18	9	0	2	4	4	2	10	4	3	2
		15	1012.4	-	8.2	1.2	9.1	83	6.5	0	1	5	18	7	0	0	0	0	0	0	2	8	4	12	5	0	6	15	10	0	1	3	4	3	10	3	3	2
		21	1012.5	-	7.3	1.0	8.9	86	6.2	1	3	5	9	13	0	0	0	0	0	1	0	9	8	13	0	1	3	16	11	0	2	2	9	5	4	1	6	2
8A WALES S																																									
DYFED																																									
ABERPORTH	134	3	1013.0	-	6.7	0.7	8.9	89	6.0	2	4	3	8	14	0	0	0	0	0	0	2	6	18	3	2	1	5	14	11	0	1	1	4	5	9	5	3	3
		9	1013.7	+ 0.8	6.5	0.8	8.6	87	5.9	0	2	8	13	8	0	0	0	0	1	0	0	5	18	5	2	0	6	16	9	0	1	0	3	9	9	2	4	3
		15	1013.0	-	7.8	1.1	9.0	84	6.8	0	1	3	17	9	1	0	1	0	0	0	0	6	15	8	1	1	8	15	7	0	1	0	3	7	10	3	4	3
		21	1012.9	-	7.0	0.8	8.9	88	5.3	2	7	2	9	11	0	0	0	1	0	0	1	7	12	8	2	2	7	17	5	0	3	0	1	12	8	2	3	2
BRAWDY	116	3	1012.9	-	6.8	0.7	9.0	90	6.5	2	0	5	10	14	0	0	0	1	0	0	0	2	7	13	8	0	0	3	20	8	0	1	0	3	10	3	5	3
		9	1013.5	-	6.9	0.6	9.1	90	6.6	0	0	7	13	11	0	0	0	1	0	0	4	10	10	6	0	0	6	13	12	0	1	1	4	9	3	5	3	3
		15	1012.9	-	7.7	0.8	9.4	88	6.4	0	3	2	17	9	0	0	0	0	1	1	2	12	6	8	1	0	4	20	7	0	2	0	1	12	5	4	3	3
		21	1012.8	-	7.2	0.6	9.3	91	6.5	1	1	5	9	15	0	0	0	0	0	2	1	9	13	6	0	0	8	14	9	0	3	0	4	11	2	5	3	3
BRYNAMMAN	-	9	-	-	6.1	0.6	8.7	90	6.6	0	3	3	10	15	0	1	0	0	0	0	5	7	9	7	2	0	0	3	24	4	0	2	2	6	2	4	7	4
		15	-	-	7.5	1.0	9.0	86	7.0	0	2	1	13	15	0	0	0	0	0	2	0	4	15	9	5	0	0	3	26	2	1	1	3	7	5	2	3	3
		21	-	-	6.4	0.7	8.8	90	6.5	1	4	1	7	18	0	0	0	0	0	0	4	23	2	2	0	0	1	3	20	7	0	0	3	9	3	3	3	3
MILFORD HAVEN	39	3	1012.8	-	8.1	0.5	10.1	93	6.3	0	1	6	13	11	0	0	0	0	0	1	0	12	14	4	0	0	2	16	11	2	0	1	6	6	1	7	5	3
C.B.		9	1013.3	+ 0.1	8.2	0.5	10.2	93	6.5	0	0	11	7	12	1	0	0	0	0	0	1	12	16	1	0	0	3	16	11	1	3	0	8	4	3	6	3	2
		15	1013.0	-	9.0	0.6	10.6	92	6.4	0	1	7	12	11	0	0	0	0	0	0	2	10	16	3	0	0	2	20	9	0	2	0	4	13	6	7	3	2
		21	1012.8	-	8.5	0.5	10.3	93	6.5	0	2	4	11	14	0	0	0	0	0	0	0	13	17	1	0	0	2	18	10	1	2	0	8	6	2	6	2	4
WEST GLAMORGAN																																									
MUMBLES HEAD	37	3	1013.8	-	7.4	0.5	9.7	93	6.0	3	1	5	7	15	0	0	0	0	0	0	0	8	11	10	2	3	6	15	7	0	1	1	10	1	2	5	10	1
		9	1014.5	-	7.4	0.5	9.7	93	6.5	0	2	5	12	12	0	0	0	0	0	0	1	16	5	7	2	2	7	16	5	1	1	3	7	3	4	-	7	1
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	1014.1	-	7.7	0.4	9.9	94	5.9	3	2	4	7	15	0	0	0	0	0	1	0	9	7	12	2	2	8	13	7	1	2	1	11	3	2	3	7	1

TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

DECEMBER 1977

DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (METRES)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE: AT MSL (MB)	MEAN PRESSURE: DIFFERENCE FROM 1941-70 AVERAGE	MEAN TEMPERATURE AND HUMIDITY: DRY BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: DEPRESSION OF WET BULB DEGREES C	MEAN TEMPERATURE AND HUMIDITY: VAPOUR PRESSURE (MB)	MEAN TEMPERATURE AND HUMIDITY: RELATIVE HUMIDITY (%)	CLOUD AMOUNT OKTAS: MEAN	CLOUD AMOUNT OKTAS: NUMBER OF OBSERVATIONS: 0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED	VISIBILITY: NUMBER OF OBSERVATIONS: 0 - 39M	40 - 190M	200 - 390M	400 - 990M	1000 - 1900M	2000 - 3900M	4 - 9KM	10 - 19KM	20 - 39KM	40KM AND OVER	WIND SPEED AND DIRECTION: BEAUFORT FORCE: 8 OR MORE	6-7	4-5	1-3	CALM	SPEED (KT): 34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
8A WALES S -CONTD.																																										
MID GLAMORGAN																																											
CILFYNYDD	195	3	1014.2	-	5.9	0.6	8.6	91	6.5	1	2	3	9	16	0	0	0	0	0	0	0	18	13	0	0	1	1	6	18	5	0	2	5	3	2	7	7	0
		9	1014.9	-	5.9	0.6	8.7	91	7.0	0	2	2	7	20	0	0	0	0	0	0	0	16	11	0	0	0	0	7	20	4	1	4	4	2	3	6	5	2
		15	1014.4	-	7.0	0.9	8.9	87	7.1	0	1	2	9	19	0	0	0	0	1	0	0	1	18	11	0	0	0	0	11	18	2	1	1	5	5	0	7	2	2
		21	1014.6	-	6.2	0.5	8.8	92	7.1	2	0	1	6	21	1	0	0	1	0	0	0	20	10	0	0	0	0	1	7	15	8	2	1	8	0	5	2	5	0
SOUTH GLAMORGAN																																										
RHOOSE	69	3	1014.1	-	6.3	0.5	9.0	92	6.1	0	3	7	11	10	0	0	0	0	0	0	1	11	8	7	4	1	0	16	14	0	0	4	8	0	4	5	10	0
		9	1014.7	+ 0.7	6.4	0.6	8.9	91	6.4	0	2	4	17	8	0	0	1	0	1	0	4	11	10	3	1	0	0	15	16	0	0	4	10	0	6	3	7	1
		15	1014.3	-	7.8	0.9	9.3	87	6.9	0	2	1	17	11	0	0	0	0	0	0	3	1	7	11	7	2	0	0	21	10	0	0	0	5	9	2	4	2	2
		21	1014.4	-	6.9	0.6	9.2	91	6.5	0	2	4	11	14	0	0	0	0	0	0	2	3	10	5	9	2	0	2	13	16	0	0	3	11	1	4	3	7	2
8B ENGLAND SW																																										
AVON																																										
FILTON	61	3	1014.7	-	6.3	0.7	8.6	89	6.5	0	3	4	13	11	0	0	0	0	0	1	5	9	9	7	0	1	0	12	16	2	1	1	8	2	3	7	7	0
		9	1015.4	+ 1.4	6.2	0.7	8.6	89	6.5	0	3	2	17	9	0	0	0	1	0	2	6	8	7	7	0	0	1	12	16	2	0	1	10	2	5	3	7	2
		15	1014.8	-	7.9	1.1	9.2	85	6.2	0	5	1	16	9	0	0	0	0	0	1	6	9	7	6	2	0	1	15	14	1	1	0	10	2	5	2	9	1
		21	1015.0	-	6.6	0.7	8.8	89	6.1	2	4	2	10	13	0	0	0	0	0	1	10	6	8	6	0	0	0	11	16	4	1	2	7	3	3	4	6	1
SOMERSET																																										
EXTON	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	-	-	5.1	0.2	8.6	96	6.7	0	1	6	6	9	9	0	7	0	2	0	5	8	3	5	1	0	0	12	16	3	2	0	5	4	7	1	7	2
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		21	-	-	5.6	0.2	8.9	96	6.7	0	4	2	4	14	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YEOVILTON	23	3	1014.4	-	6.7	0.8	8.8	89	6.2	3	1	5	7	14	1	0	1	0	0	1	6	13	8	2	0	0	2	13	13	3	0	2	4	5	5	6	3	3
		9	1015.2	-	6.5	0.6	9.0	91	6.0	0	3	6	15	7	0	0	2	0	0	2	4	12	9	2	0	0	1	15	11	4	0	1	4	6	2	7	4	3
		15	1014.6	-	8.7	1.1	9.6	84	6.3	0	1	6	16	8	0	0	0	0	0	2	4	14	8	3	0	0	1	16	11	3	1	0	2	8	6	3	6	2
		21	1014.7	-	7.3	0.8	9.3	89	6.0	0	4	6	8	13	0	0	0	0	0	0	3	18	7	3	0	0	3	11	11	6	1	0	0	8	2	6	5	3
DORSET																																										
HURN	11	3	1015.3	-	6.6	0.6	9.1	92	5.3	5	3	4	8	11	0	0	0	0	2	2	1	7	9	10	0	0	1	10	18	2	1	3	6	4	1	6	5	3
		9	1015.9	-	6.8	0.6	9.3	92	6.0	0	2	7	15	7	0	0	0	1	2	2	6	6	8	5	1	0	0	13	16	2	1	2	7	2	6	6	3	2
		15	1015.5	-	8.9	1.0	10.0	86	6.3	0	4	2	16	9	0	0	0	0	0	1	2	14	9	3	2	0	1	12	18	0	2	2	7	2	7	6	4	1
		21	1015.5	-	7.6	0.6	9.7	91	6.3	0	4	6	4	16	1	0	0	2	0	1	4	6	11	6	1	0	1	9	20	1	1	1	8	4	6	2	5	3
PORTLAND BILL.C.G.	54	3	1014.6	-	8.3	0.4	10.5	95	4.9	4	6	5	5	11	0	0	0	0	0	1	0	9	16	4	1	2	11	12	5	1	1	1	4	3	8	2	9	2
		9	1015.0	-	8.5	0.3	10.8	96	6.5	0	2	4	15	9	1	0	0	0	1	0	1	10	13	6	0	1	9	17	4	0	1	0	7	5	4	5	6	3
		15	1014.1	-	9.2	0.4	11.1	94	6.4	0	3	5	11	12	0	0	0	0	0	2	4	10	12	3	0	0	12	14	4	1	1	0	2	10	5	4	6	2
		21	1014.8	-	8.7	0.4	10.7	94	5.6	5	1	5	4	16	0	0	0	0	0	0	1	11	13	6	0	2	10	12	6	1	2	0	4	6	4	5	5	4
DEVON																																										
EXETER	38	3	1014.3	-	7.0	0.7	9.1	90	6.0	1	2	4	15	8	1	0	1	2	0	0	1	8	10	5	4	1	1	10	18	1	2	3	4	7	7	0	4	3
		9	1014.9	+ 0.4	7.1	0.7	9.2	90	6.1	1	2	3	19	6	0	0	1	2	0	0	0	8	13	6	1	0	1	13	15	2	0	1	3	9	7	1	3	5
		15	1014.3	-	8.9	1.0	9.9	86	6.5	0	2	3	15	10	1	0	0	1	0	1	1	11	5	8	4	0	1	17	11	2	1	2	0	12	3	3	6	2
		21	1014.4	-	7.6	0.7	9.5	90	5.8	1	7	2	5	16	0	0	1	0	2	0	0	9	12	3	4	0	5	10	14	2	3	1	2	9	5	1	3	5
HARTLAND POINT	93	3	1013.1	-	7.8	0.6	9.7	91	5.2	3	4	5	12	7	0	0	0	0	0	0	0	1	14	9	7	1	7	18	4	1	2	1	6	4	2	4	8	3
		9	1013.3	-	7.9	0.7	9.7	90	6.4	1	1	3	18	8	0	0	0	0	1	0	0	6	12	7	5	1	10	14	6	0	1	1	7	6	0	7	5	4
		15	1013.1	-	8.7	0.8	10.1	89	6.9	0	0	5	15	11	0	0	0	0	0	0	0	4	16	8	3	0	5	16	10	0	1	1	3	4	6	4	3	5
		21	1013.0	-	8.2	0.7	9.9	90	5.5	4	4	3	4	16	0	0	0	0	0	0	0	6	14	6	5	1	8	14	8	0	0	1	4	7	4	3	5	7
MOUNT BATTEN	28	3	1014.1	-	8.0	0.8	9.7	89	5.3	2	5	6	11	7	0	0	1	0	1	0	2	8	12	7	0	0	2	16	13	0	2	2	13	1	2	5	5	1
		9	1014.7	+ 0.2	8.2	0.7	9.9	90	6.9	0	1	2	16	12	0	0	0	0	1	1	1	14	11	2	1	0	0	19	12	0	2	2	10	3	3	4	6	1
		15	1014.2	-	9.6	1.1	10.4	85	6.7	0	2	2	17	10	0	0	0	0	1	0	2	10	10	8	1	0	3	13	13	2	2	0	8	3	7	3	3	3
		21	1014.4	-	8.3	0.7	10.0	90	5.2	4	7	1	6	13	0	0	0	0	1	0	0	17	9	4	0	1	3	11	15	1	3	0	8	4	3	3	6	3
PRAWLE POINT	-	3	-	-	-	-	-	-	5.3	5	2	5	8	11	0	0	0	0	1	0	0	5	15	10	0	2	13	9	5	2	3	1	9	1	3	0	12	0
		9	-	-	-	-	-	-	6.6	0	1	5	12	13	0	0	0	0	0	1	1	11	10	8	0	4	8	17	1	1	1	1	8	4	2	4	10	0
		15	-	-	-	-	-	-	6.5	1	2	4	9	15	0	0	0	0	0	0	0	11	10	10	0	2	8	17	3	1	1	0	9	1	6	4	8	1
		21	-	-	-	-	-	-	5.0	7	2	5	3	14	0	0	0	0	0	0	0	12	7	12	0	3	8	12	5	3	1	1	9	2	3	4	7	1
CORNWALL																																										
GWENNAP HEAD	70	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		9	1013.5	-	9.3	0.9	10.4	88	6.3	0	3	4	14	9	1	0	1	0	0	0	1	10	8	10	1	3	11	13	4	0	1	2	3	4	4	7	6	4
		15	1013.1	-	9.7	0.8	10.8	89	6.6	0	2	6	9	14	0	0	0	0	0	1	0	13	7	10	0	3	14	9	5	0	4	1	0	5	6	7	6	2
		21	1013.3	-	9.3	0.8	10.6	89	5.2	4	4	5	6	12	0	0	0	0	0	0	0	7	11	11	2	5	7	15	4	0	4	0	0	5	7	4	7	4
ST MAWGAN	107	3	1013.5	-	7.7	0.7	9.6	90	5.2	4	3	5	12	7	0	0	0	1	1	0	2	9	9	6	3	1	2	18	9	1	1	1	2	12	3	4	6	1
		9	1013.9	- 0.3	8.1	0.8	9.8	89	6.4	0	3	0	24	4	0	0	0	0	0	1	0	13	6	9	2	0	5	17	9	0	1	0	3	9	8	3	5	2
		15	1013.5	-	9.1	0.9	10.3	87	6.9	0	1	1	19	10	0	0	0	0	0	0	0	14	6	7	4	0	4	19	8	0	3	0	0	11	7	4	3	3
		21	1013.5	-	8.2	0.7	9.8	89	5.0	3	5	7	5	11	0	0	0	0	0	0	2	13	10	4	2	0	5	15	11	0	2	0	1	9	7	4	5	3
SCILLY	61	3	1013.0	-	9.4	1.1	10.1	85	4.5	2	6	8	9	6	0	0	0	0	1	0	0	4	14	10	2	0	7	20	3	1	3	1	6	6	5	6	0	3
		9	1013.3	- 0.7	9.7	1.0	10.5	87	6.3	0	3	4	13	10	1	0	0	0	1	0	0	5	11	12	2	0	10	15	5	1	3	1	2	6	5	8	3	2
		15	1013.0	-	10.2	1.1	10.7	86	6.6	0	1	5	12	13	0	0	0	0	0	0	1	13	7	10	0	0	10	15	5	1	3	0	2	8	7	3	4	3
		21	1013.3	-	9.5	1.1	10.3	86	5.5	0	7	6	5	13	0	0	0	0	0	0	0	6	11	11	3	1	6	19	5	0	2	1	5	7	3	4	5	4
CHANNEL ISLANDS																																										
GUERNSEY AIRPORT	105	3	1015.3	-	8.0	0.9	9.5	87	5.6	2	4	4	12	9	0	0	0	0	0	0	2	9	6	12	2	0	3	22	6	0	2	0	1	8	9	4	6	1
		9	1016.5	-	8.0	0.9	9.5	87	6.5	0	0	7	18	6	0	0	1	0	1	0	1	5	11	8	4	0	2	22	7	0	1	1	1	9	8	5	2	4
		15	1016.0	-	8.7	1.1	9.7	85	6.4	0	1	5	20	5	0	0	0	0	0	0	3	2	15	9	2	0	3	23	4	1	1	0	1	8	10	2	5	3
		21	1016.2	-	8.5	1.0	9.7	86	5.5	2	6	4	9	10	0	0	0	0	0	0	2	8	11	7	3	0	4	22	5	0	2	0	1	7	10	3	4	4
JERSEY AIRPORT	83	9	1016.6	-	7.4	0.8	9.3	88	6.2	0	4	2	19	6	0	0	0	1	1	2	9	5	11	2	0	0	20	11	0	1	0	3	10	6	5	3	3	
		15	1016.0	-	8.5	1.1	9.6	85	6.2	0	3	3	18	7	0	0	0	0	0	1	10	7	10	3	0	1	19	11	0	1	0	2	12	5	2	7	2	
NORTHERN IRELAND																																										
LONDONDERRY																																										
MONEYDIG	35	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTRIM																																										
ALDERGROVE	73	3	1011.0	-	5.8	0.7	8.3	89	6.3	2	3	2	5	19	0	0	0	0	0	0	3	5	8	6	6	3	0	1	11	19	0	2	1	9	4	9	2	3	1
		9	1012.0	+ 1.6	5.9	0.8	8.2	88	6.3	0	2	5	15	9	0	0	0	0	0	0	1	8	10	8	0	0	0	14	15	2	2	1	8	1	10	3	1	3
		15	1011.4	-	7.0	1.1	8.5	84	6.7	0	1	4	18	8	0	0	0	0	0	1	1	12	6	10	1	0	1	17	12	1	2	0	5	10	3	5	2	3
		21	1011.1	-	6.5	0.9	8.5	87	6.8	1	1	2	14	13	0	0	0	0	0	0	4	12	3	9	3	0	1	17	12	1	1	1	6	5	12	2	3	0
TYRONE																																										
CARRIGANS	112	9	1011.6	-	5.7	0.6	8.5	91	6.6	0	4	2	6	16	3	0	1	2	1	0	0	13	9	5	0	0	0	14	11	6	1	0	3	10	5	0	1	5
		15	1010.9	-	7.0	0.8	9.0	88	6.7	0	1	4	12	14	0	0	0	0	2	0	0	16	10	3	0	0	0	13	15	3	2	0	4	12	4	1	2	3
		21	1010.5	-	6.5	0.6	8.9	91	7.0	1	1	3	5	21	0	0	0	0	1	1	0	12	16	1	0	0	1	11	18	1	3	1	3	10	7	1	4	1

TABLE 5 NUMBER OF DAYS WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS

DECEMBER 1977

STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
LERWICK (PSYCHROMETER)	0	4	27	0	0	0	0	0	0	0	0	2	16	13	0	0
LERWICK (SCREEN)	0	4	27	0	0	0	0	0	0	0	0	2	16	13	0	0
STORNOWAY	0	5	24	2	0	0	0	0	0	0	0	3	15	13	0	0
CRAIBSTONE	0	4	25	2	0	0	0	0	0	0	0	3	24	4	0	0
ROTHESAY	0	3	24	4	0	0	0	0	0	0	0	1	17	13	0	0
ABBOTSINCH	0	5	22	4	0	0	0	0	0	0	0	4	14	13	0	0
ESKDALEMUIR (PSYCHROMETER)	0	12	19	0	0	0	0	0	0	0	0	9	17	5	0	0
ESKDALEMUIR (SCREEN)	0	11	19	1	0	0	0	0	0	0	0	8	18	5	0	0
DOUGLAS	0	0	26	5	0	0	0	0	0	0	0	0	18	13	0	0
BOULMER	0	2	26	3	0	0	0	0	0	0	0	2	19	10	0	0
HULL	0	0	23	8	0	0	0	0	0	0	0	0	21	10	0	0
GORLESTON	0	0	22	8	1	0	0	0	0	0	0	1	17	13	0	0

STATION	MAXIMUM °C								MINIMUM °C							
	0.0 OR LESS	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	15.1 TO 20.0	20.1 TO 25.0	25.1 TO 30.0	ABOVE 30.0	-15.0 OR LESS	-14.9 TO -10.0	-9.9 TO -5.0	-4.9 TO 0.0	0.1 TO 5.0	5.1 TO 10.0	10.1 TO 15.0	ABOVE 15.0
CAMBRIDGE BOTANIC GARDENS	0	1	16	13	1	0	0	0	0	0	0	5	14	12	0	0
EDGBASTON	0	10	14	7	0	0	0	0	0	0	0	2	16	13	0	0
KEW (PSYCHROMETER)	0	4	17	9	1	0	0	0	0	0	0	2	15	12	2	0
KEW (NORTH-WALL SCREEN)	0	3	18	9	1	0	0	0	0	0	0	1	11	17	2	0
HASTINGS	0	1	20	10	0	0	0	0	0	0	0	0	16	14	1	0
SOUTHAMPTON	0	0	15	16	0	0	0	0	0	0	0	0	17	13	1	0
STONYHURST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VALLEY	0	0	18	13	0	0	0	0	0	0	0	0	14	17	0	0
WHOOSE	0	2	20	9	0	0	0	0	0	0	0	0	16	15	0	0
FALMOUTH	0	0	9	22	0	0	0	0	0	0	0	1	9	20	1	0
ALDERGROVE	0	3	23	5	0	0	0	0	0	0	1	1	18	11	0	0
ARMAGH	0	2	23	6	0	0	0	0	0	0	1	2	19	9	0	0

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

DECEMBER 1977

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED							MEAN HOURLY WIND SPEED (KT)	HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT	HOURS OF NO RECORD		HOURLY WIND			GUST				
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS						VEER FROM N	SPEED-KT	DAY	HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY	TIME
0 SCOTLAND N																					
SHETLAND	LERWICK		93	10 10	8 10 11	7	23	273	318	111	35	0	18.4	120	35	11	12	340	60	30	1236
ORKNEY	KIRKWALL AIRPORT		41	15 10	29	1	18	186	367	166	24	0	16.3	290	34	29	18	290	67	29	1812
WESTERN ISLES	BENBECULA		16	10 10	4 29 30	12	14	122	395	179	36	0	14.7	310	39	30	02	310	59	30	0254
	STORNOWAY		12	10 10	29 30	2	12	53	387	254	48	0	12.7	300	35	29	22	310	57	29	2212
HIGHLAND	DALCROSS		19	10 10		0	5	29	300	263	152	0	9.9	280	31	29	21	130	56	4	1518
	DOUNREAY		34	12 9	4 29	4	14	135	232	277	51	45	13.5	300	36	29	18	300	53	29	1906
	DUIRINISH		38	20 17	29	1	9	44	351	237	103	8	11.4	320	34	29	23	310	60	29	2318
	FORT AUGUSTUS		58	16 16		0	0	0	103	331	310	0	5.3	270	17	4	04	280	47	4	1112
	WICK		45	10 10		0	14	133	345	208	58	0	14.1	310	33	29	19	300	59	29	1954
1 SCOTLAND E																					
GRAMPIAN	ABERDEEN DYCE AIRPORT		68	10 10		0	8	48	284	282	130	0	10.2	160	28	23	00	290	47	29	1342
	FRASERBURGH		29	13 11	11 27-30	49	12	86	280	275	54	0	14.0	320	45	30	01	310	64	29	2118
	KINLOSS		18	13 13	29 30	2	8	50	268	312	112	0	10.4	290	34	29	21	300	60	30	0130
	LOSSIEMOUTH		17	10 10	4 29 30	10	10	75	282	278	97	2	11.8	290	38	29	21	290	68	29	2212
TAYSIDE	BELL ROCK		39	40 38	3 4 7 10 24 28 29	39	27	287	319	91	8	0	20.0	140	42	10	06	140	54	10	0630
	MYLNEFIELD		40	10		0	0	0	179	277	288	0	6.7	120	20	10	05	280	39	29	2030
	TUMMEL BRIDGE		161	16 16		0	0	0	83	339	320	2	5.5	290	20	29	23	290	46	29	2254
FIFE	LEUCHARS		25	13 13		0	13	82	303	270	89	0	11.7	280	30	29	19	290	51	29	1942
LOTHIAN	EDINBURGH TURNHOUSE AIRPORT		43	13 10		0	6	15	333	262	134	0	10.0	270	28	24	04	270	49	24	0342
	ROYAL OBSERVATORY, BLACKFORD HILL		159	10 10	22 23	5	12	74	365	209	91	0	12.4	210	40	22	22	210	60	22	2154
	FORTH ROAD BRIDGE		72	72	DEFECTIVE RECORD																
6 SCOTLAND W																					
STRATHCLYDE	ABBOTSINCH AIRPORT		16	10 10		0	4	10	291	318	125	0	9.1	290	26	24	03	320	42	30	0136
	ARDROSSAN		24	20	DEFECTIVE RECORD																
	DUNSTAFFNAGE		13	10 10	30	1	10	62	300	314	67	0	11.4	290	34	30	00	270	57	30	0012
	GREENOCK PORT		51	49	6 29 30	12	14	80	348	252	52	0	13.1	320	38	30	03	310	59	30	0124
	INCHTERF		55	15 12	DEFECTIVE RECORD																
	LOWTHER HILL		754	27	3-7 9-11 15 22-25 28-31	180	26	195	257	79	32	1	23.7	320	68	29	23	320	89	29	2354
	MACHRIHANISH		22	12 12	3 4 9 10 30	26	18	213	320	162	23	0	17.1	120	40	3	16	320	60	30	0418
	PAISLEY		57	25 9		0	5	16	174	337	198	19	7.4	320	27	30	06	290	51	29	2036
	PRESTWICK AIRPORT		21	10 10		0	12	61	329	250	104	0	11.3	110	33	5	08	310	60	30	0124
	TIREE		24	16 12	2-6 9 10 21 22 29 30	64	24	275	283	101	21	0	20.1	140	43	4	07	310	62	30	0212
DUMFRIES AND GALLOWAY	ESKDALEMUIR		259	10 10	24 29 30	15	8	58	194	323	154	0	10.0	280	43	29	20	280	67	29	2342
	WEST FREUGH		25	10 10	30	1	11	73	331	258	75	6	12.1	310	34	30	02	310	53	30	0242
2 ENGLAND E & NE																					
NORTHUMBERLAND	BLYTH		19	10 10	DEFECTIVE RECORD																
	BOULMER		33	10 10		0	11	87	287	325	45	0	12.2	260	31	24	05	260	51	24	0506
TYNE AND WEAR	SOUTH SHIELDS		22	17 13		0	9	75	272	320	77	0	11.2	340	31	28	11	340	42	28	0024
CLEVELAND	SOUTH GARE		22	14 15	6 7 11 24 28	42	18	142	349	180	30	1	16.2	290	45	24	05	290	63	24	0500
DURHAM	DURHAM		119	16 10	DEFECTIVE RECORD																
NORTH YORKSHIRE	LEEMING		42	10 10		0	4	25	235	372	112	0	9.3	260	33	24	10	170	52	11	0348
	LINTON-ON-OUSE		23	9 10		0	4	30	181	373	160	0	8.5	260	33	24	05	270	53	24	0518
	SILPHO MOOR		207	15 9		0	4	20	254	298	172	0	8.7	110	26	11	02	150	63	24	0524
LINCOLNSHIRE	BINBROOK		118	10 10	24	4	7	38	345	306	51	0	11.3	220	38	24	03	220	63	24	0306
	CONINGSBY		16	10 10	24	4	2	13	311	331	85	0	10.2	230	42	24	03	260	63	24	0518
	CRANWELL		68	13 13	24	7	8	51	420	229	37	0	12.6	230	46	24	04	240	72	24	0436
	SCAMPTON		68	10 10	24	5	6	24	351	341	23	0	11.5	230	39	24	03	260	59	24	0454
	WADDINGTON		80	10 10	24	5	4	18	361	315	45	0	10.9	220	37	24	02	240	60	24	0448
3 EAST ANGLIA																					
NORFOLK	COLTISHALL		27	10 10	24	4	4	29	325	300	86	0	10.5	240	43	24	05	240	72	24	0518
	GORLESTON		16	13 13	24	4	11	108	329	214	18	71	14.3	220	35	24	05	220	69	24	0542

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

DECEMBER 1977

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED								HIGHEST VALUES							
					34 KT OR MORE (GALE FORCE)		22-33 KT	11-21 KT	4-10 KT	LESS THAN 4 KT			HOURLY WIND				GUST			
		ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS				HOURS OF NO RECORD	MEAN HOURLY WIND SPEED (KT)	YEAR FROM N	SPEED-KT	DAY	HOUR BEGINNING	YEAR FROM N	SPEED-KT	DAY	TIME
3 EAST ANGLIA	- CONTINUED																			
	MARHAM	29	10	10	24	4	4	17	382	294	47	0	10.9	240	42	24	04	240	65	24	0430
CAMBRIDGESHIRE	WITTERING	87	10	10	24	6	8	48	344	298	48	0	11.6	240	45	24	03	230	76	24	0336
	WYTON	45	10	10	24	3	2	8	276	403	54	0	9.7	250	36	24	04	240	64	24	0424
SUFFOLK	HONINGTON	60	13	13	24	3	4	28	291	347	75	0	10.3	230	38	24	04	230	61	24	0506
	WATTISHAM	105	17	10	24	6	8	57	412	241	28	0	12.8	240	42	24	05	220	65	24	0348
BEDFORDSHIRE	BEDFORD	94	13	9	24	5	3	17	217	435	70	0	9.5	230	40	24	03	240	62	24	0406
	CARDINGTON	70	41	41	23 24	8	7	37	428	235	36	0	12.5	240	49	24	04	240	70	24	0400
HERTFORDSHIRE	GARSTON	94	15	10		0	1	5	69	532	138	0	6.3	250	27	24	04	250	51	24	0406
	ROTHAMSTED	141	13	10																	
ESSEX	SHOEBURYNESS	17	14	12		0	4	13	368	307	56	0	10.9	230	31	24	02	230	57	24	0212
	STANSTED	108	10	10		0	3	12	305	381	46	0	10.0	240	32	24	03	260	55	24	0448
4 MIDLAND COUNTIES																					
SOUTH YORKSHIRE	FINNINGLEY	19	10	10		0	3	21	202	371	150	0	8.6	270	33	24	05	250	58	24	0430
	SHEFFIELD UNIVERSITY	146	29	15	24	1	4	16	153	389	185	0	7.4	270	34	24	05	270	66	24	0454
NOTTINGHAMSHIRE	WATNALL	133	16	10		0	3	11	222	406	105	0	8.7	210	32	24	02	210	60	24	0130
STAFFORDSHIRE	KEELE	215	15	10		0	5	13	240	343	148	0	8.6	200	30	24	01	200	64	24	0124
SALOP	SHAWBURY	84	12	10	24	1	4	25	194	383	140	1	8.8	250	36	24	03	250	60	24	0306
WEST MIDLANDS	BIRMINGHAM EDGBASTON	196	36	22		0	3	8	168	393	175	0	7.6	210	30	24	01	210	60	24	0118
	ELMDON AIRPORT	104	10	10		0	4	16	214	431	83	0	9.2	220	33	24	02	260	63	24	0418
OXFORDSHIRE	BENSON	60	10	10	24	1	4	14	254	384	91	0	9.3	210	34	24	01	210	58	24	0124
	BRIZE NORTON	91	13	10	24	2	4	24	259	348	111	0	9.5	220	35	24	02	230	65	24	0248
	OXFORD					0	4	16	245	375	61	47	9.8	210	30	23	22	210	52	23	2218
5 ENGLAND SE & CENTRAL S																					
GREATER LONDON	HEATHROW AIRPORT	34	10	10		0	2	10	204	458	72	0	8.5	220	30	24	01	210	51	24	0212
	KEW	28	23	15		0	2	10	197	429	108	0	8.0	220	30	24	01	220	66	24	0106
	LONDON WEATHER CENTRE	93	70	38	24	1	2	18	342	345	38	0	10.9	210	37	24	01	210	67	24	0112
	POST OFFICE TOWER		174		23 24	21	19	228	431	64	0	0	19.1		49	24	01		69	24	0454
WILTSHIRE	BOSCOMBE DOWN	130	17	17		0	6	26	370	301	47	0	11.3	230	31	24	00	230	48	24	0036
	LARKHILL	145	13	10		0	2	11	235	391	107	0	8.6	230	27	24	02	230	54	24	0048
	LYNEHAM	159	14	11	24	1	4	21	334	336	52	0	10.6	240	35	24	03	230	58	24	0300
	PORTON	120	10	10	24	1	4	23	304	317	99	0	10.2	220	34	24	00	230	51	24	0130
KENT	DUNGENESS	16	10	10	11 24	7	14	127	375	208	27	0	14.7	250	39	24	04	250	64	24	0400
	ISLE OF GRAIN	15	12	10	24	4	4	18	287	367	68	0	10.2	220	39	24	02	230	63	24	0336
	DOVER	27	21	18	12 23 24	17	18	153	387	143	22	22	16.2	250	57	24	04	250	74	24	0430
	MANSTON	62	18	18	24	5	10	69	400	230	40	0	13.4	240	43	24	03	230	66	24	0306
HAMPSHIRE	CALSHOT	15	13	10		0	13	83	345	247	65	4	12.8	170	32	10	21	170	52	10	2124
	FARNBOROUGH	75	10	10		0	2	9	165	418	152	0	7.4	210	28	24	00	230	50	24	0254
	MIDDLE WALLOP	94	10	10	DEFECTIVE RECORD																
WEST SUSSEX	GATWICK AIRPORT	69	10	10	24	2	5	21	252	395	74	0	9.6	230	36	24	03	230	57	24	0254
	THORNEY ISLAND	16	10	10																	
7A ENGLAND NW & I O M																					
CUMBRIA	CARLISLE	41	13	9		0	4	16	241	354	133	0	8.5	240	27	23	23	240	58	23	2324
	GREAT DUN FELL	857	10	10	3-7 9-14 22-26 28-31	220	24	260	205	55	4	0	27.4	220	73	23	23	220	92	23	2336
	MOOR HOUSE	595	13	12	4 11 23 24 30	12	21	198	261	176	39	58	16.2	260	40	24	05	260	60	24	0506
	SELLAFIELD	25	12	11	DEFECTIVE RECORD																
LANCASHIRE	FLEETWOOD	34	15	9	24	1	9	46	242	321	109	25	10.2	280	34	24	04	310	53	30	0236
	SQUIRES GATE AIRPORT	22	12	11	11	1	9	59	416	225	43	0	12.5	220	39	11	03	220	55	11	0324
MERSEYSIDE	AIGBURTH	38	23	11	11	4	6	47	287	277	129	0	10.4	160	38	11	01	240	60	24	0330
GREATER MANCHESTER	MANCHESTER RINGWAY AIRPORT	80	10	10	24	1	8	29	297	336	81	0	10.4	210	35	24	01	200	62	11	0230
	WEATHER CENTRE	82	45	17		0	2	10	173	439	122	0	7.9	250	32	24	04	200	53	11	0236
ISLE OF MAN	POINT OF AYRE	20	10	10	3 4 23 24 30	14	17	219	303	120	6	0	17.5	310	36	30	04	300	63	30	0348
	RONALDSWAY	25	10	10	23	2	16	220	307	174	41	0	16.3	200	34	23	22	300	52	30	0324
7B WALES N																					
GWYNEDD	VALLEY	26	16	12	10 11 23 24	14	14	106	382	204	38	0	14.4	190	46	24	00	250	67	24	0218
8A WALES SOUTH																					
DYFED	ABERPORTH	144	10	10	3 4 9 23 24	14	19	173	390	158	9	0	16.8	210	41	23	23	280	65	24	0206
	BRAWDY	121	10	10	23 24	4	16	122	411	187	20	0	14.6	220	38	23	23	220	66	23	2330
	MILFORD HAVEN	47	10	10	23	1	9	25	405	277	25	11	12.4	220	35	23	23	260	58	24	0124
WEST GLAMORGAN	PORT TALBOT	28	12	11	23 24	3	15	87	351	249	54	0	13.1	240	42	24	01	240	58	24	0124
MID GLAMORGAN	CILFYNYDD	210	16	16	24	3	6	23	258	356	96	8	9.8	230	46	24	01	230	81	24	0054
SOUTH GLAMORGAN	RHOOSE AIRPORT	74	10	10	24	3	6	19	363	315	44	0	11.3	240	40	24	01	240	60	24	0230
8B ENGLAND SW																					
AVON	AVONMOUTH	28	19	10	24	3	7	31	280	361	69	0	10.3	240	38	24	02	240	57	24	0236
SOMERSET	YEOVILTON	22	12	10		0	7	26	318	286	103	11	10.6	230	33	24	00	230	61	24	0042
DORSET	HURN AIRPORT	23	13	11	23 24	2	3	13	292	329	108	0	9.4	210	34	24	01	210	55	24	0100
	PORTLAND BILL CG	60	13	13	3 4 9 10 24	12	22	244	344	88	44	12	18.0	260	41	24	01	270	60	24	0224
DEVON	MOUNT BATTEN	64	13	13	23 24	4	6	48	376	230	86	0	11.6	240	39	24	00	240	63	24	0024
CORNWALL	CULDROSE				24	1	10	38	399	256	50	0	11.8	250	34	24	00	250	56	24	0106
	LIZARD	96	23	18	3-5 9 10 23 24 27	39	24	235	326	133	11	0	18.8	240	48	23	23	230	68	23	2306
	ST MAWGAN	120	13	13	23 24	2	12	89	419	215	19	0	14.0	240	35	24	00	240	60	24	0000
	SCILLY(ST MARYS)	70	20	17	9 10 23 24 27	15	20	226	382	98	23	0	18.1	220	48	23	22	220	71	23	2242
CHANNEL ISLANDS																					
	GUERNSEY AIRPORT	111	11	10		0	11	94	522	120	8	0	15.3	230	31	24	00	230	46	24	0042
	JERSEY AIRPORT	94	12	10		0	8	30	508	190	16	0	13.2	270	27	27	08	280	44	27	1000
NORTHERN IRELAND																					
LONDONDERRY	COLERAINE UNIVERSITY	33	10	10	DEFECTIVE RECORD																
ANTRIM	ALDERGROVE	80	10	10		0	3	7	381	291	65	0	10.6	300	23	30	05	300	45	30	0518
	BALLYPATRICK FOREST	166	13	13	4	7	17	180	314	175	52	16	15.4	130	36	4	10	130	55	4	0642
	BELFAST HARBOUR	21	18	18	DEFECTIVE RECORD																
DOWN	KILKEEL	36	19	14	DEFECTIVE RECORD																
	ORLOCK HEAD	51	16	12	3-7 21 22 28 30	83	20	211	269	162	19	0	19.0	140	43	4	07	010	63	28	0524
TYRONE	CARRIGANS	129	10	10	DEFECTIVE RECORD																
FERMANAGH	CASTLE ARCHDALE FOREST	79	13	13		0	0	0	264	357	123	0	8.3	210	19	23	21	200	38	23	2118

TABLE 3 ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	AIR TEMPERATURE IN DEGREES C								MEAN EARTH TEMPERATURE		RAINFALL (TERMINAL H 09 GMT)				WEATHER (NUMBER OF DAYS)												BRIGHT SUNSHINE		
			MEANS OF		DAILY MEAN (MEAN OF A+B)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY		PRECIP-ITATION		SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	GALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE	0.2 MM OR MORE	1.0 MM OR MORE													
1977	JULY	STONEHAUGH						4																							
		CAWOOD		(10.5)	(15.0)				3.0	15																					
		SCARBOROUGH									15.7													0							
		EAST BERGHOLT																													
		STANSTEAD ABBOTTS													25																
		HARLOW	21.5	11.6	16.5		28.0	6	7.9	15		14.2	10	18	3	20,25	6	4	0	0	0	0	0	0	0			0	6.61		
		MORLEY																											4.52		
		NEWTHORPE						4																							
		PRESTON MONTFORD	20.5		15.6		26.2	4,7																							
		BIRMINGHAM KES											10	16	3	19															
		HEREFORD	21.8	11.5	16.7																										
		LYONSHALL											8	12			6	3													
		SHIRBURN (MODEL FARM)									16.7																				
		BROMLEY		12.6					8.0	15																					
		ENFIELD											15					3													
		HARROW WEALD		11.2	16.2																										
		LAMBOURN (WARREN FARM)	(20.0)		(15.3)																										
		DOVER RMS	18.6	11.9	15.3		23.3	3	8.5	15			. 44	60	20	12	(10)	(5)	0	0	0	0	1	3	0			0			
		SANDOWN		13.4	16.9	-0.1			9.1	16																			7.77	102	
		SHANKLIN														17															
		CARTMEL																8													
		NEWTON RIGG	19.5	10.2	14.9	+0.6	26.1	6	3.8	15	16.4		35	64	8	23	9	9	0	0	0	0	0	0	0	0		0	6.88	142	S
		HELMSHORE											51	40			11	8													
		KNUTSFORD														24															
		ABER	19.3	12.0	15.7		26.0	5	8.0	15		15.8	26	-	8	24	10	8	0	0	0	0	0	0	0	0		0	6.68		
		PORTHCAWL											-	-	-	-	-	-													
		RODNEY STOKE	20.7	12.1	16.4				6.8	15																			7.33	103	
		POOLE																													
		FALMOUTH															11	6													
		GWENNAP HEAD	17.9		15.7		25.1	7																							

Averages for 1941-70 were brought into use on 1-1-1974. Additions or corrections for months prior to this date refer to the averages in use at the time.

(x) Urban rooftop site.

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THE METEOROLOGICAL OFFICE

MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

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SUMMARY 1977

VOLUME 94 NUMBER 13

METEOROLOGICAL OFFICE LIBRARY 8 NOV 1979

Mostly cool, particularly during the summer, but some mild months: rather windy.

Although 1977, unlike 1976, was not a year of outstanding climatological events, widespread flooding followed very heavy rain and thunderstorms in some areas. It was also a windy year, and rough weather caused extensive damage to property and farmland in south-west Scotland and north-west England during the autumn months. Taking 1977 as a whole, and considering the areas very broadly, mean temperatures over the United Kingdom were slightly below average in Northern Ireland and Scotland and about average over England and Wales. It was generally cool during the summer half of the year from April to September (except in northern areas in July), but, in contrast, March, October and December were mild, as was February over England and Wales. Annual rainfall totals were also not far from the average, although there were marked variations between individual months. February was very wet over Northern Ireland and also over England and Wales, but May was unusually dry in Northern Ireland, and July exceptionally so over much of England: June and August were very wet in parts of England, however, particularly in the south. Northern districts were generally sunnier than southern areas, where totals were mainly below average in June, August and September, but an unusually sunny November made up for the low percentages of average over much of England in June.

WEATHER

January - Cold spells alternated with milder weather in January. Most districts had showers or longer periods of rain and there were some thunderstorms. Much of the precipitation was wintry, and it was very cold between the 10th and the middle of the third week, with heavy snowfall in parts of the north. Gales were severe at times along coasts, but overnight fog was sometimes slow to clear in inland areas.

February - This was a very wet month in most districts and there were few completely dry days in England and Wales. Prolonged, heavy rainfall caused severe flooding in the Midlands. It was generally mild, particularly in the south, and most of the snow fell over high ground in the north and in Wales. Fog formed mainly during the first two weeks, when it was persistent in places.

March - This month was mostly mild, with periods of rain and drizzle and fairly frequent gales. Thunderstorms occurred mainly during the third week and there was a cold spell during the last week, when wintry showers fell in most areas. Overnight fog in inland districts generally cleared quickly.

April - Outbreaks of rain or showers alternated with sunny intervals during April, which was cool and rather windy. The showers were wintry at times and snow or sleet fell in most districts between the 7th and the 9th. Fog formed extensively on coasts and hills in south-western areas during the latter part of the month, but was seldom reported elsewhere.

May - The first half of the month was cool and changeable, but the second part was mainly sunny and dry, although there were scattered thunderstorms in southern England. The highest temperatures occurred in the north of Scotland on the 27th.

June - Although the month started with dry sunny weather, June was mostly cool, particularly over southern England. Western Scotland and Northern Ireland remained mainly dry, but outbreaks of rain and showers occurred frequently in most other areas, except during the third week. There were heavy thunderstorms at times, especially in southern England.

July - Most parts soon became dry, sunny and very warm, but north-easterly winds then brought cool cloudy weather to eastern districts and the second half of the month was mostly cool. Many areas had a very dry July, although there were isolated thunderstorms.

August - The cool weather continued into August, but northern and some western parts had a sunny month. The second week was mainly dry, but rain or showers fell at other times. Much of August's rainfall was thundery and the very heavy rain caused urban flooding in parts of southern England, particularly in the London area.

September - This was another cool month, with scattered showers and thunderstorms, although rainfall amounts were small over much of England. Gales occurred in exposed places in northern and western Britain, particularly towards the end of the month, when heavy rain fell in northern areas and in parts of Wales.

October - Unusually for October, temperatures began to rise as the month progressed. The early part was unsettled, with thunderstorms in places, but the middle period was mainly dry and overnight fog was often widespread and slow to clear during the third week. Gales occurred most frequently in exposed places in the north and west from the 23rd onwards and very heavy rain fell in these areas during the last week. Extensive flooding occurred, particularly in south-west Scotland.

November - The month started with mild weather, but temperatures fell after the 11th. Wintry showers became frequent, but there were also sunny periods. This was a windy November, with severe gales at times, especially over the Irish Sea area on the 11th, when south-westerly gales, coinciding with an unusually high tide and heavy rainfall locally, caused severe flooding and extensive damage to property in the coastal areas of north Lancashire. The winds moderated during the last week and fog then developed in inland areas, persisting all day in parts of the Midlands and in Carlisle and Glasgow.

December - After a cold start, December was mainly mild. Outbreaks of rain or showers occurred mostly before the 13th and after the 26th. The showers were sometimes wintry, but snowfall was infrequent and many places in the south had no snow at all. This was another windy month, but fog persisted in places during the third week, when the winds were less strong.

WIND

The number of days on which gales occurred was mostly above average along the coasts of England and Wales, particularly in southern areas. Gale frequencies were also above average around the coasts of southern Scotland and in the Inner Hebrides, but were near to the normal in some northern coastal areas. Occurrences of days with gales in inland parts of the United Kingdom were generally near to or above the average. Winds frequently reached gale force in exposed places in January and the gales were severe at times, particularly in southern England on the 25th. A motorist was killed by a falling tree in Surrey and fallen trees blocked roads in many southern counties. Gusts exceeding 70 kt were recorded at places along the Channel coast. Gales occurred a little less frequently in February, although they were severe in southern coastal areas on the 18th. March was windier, and a gust of 97 kt was recorded at the high-level station at Snaefell (Isle of Man) on the 15th. Gales were also severe in exposed places on 31st March and the windy weather continued into April with gales in coastal areas in the north and west during the first fortnight and the last week. Winds reached gale force in southern England and South Wales during the third week of May, but were often light over northern Britain during the second half of the month. After the first few days of June, fresh or strong winds occasionally reached gale force in exposed places until mid-month. The blustery winds capsized yachts competing in races in the south-east on the 6th. Winds were lighter between mid-June and mid-July, although there were onshore breezes at times. Directions were persistently north-easterly during the third week of June and the second week of July, however. Fresh or strong winds blew on exposed coasts in the west and north from time to time between about 17th July and 5th August and also during the second half of August, speeds occasionally reaching gale force. Gales occurred more frequently in northern areas in September, although winds were lighter during the third week. The fresh or strong winds continued in northern and western districts in October and occurrences of gales increased after the 22nd. November was a windy month, with frequent gales on exposed coasts and hills. On the 11th severe south-westerly gales combined with an unusually high tide and heavy rainfall over the hills to cause widespread flooding and considerable damage in north Lancashire. Severe westerly gales then affected the same area on the 14th, and a gust of 108 kt was recorded at the mountain station at Snaefell (Isle of Man). The gales moderated after 25 November, but except around mid-month, there were further gales in exposed places in December, particularly during the last week. Severe south-westerly gales swept across England and Wales on the night of the 23rd/24th and a coaster sank, with loss of life, in heavy seas off the Cornish coast. Gales were severe in northern areas on 30 December, the highest recorded gust, 104 kt, again occurring at Snaefell.

TEMPERATURE

Mean temperatures for the year were mostly within 0.5 °C of average. In general, values were slightly below average in the Channel Islands, Cornwall, the Midlands, mid-Wales, Northern Ireland, and over most of northern England and Scotland, but were a little above average in remaining areas. Monthly mean temperatures were generally below normal in January, April, May, June, August and September, and over much of England in July. They were also below normal in most areas in November. March, October and December were mild months, as was February in England and Wales.

January - Mean temperatures were mostly below average, but were a little above the normal in parts of south-east England. Mild spells alternated with colder weather, but it was very cold in most districts between the 10th and the 18th, and the minimum of -17.8 °C at Braemar (Grampian Region) on the night of the 17th/18th was the lowest January temperature recorded there since 1963.

February - Differences from the normal ranged from -0.5 °C in central and northern Scotland to +2.5 °C in parts of southern England, where this was a mild month, with temperatures reaching or exceeding 13 °C at several places on the 20th.

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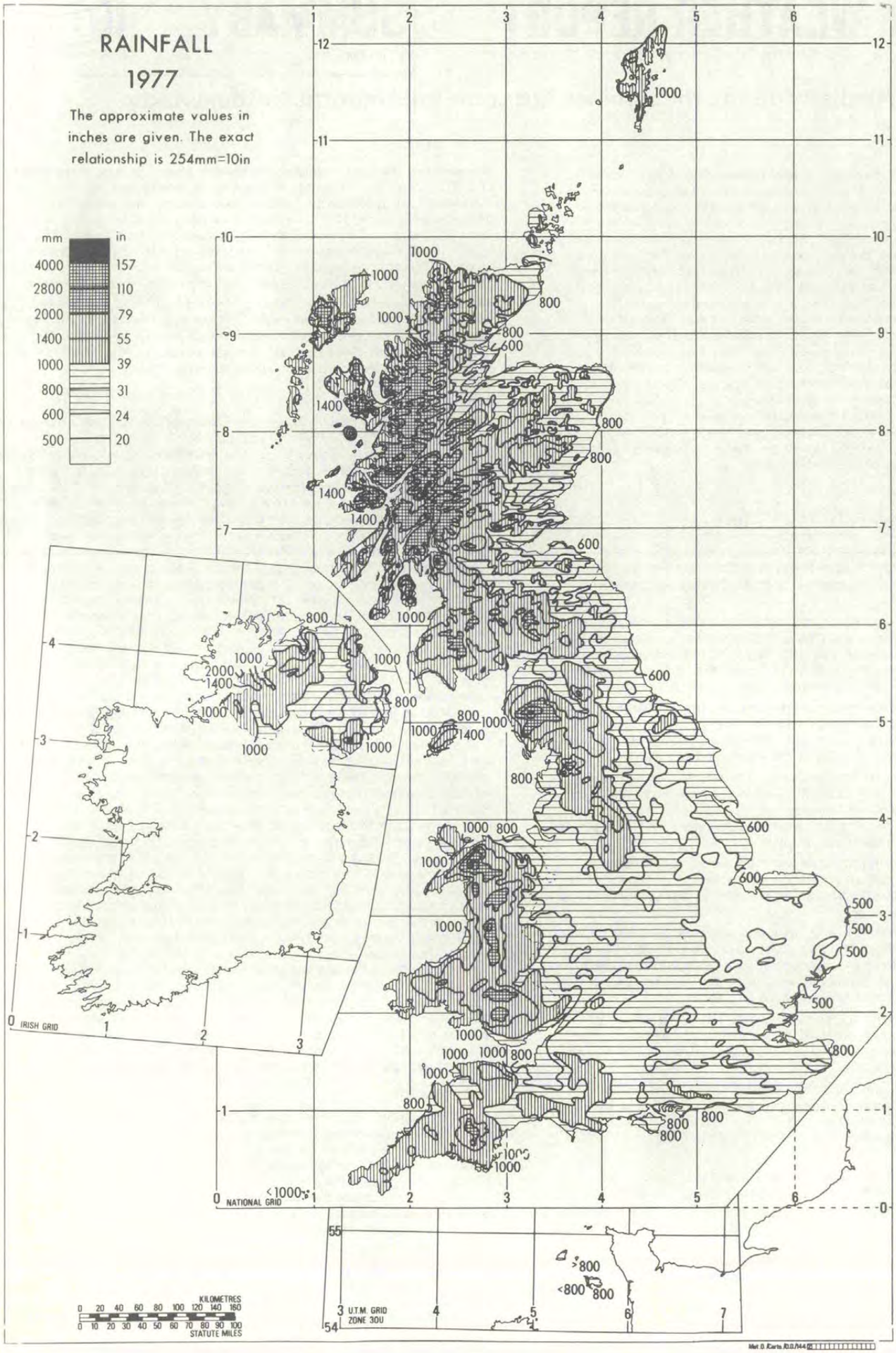
RAINFALL
1977
The approximate values in inches are given. The exact relationship is 254mm=10in
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2800 110
2000 79
1400 55
1000 39
800 31
600 24
500 20
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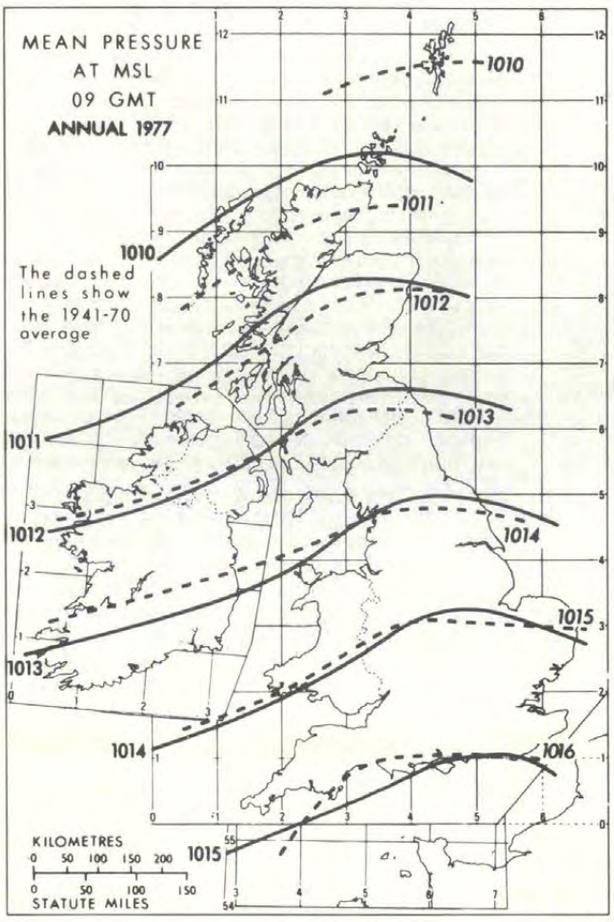
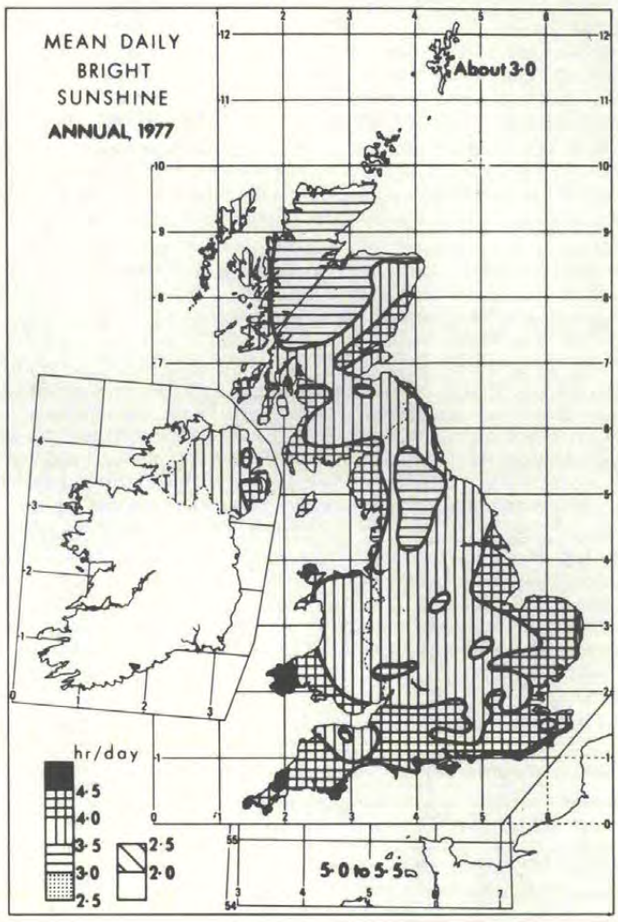
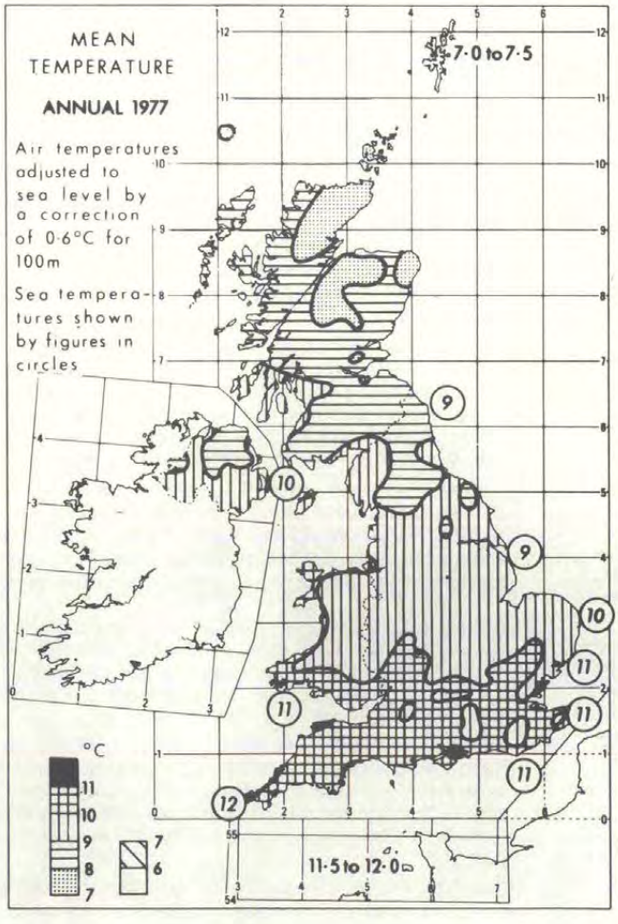
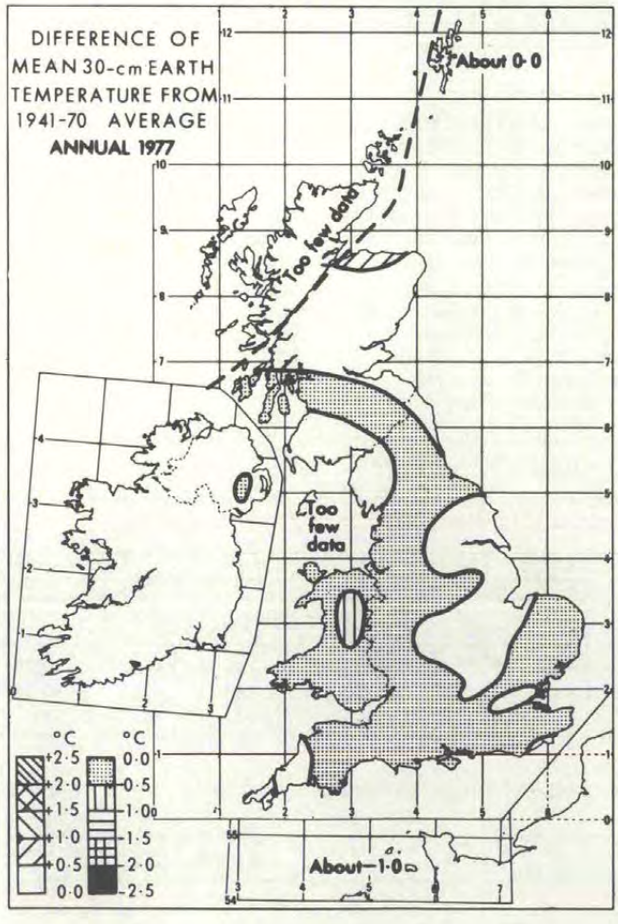
0 20 40 60 80 100 120 140 160
STATUTE MILES
0 10 20 30 40 50 60 70 80 90 100


MEAN PRESSURE
AT MSL
09 GMT
ANNUAL 1977
The dashed lines show the 1941-70 average
1010
1011
1012
1013
1014
1015
1016
KILOMETRES
0 50 100 150 200
0 50 100 150
STATUTE MILES


MEAN DAILY
BRIGHT
SUNSHINE
ANNUAL 1977
About 3·0
hr/day
4·5
4·0
3·5
3·0
2·5
2·5
2·0
5·0 to 5·5


MEAN
TEMPERATURE
ANNUAL 1977
Air temperatures adjusted to sea level by a correction of 0·6°C for 100m
Sea temperatures shown by figures in circles
7·0 to 7·5
9
10
9
10
11
11
11
11
12
°C
11
10
9
8
7
7
6
11·5 to 12·0


DIFFERENCE OF
MEAN 30-cm EARTH
TEMPERATURE FROM
1941-70 AVERAGE
ANNUAL 1977
About 0·0
Too few data
Too few data
°C
+2·5
+2·0
+1·5
+1·0
+0·5
0·0
°C
0·0
0·5
1·0
1·5
2·0
2·5
About −1·0

March - Mean temperatures for the month were above average in all areas. Maxima exceeding 18 °C were recorded at many places in East Anglia and southern England on the 2nd: at Exeter Airport, where the temperature reached 20.2 °C, this was the warmest March day since at least 1944. The mild weather lasted until about the 19th and the last 10 days were generally cooler.

April - This was a cool month, with mean temperatures below average in all districts. In parts of Scotland mean values were lower than those for March. The highest temperatures occurred during the last week on the eastern side of England, where maxima of about 18.5 °C were recorded at one or two places.

May - Although temperatures were again below average in all areas, and frost occurred at times, there was a warm spell during the second half of the month. The highest temperatures occurred on the 27th in the north of Scotland, where Craigdarroch and Fort Augustus recorded the unusually high maxima of 27.9 °C and 27.0 °C respectively.

June - This was another cool month, particularly in southern and central England. Ground frost occurred in many parts of the United Kingdom and air frost was occasionally reported. On the 6th the Glasgow area, with a maximum temperature of only 7.0 °C at Abbotsinch Airport, had one of its coldest June days this century. There were a few warm days, however, and temperatures of around 26 °C were recorded in northern areas on the 3rd and 23rd and in East Anglia and south-eastern England on the 13th.

July - Mean temperatures were mostly within 1 °C of the normal, and were broadly below average in eastern and central England and above average elsewhere. Many areas became very warm during the first week, however, and the temperature reached 30.0 °C at several places in western Scotland on the 7th and the 11th. Southern areas became cooler during the second week, and ground frost occurred as far south as Kew Observatory (Greater London) and Filton (Avon) on the night of the 14th/15th. The remainder of the month was cool generally.

August - Monthly mean temperatures were mostly below average and air frost was reported in some northern areas on the nights of the 5th/6th and 27th/28th, but there were warm days from time to time during the month.

September - This month was also cool, with monthly mean temperatures mostly not more than 1 °C below the normal, but between 1.0 and 1.5 °C below average in parts of northern and western Scotland and along much of the south coast of England. Air frost occurred in some northern areas and over high ground elsewhere during the third week.

October - Mean temperatures were above average in all areas and exceeded the normal by 1 to 2 °C in most districts. Air frost was infrequent and mostly occurred before the 12th, after which date, and unusually for October, temperatures began to rise. The remainder of the month was mild and the highest daily maxima were recorded in North Wales, where the temperature rose to 24.0 °C at Pen-y-Ffridd on the 18th.

November - Mean temperatures were mostly above average in East Anglia and south-east England, but were below normal elsewhere. The early part of the month was generally mild, however, and on the 10th the London Weather Centre recorded its highest November maximum, 18.2 °C, since 1946. It became colder after the 12th and some places became very cold during the last week. Glasgow had its coldest November day for 25 years on the 28th, the temperature not rising above -2.6 °C at Abbotsinch Airport.

December - Monthly mean temperatures were above average in all areas, mostly by between 1 and 2 °C. The month started cold, but soon became milder. On the 23rd the temperature rose to about 16 °C at several places in southern England, and the maximum of 15.4 °C recorded in the north-wall screen at Kew Observatory was the highest comparable December reading there since records began in 1871.

The following tables have been compiled for (a) England and Wales, (b) Scotland and (c) Northern Ireland.

Departures of the monthly and annual mean temperatures for the District Value Stations from the corresponding 1941-70 averages.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
	Degrees Celsius												
(a)	-0.5	+1.5	+1.3	-1.1	-0.8	-1.9	-0.1	-0.4	-0.6	+1.0	-0.2	+1.5	0.0
(b)	-0.7	-0.1	+0.9	-1.1	-0.4	-1.2	+0.6	-0.1	-0.8	+1.3	-0.9	+1.2	-0.2
(c)	-1.1	0.0	+0.8	-0.9	-0.8	-1.1	+1.1	0.0	-0.8	+1.2	-1.6	+1.2	-0.1

The highest and lowest temperatures recorded at any station in each month

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	Degrees Celsius											
(a) Max	13.6	13.5	20.2	18.9	25.6	26.6	29.6	28.3	26.5	24.0	18.5	16.0
Min	-16.4	-12.1	-7.8	-7.7	-7.0	-4.2	0.4	-2.0	-1.5	-3.0	-8.0	-6.2
(b) Max	12.7	10.5	17.2	16.7	27.9	26.3	30.0	25.8	22.2	22.4	16.0	13.0
Min	-18.7	-15.6	-8.7	-7.1	-5.5	-2.0	-2.5	-3.1	-3.2	-2.1	-12.3	-11.6
(c) Max	11.5	11.2	15.0	16.2	22.8	25.5	29.3	24.8	21.3	19.0	16.9	13.5
Min	-9.5	-6.8	-5.4	-4.7	-3.9	-0.8	4.6	0.3	-1.6	1.6	-7.9	-8.5

RAINFALL

Annual rainfall totals (which include melted snow) were above average in extreme south-west England and over most of Wales and central England from the north Midlands to the Channel coast. A few places recorded about 120 per cent of their normal yearly rainfall. Totals were slightly below average in parts of northern England and in some coastal regions and their hinterland, but only about 80 per cent of the normal fell in one or two places on the East Anglian coast. Rainfall was above or near the average over most of Scotland, the highest percentages occurring in the south-west and the lowest in the north. Annual totals in Northern Ireland were about average over the Province as a whole. Except in parts of Scotland, the first three months were wet, particularly February, which was the wettest February since 1923 in Northern Ireland and since 1950 over England and Wales. April was a month of contrasts, with northern and western Britain wetter than the east and south, but many northern areas were then dry from May to August. The total rainfall for these four months was the lowest for a similar period in the Glasgow area since records began there in 1868. Northern Ireland had a series of dry months from May to October, but in the same period, June was very wet over much of England and Wales, as was August over southern England. November was a wet month generally, but northern districts had a dry December.

January - Rainfall was above average in eastern counties of Northern Ireland, in the Isle of Man, and over most of England, except the north-west. The east coast of Scotland also had above-average rainfall, but totals were well below the normal in parts of central Scotland.

February - Monthly rainfall in north-west Scotland, where less than half the average was recorded, contrasted sharply with totals elsewhere. February was very wet in eastern and southern Scotland and also in most other parts of the United Kingdom. More than 400 per cent of the average fell in parts of Nottinghamshire and Derbyshire and it was the wettest February since at least 1888 at Nottingham. The copious rainfall caused severe flooding in many districts.

March - Except in the far north of Scotland and in parts of eastern and central England, rainfall was again mostly above average. More than twice the normal amount for the month fell in places in the Grampians and the Southern Uplands and also, locally, in the south-west Midlands.

April - Rainfall was above average in many northern and western areas from the north of Scotland to mid-Wales. Most eastern and southern districts had below-average rainfall, however, and only about half the normal fell in parts of eastern Scotland and southern England.

May - Most of the rain in May fell during the first two weeks and except in the Channel Islands, parts of eastern England and in northern Scotland, monthly rainfall totals were below average. Some western areas were very dry. In Northern Ireland, where only in 1975 has May been drier this century, totals were mostly below 50 per cent of average and rainfall in the Isle of Man was also well below normal.

June - Rainfall was again below average in Northern Ireland, and also in western Scotland and in some coastal areas of England and Wales. Totals in remaining areas were mostly well above average. There were sharp contrasts in rainfall distribution: Tiree, in the Inner Hebrides, had its driest June since 1941, while it was the wettest June in the Edinburgh area since 1928. In East Anglia a few places recorded only about 50 per cent of the normal, whereas more than 250 per cent of average fell in parts of North Wales and the west Midlands.

July - Except where there were isolated thunderstorms, this was a very dry month and it was the driest July over England and Wales, taken together, since 1935. Less than 25 per cent of the normal amount of rain fell in parts of south-eastern Scotland and Wales and over much of central and eastern England and less than 10 per cent was recorded in parts of the Midlands and East Anglia. As little as 0.3 mm fell during the month at East Bergholt (Suffolk).

August - Monthly rainfall totals were below average in many northern and some western areas, with totals below 50 per cent of average in places. Rainfall was above average south of a line from the Humber to the Bristol Channel and totals exceeded 250 per cent of the normal in parts of southern England. A number of heavy dailyrainfalls were recorded during the month and among these was a fall of 140.0 mm at Honister Pass (Cumbria) in the 24 hours from 09 GMT on the 4th, although most of the heavy falls occurred during thunderstorms in the south during the last two weeks. On the night of the 16th/17th 113.0 mm were measured in Greater London at Ruislip Manor and 84.8 mm fell in about 3 hours at Dartford (Kent) on the 27th. Severe flooding occurred on both these occasions.

September - Most of the western half of Scotland had above-average rainfall, but monthly totals were generally below average elsewhere. It was very dry in central and eastern England, a number of places recording less than 25 per cent of their normal rainfall. Some heavy falls occurred in Wales and in northern areas, however, and 119 mm fell in 12 hours on the 4th at Honister Pass (Cumbria).

October - The rainfall distribution was rather varied. Values ranged from less than 25 per cent of the normal in places in south-east England and East Anglia to over 200 per cent in the Edinburgh area, and less than half the average fell around the shores of the Moray Firth. Very heavy falls of rain occurred in some western and northern areas during the last week. In Cumbria 190.6 mm fell at Honister Pass between 15 GMT on the 23rd and 14 GMT on the 24th, and rainfall was exceptionally heavy in Wales, north-west England and southern Scotland at the end of the month. Widespread flooding caused considerable damage in the Scottish Border counties.

November - The month started wet and 117.0 mm fell at Treherbert Park (Mid-Glamorgan) between 0524 GMT on the 1st and 0230 GMT on the 2nd. In general, however, rainfall was below average over the south Midlands and central southern and eastern England, but was mostly above average elsewhere.

December - Monthly rainfall was above average over most of eastern, central and southern England and there was flooding in parts of the south-west during the second week. Rainfall totals were below average in most other areas and it was very dry over much of Scotland, particularly in the north. In the Western Isles, Stornoway had its driest December since records began there in 1876, but heavy rain fell in hilly areas from the Border counties to North Wales during the last week.

The following table gives monthly and annual rainfall amounts for the District Value Stations, expressed as percentages of the corresponding 1941-70 averages for (a) England and Wales, (b) Scotland and (c) Northern Ireland.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
	per cent												
(a)	120	213	128	85	81	140	33	117	42	76	108	107	104
(b)	89	133	143	128	81	87	56	83	108	127	140	62	103
(c)	105	219	129	106	42	72	52	92	65	96	115	85	99

THUNDER

Thunderstorms, which were sometimes accompanied by hail, were reported during all months of the year, but they were generally most severe during the summer. The greatest frequencies were in southern England and the Midlands. In January isolated thunderstorms mostly occurred in southern England during the second and last weeks and thundery rain fell in the Midlands on the 25th. Scattered thunderstorms broke out over England and Wales from time to time in February and mostly during the middle two weeks in March. Widespread storms occurred at the end of April and the thundery outbreaks continued into May, also affecting southern Scotland and Northern Ireland at times. Southern England and South Wales had further storms during the last week of May. Heavy thunderstorms occurred over southern Britain between about the 6th and 14th of June and particularly affected southern counties on the night of the 13th/14th. Property and crops were damaged and there was much urban flooding. A man was killed by lightning in Merseyside when the storms spread northwards on the 14th. Further storms occurred in south-west England and the Midlands on the 28th: rain flooded the city centre in Exeter (Devon) and hail shattered greenhouses in the area. Although July was a dry month, there were some thunderstorms, and a slow-moving storm over Dorset on the 12th accounted for above-average rainfall in the Weymouth area. Scattered thunderstorms also occurred during the first half of August, but storms were often heavy and widespread during the second half of the month, occurring locally on many days in southern Britain. On the 22nd an accumulation of hail to about 20 cm was reported at Ochiltree (Strathclyde), in association with thunderstorms in southern Scotland. Thundery activity decreased in September, although there were scattered thunderstorms in England and Wales on the 8th and 9th and in the Midlands on the 25th. Storms became more frequent during the early part of October, and again occurred mostly over England and Wales. It was also thundery in south-eastern England on 20th and 21st October. Local thunderstorms occured in mnay parts of Great Britain during November and there were isolated thunderstorms in widely separated areas during the second week of December. Thunder and lightning were observed in south-western and central England on 27th and 28th December.

SNOW AND SLEET

Except in some northern areas and in East Anglia, where the number of days when snow fell exceeded the normal, occurrences in January were about average. Most areas had rather less than the usual number of days with snowfall in February, however, and occurrences were above average only over high ground in central Scotland and Wales. Snow also fell more frequently than usual in these areas in March, but occasions were about average in other parts of Britain. April had more occasions of snowfall than is normal in most areas, especially over high ground and in the Northern Isles, where snow fell on an unusually high number of days. There were occasional falls of snow or sleet in the north and west during the first half of May and sleet was reported on a few occasions at high levels in the Scottish Highlands during the first two weeks of June. Patches of snow still remained in sheltered spots near the summits of the higher Scottish mountains in July and August. A little sleet was also reported in the Grampians in August and fresh falls of snow were observed in the South-East Highlands in September. Snow or sleet fell in northern areas at the beginning and end of October. Snowfall occurred more frequently than usual in November in nearly all districts, particularly over high ground, but except in Shetland, occurrences were well below average in December.

January - Snow and sleet fell in places at the beginning and end of the month, but the heaviest snowfalls occurred between the 10th and the 19th. Deep drifts blocked roads in northern areas and in the north Midlands, causing some loss of life. Depths in level snow during this period exceeded 40 cm in places on high ground in the north and measurements of 10 to 14 cm were made in undrifted snow in south-east England on the 12th and 13th.

February - Most of February's snow fell in northern areas and over the Welsh mountains, but snow and sleet spread into central England during the latter part of the month. Depths of 20 to 30 cm were measured in the Scottish mountains on the 11th and 12th, but depths were very varied over high ground in northern England.

March - A little snow or sleet fell mostly in northern districts during the first week, and in Wales and south-west England around mid-month. Wintry showers fell in most areas after the 26th and sleet was reported in Guernsey on the 28th, but snow depths were minimal in southern areas throughout the month.

April - Scattered showers of snow or sleet during the first week became widespread between the 7th and the 9th and were reported as far south as the Channel Islands. Wintry showers then continued to occur, mostly in northern areas, from time to time.

May - Scattered falls of snow or sleet occasionally occurred in the north and west during the first two weeks and the upper slopes of the higher Scottish mountains remained snow covered throughout the month, although the snow-line receded during the latter part.

June and July - Fresh falls of snow were observed at high levels in the South-East Highlands in June. Snow lay later than usual near the summits of the Scottish mountains and large patches were still visible at the end of July.

August - Sleet was reported in the Grampian mountains, where large patches of snow remained at high levels.

September - A few patches of snow still persisted on the summits of the higher mountains in Scotland.

October - Snow fell on the upland slopes of the Scottish mountains at the beginning and end of the month and a little sleet was reported at lower levels in Scotland and over high ground in northern England during the same periods.

November - Wintry showers occurred most frequently between the 12th and the 24th, with snow showers sometimes reaching southern areas. Heavy snowfalls in Scotland blocked some main roads towards the end of the third week and undrifted depths of 25 to 30 cm were measured on high ground.

December - Although snow was reported in the Channel Islands on the 1st and on Dartmoor towards the end of the month, many places in southern England had no snow at all during December. Showers of sleet and snow fell mainly in northern areas between the 6th and the 8th, but except on the tops of the highest mountains, snow cover on upland slopes mostly receded or thawed between about the 10th and the 26th. Further wintry showers fell during the last few days and drifts of up to about 90 cm were reported on Snowdon.

SUNSHINE

Annual sunshine totals were mostly between 90 and 100 per cent of average in East Anglia, the south and west Midlands, southern England and the Channel Islands. Yearly totals were above average almost everywhere else. The highest percentages, about 120 per cent of the normal, occurred in south-western Scotland and in Co. Down. May, July and November were sunny generally and sunshine was also well above average in most northern areas in January, June and August. Southern districts had above-average sunshine in April and October. February and December were unusually dull in Northern Ireland, but high sunshine totals in some of the other months, particularly during the summer, compensated for the deficits there. Most areas had less than their average sunshine in March and September.

January - Sunshine was below average in a broad band from west Wales to East Anglia and was mostly above normal elsewhere. Monthly totals were well above average in places, exceeding 150 per cent in the Torbay (Devon) area and also around Glasgow, while Baltasound (Shetland), with 164 per cent of average, had its sunniest January since 1960.

February - Monthly sunshine totals were broadly above average in north-western Scotland and the Central Lowlands, along the eastern coastal strip of England, in a broad belt from south-east England to the Severn Estuary and in th Channel Islands and the Isles of Scilly. Most other areas had less sunshine than the normal, and in Northern Ireland this was the dullest February since 1954.

March - Except in a few places in southern and eastern England, monthly totals were below average almost everywhere. Totals were between 50 and 75 per cent of average in many western areas, and also in northernmost counties of England and in southern Scotland. At Eskdalemuir (Dumfries and Galloway Region) and at Llety-Evan-Hen (Dyfed), both with only 56 per cent of their normal sunshine for the month, this was the dullest March since 1936 and 1947 respectively.

April - Monthly totals were generally within 10 per cent of average and except in some western and northern districts, and in parts of south-east England, were mostly above average. Sunny intervals occurred in most parts throughout the month, and there were not many dull days.

May - Sunshine was above average almost everywhere and the second half of the month was very sunny generally. Monthly totals were mostly between 125 and 140 per cent of average in areas bordering the Irish Sea and totals exceeded 300 hours in the Isle of Man and in Anglesey.

June - Monthly sunshine totals were above average over most of Scotland, Northern Ireland and north-west England, but were below average elsewhere. While Tiree, in the Inner Hebrides, had its sunniest June since 1957, most of southern England had a very dull month: at Southampton this was the dullest June since 1909, and the period from the 17th to the 21st was the longest consecutive spell of sunless days in June at Kew Observatory (Greater London) since sunshine records began there in 1880.

July - Sunshine totals were below average in some northern, eastern and southern coastal areas, but were above average elsewhere. The first two weeks were the sunniest generally and at Glasgow/Abbotsinch Airport this was the seventh successive July with above-average sunshine.

August - Except in the extreme west and part of the north, sunshine totals over England and Wales were below average. Scotland and Northern Ireland had a sunny month, however, and in Shetland, Baltasound, with 161 per cent of average, had its sunniest August since 1938.

September - Sunshine was above average in extreme south-west England, the Outer Hebrides and Shetland, but was mostly between 75 and 100 per cent of average elsewhere. The first half of the month was the sunnier and it became rather dull after the 19th.

October - Monthly totals were above average over most of England and Wales, southern Scotland and eastern parts of Northern Ireland, but were below average over the northern half of Scotland. This was the dullest October in Shetland since 1945.

November - Although sunshine was below average in some north-western parts and Cape Wrath in extreme north-west Scotland recorded only 15.8 hours of sunshine, this was a sunny month in most other areas, particularly in eastern and central England, where Birmingham/Edgbaston and Nottingham, both with over 200 per cent of average, had their sunniest November this century.

December - Sunshine was above average in the east and north Midlands and in parts of southern and north-western Scotland. Stornoway, in the Isle of Lewis, recorded 160 per cent of the normal December sunshine there. Totals were below average in most other districts, and it was very dull in places. The Isle of Man had less than half its normal December sunshine, and at Castle Archdale Forest in Co. Tyrone, this was the dullest December, with only 29 per cent of average, since records began there in 1942.

The following table gives monthly and annual values of sunshine for the District Value Stations, expressed as percentages of the corresponding 1941-70 averages for (a) England and Wales, (b) Scotland and (c) Northern Ireland.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
	per cent												
(a)	99	97	81	104	118	76	106	91	87	107	143	89	98
(b)	124	103	76	100	117	112	119	130	93	94	113	103	108
(c)	110	68	83	99	124	106	128	136	93	93	119	54	106

The 10 stations with complete records which had the highest sunshine totals were:

Station	Hours	Station	Hours
L'Ancresse (Guernsey)	1922.0	Ventnor (Isle of Wight)	1798.5
St Helier (Jersey)	1905.7	Guernsey Airport	1785.6
Gorey Castle (Jersey)	1849.5	Lizard (Cornwall)	1775.3
Jersey Airport	1838.7	Torbay (Torquay)(Devon)	1769.2
Shanklin (Isle of Wight)	1801.7	Dale Fort (Dyfed)	1764.0

The 3 stations in Northern Ireland, Scotland and Wales which had the highest sunshine totals were:

Northern Ireland		Scotland		Wales	
Station	Hours	Station	Hours	Station	Hours
Ballywalter Park (Co. Down)	1559.2	Kildonan (Strathclyde)	1667.0	Dale Fort (Dyfed)	1764.0
Ballywatticock (Co. Down)	1545.6	Girdstingwood (Dumfries and Galloway)	1622.4	Tenby (Dyfed)	1727.2
Hillsborough (Co. Down)	1519.1	Girvan (Strathclyde)	1615.3	Valley (Anglesey)	1708.8

The stations which had the highest sunshine totals in each month are listed below. Where the highest total occurred in the Channel Islands, the station with the next highest total (outside the Channel Islands) has also been included.

Month	Station	Hours
January	Prawle Point (Devon)	95.0
February	L'Ancresse (Guernsey)	102.0
	Stornoway (Outer Hebrides)	98.2
March	St Helier (Jersey)	148.9
	Hastings (East Sussex)	139.9
April	L'Ancresse (Guernsey)	209.0
	Shanklin (Isle of Wight)	206.0
May	Valley (Anglesey)	306.1
June	Tiree (Inner Hebrides)	257.5
July	Jersey Airport	275.7
	Shanklin (Isle of Wight)	254.3
August	St Mawgan (Cornwall)	242.2
September	L'Ancresse (Guernsey)	176.9
	Scilly, St Marys	171.3
October	L'Ancresse (Guernsey)	170.5
	Clacton-on-Sea (Essex)	156.6
November	Exmouth (Devon)	114.0
December	Ventnor (Isle of Wight)	63.0

FOG

Overnight fog in inland areas was dense, freezing and persistent at times in January and February, but occurred only occasionally between March and September and generally cleared quickly. Fog developed more frequently during October, when it was sometimes dense and slow to clear. Most of November was too windy for the formation of fog, except for the last few days, when freezing fog persisted in Glasgow from the 27th until 1st December. Fog in inland areas in December occurred most frequently during the third week, however. Much of the fog which affected coasts during the year occurred between March and September and coastal fog was extensive and persistent at times. It was sometimes associated with precipitation, as was hill fog, which was reported during most months.

January - Overnight fog, which was freezing at times, occurred fairly frequently. The fog was often dense, and it was persistent in parts of south-east England and East Anglia on the 30th and in the Belfast and Glasgow areas on the 31st. Hill fog was sometimes widespread and coastal fog occurred from time to time.

February - Fog mostly occurred during the first two weeks. It was sometimes dense and freezing, and it persisted in some northern areas on the 8th and in parts of central and southern England on the 15th. Hill fog occurred fairly frequently until mid-month and coastal fog was sometimes reported.

March - Hill and coastal fog developed at times, particularly during the first week. Occasional overnight fog patches in inland areas mostly cleared fairly quickly.

April - Fog was seldom reported in inland areas, but it formed extensively at times on the coasts and hills of south-west England and Wales in the latter part of the month.

May - Occasional overnight fog patches in inland areas soon cleared, but coastal fog occurred a little more frequently and there was some hill fog.

June - Fog mostly formed on coasts and hills. It occurred in the far north at the beginning of the month and in some southern areas around mid-month, but developed more widely during the last week.

July - Fog chiefly affected coastal areas, most frequently during the first half of the month. Extensive hill fog developed in some western districts on the 22nd and 23rd.

August - Patches of fog on coasts, and overnight fog in inland areas, again mostly occurred during the first two weeks.

September - Overnight fog patches in inland areas mostly cleared quickly, but fog was sometimes persistent on coasts, and particularly affected the north coast of mainland Scotland on the 14th, Shetland on the 26th and south-west England on the 27th.

October - Overnight fog was slow to clear in eastern England on the 8th and was widespread, dense and persistent in parts of England during the third week. A number of road accidents occurred and air and ferry services were disrupted.

November - Freezing fog patches occurred in the Manchester area and the north-west Midlands on the night of the 16th/17th, but the month was otherwise too windy for fog to form until after the 26th. Fog then became dense, freezing and slow to clear in places and freezing fog persisted in Glasgow from the 27th to the 30th.

December - The persistent, freezing fog in Glasgow finally lifted on the 1st, and although hill fog formed extensively around the end of the first week, fog generally occurred most frequently between the 13th and the 22nd.

MISCELLANEOUS PHENOMENA

An unusually sharp fall of pressure occurred in a short period in many parts o southern England on the morning of 25 January. At Kew Observatory (Greate London) a fall in pressure of 6.0 mb in 10 minutes was followed by an irregula rise of 4.5 mb. Occurrences of ball lightning were reported in both May and June: on 11 May in the area between Rothesay (on the Isle of Bute) and Glasgow, where some structural damage occurred in the suburbs, and on 8 June from the Coastguard Station at Fishguard (Dyfed). On the latter occasio an exceptionally large brilliant yellow-green transparent ball was observed descending from Garn Fawr mountain at 0227 GMT. The phenomenon then appeared to float down the hillside. A funnel clound was observed from Exete Airport (Devon) on 28 June at 1250 GMT and, on the same day, an observer Brampford Speke, near Exeter, noted the appearance of a green flame in his house, and also a smell of sulphur, following a clap of thunder. Three tornadoes over the Gower peninsula on 8 July whipped up large objects anc damaged property. On 8 August the Press reported a fall of grass and a little soil from the base of a shower cloud in the Poole (Dorset) area, and on the evening of 8 October a tornado in Grantham (Lincolnshire) was reported to have uprooted trees and damaged at least 60 houses.

Table 1 District values

1977

DISTRICT	air temperature °C					mean 30-cm earth temp °C	raindays	rainfall	sunshine
	Highest Max†	Lowest Min†	max	min	mean				
			difference from average					% of average	
0 Scotland N	30.0	−8.0	−0.2	−0.3	−0.3	−0.1	−14	98	105
1 Scotland E	28.6	−17.8	−0.2	+0.1	−0.1	+0.3	+1	106	106
2 England E & NE	26.7	−9.8	−0.4	+0.1	−0.1	+0.1	+9	104	101
3 East Anglia	27.3	−5.9	−0.3	+0.4	0.0	0.0	+16	95	96
4 Midland Counties	28.0	−9.0	−0.4	0.0	−0.2	−0.2	+12	110	98
5 England SE & Central S	28.4	−6.0	−0.2	+0.3	+0.1	−0.1	+19	107	95
6 Scotland W	30.0	−13.0	0.0	−0.1	−0.1	0.0	−2	104	112
7 England NW & Wales N	28.3	−12.8	−0.2	+0.2	0.0	−0.3	+13	105	103
8 England SW & Wales S	27.8	−5.5	−0.2	+0.1	0.0	+0.1	+17	103	97
N Ireland	28.5	−7.9	−0.1	−0.2	−0.1	+0.2	−5	99	106
Scotland	30.0	−17.8	−0.1	−0.1	−0.2	+0.1	−5	103	108
England & Wales	28.4	−12.8	−0.3	+0.2	0.0	−0.1	+14	104	98

† Highest max and lowest min of the District Value Stations

Table 2 Solar radiation and illumination

1977

Station	global radiation on a horizontal surface (milliwatt-hours per square centimetre)						diffuse radiation on a horizontal surface (milliwatt-hours per square centimetre)						global illumination on a horizontal surface (kilolux-hours)					
	max	date	min	date	daily mean	no. of days	max	date	min	date	daily mean	no. of days	max	date	min	date	daily mean	no. of days
Lerwick	782	May 25 27	1	Dec 9,22	218.0	362	424	Jun 26	1	Dec 8,9 20,22	132.7	359	962	May 25				300
Aberdeen University	835	Jun 21	4	Dec 9	235.8	365												
Eskdalemuir	912	Jun 21	4	Jan 4	250.4	365	410	Jun 11	4	Jan 4	130.8	365	1198	Jun 21	10	Nov 10 Dec 17	333.3	365
Aberporth	855	Jun 1	11	Jan 14	295.5	360	429	Jun 19	10	Jan 14	153.7	359						
Cardington	819	May 21	10	Dec 7	262.4	365	480	Apr 27	9	Dec 7	161.9	365						
Silsoe	802	May 27 Jul 2	9	Dec 7	259.7	365	395	May 31	7	Dec 7	159.1	365						
Rothamsted																		
Garston																		
Wallingford	769	Jul 2	5	Dec 16	235.9	365												
London Weather Centre	763	May 21	8	Dec 7	238.6	363	362	May 17	8	Jan 5	143.5	363	1022	Jul 2	12	Dec 7	311.1	363
Kew	790	Jul 2	9	Dec 7	247.1	365	396	May 17	9	Dec 7	148.4	365	968	Jul 2	12	Dec 7	299.0	365
Easthampstead	818	Jul 2	12	Dec 16	256.7	365	423	May 17	12	Dec 16	153.2	365	1090	Jul 2	17	Dec 16	328.1	365
East Malling	804	May 27	1	Dec 6	248.2	365												
Rustington	896	Jun 23	7	Dec 6	288.2	365												
Everton																		
Wareham	856	Jul 21	11	Dec 16	284.9	365												
Jersey Airport	847	Jun 1	8	Dec 7	315.9	365	418	Jun 2	8	Dec 7	154.1	365	1051	Jun 29	15	Dec 7	409.1	365
Aldergrove	828	Jun 19	11	Jan 25	262.1	360	389	May 18	10	Jan 4,25	146.1	360	1118	Jul 11	14	Jan 25	346.3	360

Table 3 Summary of daily observations

1977

District Region/County and Place	terminal h (GMT) of observation max	terminal h (GMT) of observation min	height of station above MSL (metres)	air temperature in °C means of max (a)	means of min (b)	daily mean (mean of a + b)	difference from 1941-70 average	highest max	lowest min	mean earth temperature 30 cm (°C)	mean earth temperature 100 cm (°C)	rainfall (terminal h 09 GMT) total fall (mm)	percentage of 1941-70 average	most in a day amount (mm)	most in a day date	weather (number of days) precip-itation 0.2 mm or more	precip-itation 1.0 mm or more	snow or sleet	snow lying at 9h	hail	ice pellets, etc.	thunder heard	fog at 9h	air frost	grass min below 0°C	concrete min below 0°C	gale	bright sunshine daily mean (hours)	percentage of 1941-70 average	exposure
0 SCOTLAND N																														
Shetland																														
Baltasound	9	9	24	9.4	4.2	6.8	-0.5	21.6	-5.3	7.2	-	1208	106	46	4 Aug	259	208	63	18	5	8	0	4	50	-	-	34	3.09	111	-
Fair Isle	9	9	57	8.9	5.7	7.3	-	17.8	-2.7	7.7	7.7	830	-	19	13 Jun 22 Jul 4 Aug	238	156	72	10	22	61	2	19	15	93	-	96	3.62	-	-
Lerwick	21-9		82																											
Psychrometer				8.8	4.9	6.9	-	20.5	-4.8	-	-	1148	-	26	4 Aug	234	177	63	20	12	46	3	14	42	100	-	33	3.06	105	-
Screen				8.9	4.9	6.9	-0.2	21.0	-4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orkney																														
Kirkwall Airport	21-9		26	9.9	5.0	7.5	-0.3	22.0	-4.2	-	-	882	86	23	19 Nov	232	170	72	9	20	57	2	4	38	72	69	26	3.18	99	-
Weyland	9	9	24	10.0	5.3	7.7	-	22.1	-3.7	8.2	-	841	-	35	18 Nov	227	163	43	7	14	19	3	7	21	95	-	28	-	-	-
Western Isles																														
Benbecula	21-9		6	11.0	6.2	8.6	-0.3	22.9	-4.5	-	-	1172	-	36	11 Oct	244	197	40	6	11	27	3	1	32	86	72	32	4.16	110	-
Stornoway	21-9		3	10.5	5.5	8.0	-0.3	21.5	-5.8	-	-	1104	-	34	11 Oct	241	189	39	4	4	52	1	3	38	76	58	29	3.89	114	-
Highland																														
Achany	9	9	107	10.7	3.0	6.9	-	27.3	-11.5	7.3	-	1019	-	23	18 Nov	228	164	49	45	6	7	3	4	84	170	-	21	3.20	-	-
Achnashellach	9	9	67	-	-	-	-	-	-7.4	-	-	2168	100	54	6 May	245	203	-	-	-	-	-	-	-	-	-	-	-	-	-
Balmacara	9	9	4	-	-	-	-	25.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cape Wrath	21-9		112	9.5	5.8	7.7	-0.2	21.4	-4.3	-	-	1005	87	38	6 May	222	173	40	7	18	23	0	12	10	36	35	41	3.25	-	-
Cassley	9	9	99	10.7	3.8	7.3	-	26.5	-8.0	-	-	1714	-	47	29 Sep	237	201	-	-	-	-	-	-	67	161	-	-	-	-	-
Corpach	9	9	8	12.3	4.7	8.5	-	29.9	-6.5	-	-	2006	-	77	1 Sep	220	195	17	-	0	6	4	7	54	100	-	0	-	-	-
Craigdarroch	9	9	38	11.9	3.2	7.5	-	29.4	-8.7	-	-	923	-	28	14 Nov	215	155	43	39	11	1	4	2	96	151	-	0	-	-	-
Dalcross	9	9	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dalwhinnie	9	9	351	9.5	-	-	-	26.7	-	-	-	(1225)	-	39	30 Oct	234	185	73	39	0	1	2	31	-	-	-	18	3.14	-	S
Diabaig	9	9	46	11.9	5.9	8.9	-	24.9	-2.8	-	-	1316	-	46	6 May	228	185	31	-	2	30	3	-	26	-	-	31	-	-	S
Dounreay	9	9	21	10.9	-	-	-	27.0	-	-	-	872	97	29	6 May	214	161	15	12	0	2	0	13	-	78	-	10	3.43	-	-
Fort Augustus	9	9	21	11.6	4.5	8.1	0.0	27.9	-7.6	-	-	1058	-	31	25 Aug	213	164	28	12	6	6	5	10	66	-	-	5	3.04	108	-
Fortrose	9	9	5	10.7	6.0	8.3	0.4	22.5	-3.5	-	-	634	98	20	6 May	181	132	-	-	-	-	-	7	25	-	-	-	(3.39)	(101)	-
Glenmore Lodge	9	9	341	10.1	2.1	6.1	-	28.2	-13.8	-	-	1169	109	27	25 Aug	243	182	62	77	2	1	0	7	124	198	144	2	3.21	-	S
Grantown-on-Spey	9	9	229	10.6	2.3	6.5	-	28.2	-14.1	-	-	785	-	23	19 Nov	228	147	53	62	0	7	3	2	112	213	-	0	3.49	-	-
Heaste	9	9	109	-	-	-	-	24.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inverness	9	9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inverpolly	9	9	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isle of Rhum	9	9	5	-	-	-	-	24.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Keiss	9	9	30	10.1	4.5	7.3	-	22.5	-5.0	8.0	8.1	757	-	30	19 Nov	212	158	29	14	13	30	1	7	45	100	-	12	3.49	-	-
Knockanrock	9	9	244	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lagganlia	9	9	250	10.6	2.1	6.3	-	27.9	-18.7	-	-	(804)	-	47	8 Jul	220	151	53	54	0	5	4	6	112	-	-	14	-	-	-
Lairg	9	9	107	10.9	2.8	6.9	-	27.5	-11.1	7.1	7.2	1041	-	25	24 Aug	233	164	68	42	23	3	3	11	94	144	-	0	-	-	-
Lentran	9	9	146	10.6	-	-	-	26.0	-6.6	-	-	748	-	34	25 Aug	202	143	-	-	-	-	-	-	-	-	-	-	-	-	-
Nairn	9	9	6	11.5	4.3	7.9	-0.4	24.2	-8.6	-	-	572	93	16	6 May 25 Aug	200	120	31	4	11	12	2	2	59	118	-	15	3.71	105	-
Onich	9	9	15	12.4	4.5	8.5	-0.1	30.0	-8.0	-	-	2001	99	40	6 May	208	200	-	3	-	-	-	36	49	-	-	-	3.04	105	S
Poolewe	9	9	6	11.8	5.6	8.7	-	25.3	-5.3	-	-	1284	-	53	6 May	241	196	34	19	7	35	3	2	39	78	-	30	-	-	S
Prabost	9	9	67	11.1	4.9	8.0	-	25.0	-5.2	-	-	1410	78	36	6 May	243	201	25	25	4	54	1	3	36	118	-	55	3.93	-	-
Rubh Re	21-9		16	-	-	-	-	24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Strathconon	9	9	107	-	-	-	-	28.2	-	-	-	1329	-	42	24 Aug	243	179	-	-	-	-	-	-	-	-	-	-	-	-	-
Tarbatness	21-9		18	10.5	5.7	8.1	-0.2	21.5	-4.0	-	-	549	-	23	6 May	194	121	23	5	1	1	2	5	27	-	-	7	-	-	-
Tomatin	9	9	311	-	-	-	-	-	-11.7	-	-	(925)	-	32	6 May	225	166	64	-	0	18	1	-	-	-	-	0	-	-	-
Torrisdale	9	9	27	10.7	4.7	7.7	-	24.8	-7.2	-	-	862	-	37	6 May	228	163	30	10	0	31	4	3	48	90	-	30	-	-	-
Wick	21-9		36	9.9	5.0	7.5	-0.2	21.9	-5.6	-	-	751	95	29	19 Nov	217	141	43	10	0	54	1	6	49	108	77	13	3.47	100	-

Table 3 (continued)

District Region/County and Place	terminal h (GMT) of observation max	terminal h (GMT) of observation min	height of station above MSL (metres)	air temperature in °C means of max (a)	means of min (b)	daily mean (mean of a + b)	difference from 1941-70 average	highest max	lowest min	mean earth temperature 30 cm (°C)	mean earth temperature 100 cm (°C)	rainfall (terminal h 09 GMT) total fall (mm)	rainfall percentage of 1941-70 average	most in a day amount (mm)	most in a day date	weather (number of days) precipitation 0.2 mm or more	precipitation 1.0 mm or more	snow or sleet	snow lying at 9h	hail	ice pellets, etc.	thunder heard	fog at 9h	air frost	grass min below 0°C	concrete min below 0°C	gale	bright sunshine daily mean (hours)	bright sunshine percentage of 1941-70 average	exposure
1 SCOTLAND E																														
Grampian																														
Aberdeen																														
Dyce Airport	21-9	58		11.0	4.5	7.7	0.0	24.9	-11.3	-	-	868	105	33	9 Feb	202	144	55	22	9	45	3	4	63	127	94	5	3.71	101	-
Mannofield	9 9	16		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Balmoral	9 9	283		10.2	2.3	6.3	-0.2	27.4	-16.4	-	-	929	111	29	22 Aug	210	158	43	59	1	0	1	-	113	166	-	1	-	-	-
Banchory	9 9	77		11.3	4.0	7.7	-	26.7	-8.0	-	-	929	-	39	14 Jan	203	144	-	-	-	-	-	-	71	-	-	-	-	-	-
Banff	9 9	24		10.7	5.6	8.1	-	26.2	-7.1	-	-	718	96	29	4 Aug	204	143	-	4	-	-	-	6	27	-	-	-	3.18	-	-
Braemar	9 9	339		-	2.3	-	-	27.7	-17.8	-	-	(945)	(108)	42	30 Oct	219	163	-	72	-	-	-	2	104	235	-	-	3.41	111	S
Clashnoir	9 9	338		9.5	2.3	5.9	-	26.7	-12.4	6.2	-	(938)	-	23	14 Nov	(230)	(175)	79	69	2	22	2	12	107	167	-	32	3.30	-	-
Craibstone	9 9	91		10.5	(4.3)	(7.4)	(-0.3)	24.3	-7.6	7.9	7.9	902	106	33	9 Feb	214	151	33	25	1	3	2	17	54	140	-	5	3.86	102	-
Culterty	9 9	3		10.8	4.3	7.5	-	23.8	-9.7	-	-	773	111	18	5 May	202	146	26	-	1	2	1	12	60	119	-	3	-	-	-
Elgin	9 9	15		(11.5)	(4.7)	(8.1)	-	26.5	-9.5	-	-	634	86	21	6 May	197	133	-	-	-	-	-	4	51	98	-	-	3.42	-	-
Forehill	9 9	40		10.3	4.7	7.5	-	23.0	-6.8	-	-	819	-	38	25 Aug	193	148	-	-	-	-	-	-	42	72	-	-	-	-	-
Forres	9 9	5		11.7	4.9	8.3	0.0	28.5	-11.1	8.8	9.1	640	-	21	25 Aug	188	125	43	7	1	13	3	3	55	126	-	1	3.31	93	-
Fraserburgh	21-9	19		-	5.8	-	-	-	-1.5	-	-	742	108	21	23 Jul	181	152	26	3	2	1	1	7	14	68	-	27	3.35	-	-
Fyvie Castle	9 9	55		10.8	3.5	7.1	-	25.5	-14.0	-	-	966	111	27	2 Aug	237	175	27	-	0	7	5	-	77	134	-	47	-	-	-
Gartly	9 9	146		10.7	3.7	7.2	-	27.6	-13.5	-	-	965	-	26	4 Aug	224	157	-	-	-	-	-	-	66	148	-	-	-	-	-
Glenlivet	21-9	215		-	-	-	-	-	-14.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	S
Inverurie	9 9	54		11.2	3.6	7.4	-	25.4	-12.9	-	-	865	-	26	10 Feb	206	137	37	26	1	2	2	9	79	148	-	0	3.49	-	-
Keith	9 9	106		10.9	3.4	7.1	-	27.5	-15.6	-	-	858	-	28	10 Nov	223	152	36	-	0	9	1	-	76	140	-	3	3.50	-	-
Kinloss	21-9	5		11.4	5.0	8.2	-0.1	28.4	-11.1	8.5	-	595	93	27	25 Aug	196	122	49	8	2	36	2	2	59	126	78	12	3.45	-	-
Lossiemouth	21-9	6		11.2	4.8	8.0	-	28.5	-8.7	-	-	589	90	22	6 May	201	125	49	8	0	31	3	2	55	118	98	14	-	-	-
Tayside																														
Arbroath	9 9	28		11.0	5.6	8.3	-	25.5	-5.0	-	-	674	104	32	10 Feb	175	121	12	8	0	4	0	7	27	98	-	3	4.38	107	-
Ardtalnaig	9 9	130		11.6	4.5	8.1	-	29.1	-7.2	-	-	1320	103	35	30 Oct	217	166	31	13	0	3	12	3	47	102	-	12	3.46	-	-
Drummond Castle	9 9	113		11.4	3.9	7.7	-	28.1	-8.5	8.5	-	1287	-	44	30 Oct	212	164	18	27	0	0	7	-	64	161	-	0	3.96	-	S
Dundee	9 9	45		12.0	5.1	8.5	0.0	26.1	-6.1	9.0	-	(743)	(98)	49	9 Feb	157	127	23	15	3	9	5	31	37	-	-	1	-	-	-
Faskally	9 9	94		11.7	(3.7)	(7.7)	-	29.0	-11.5	8.5	8.7	784	89	22	15 Mar	200	147	31	22	0	3	1	1	64	153	-	0	-	-	-
Kindrogan	9 9	259		10.3	2.1	6.2	-	27.7	-12.0	-	-	938	-	29	30 Oct	214	156	59	66	0	13	2	11	114	199	-	4	-	-	-
Kinross	9 9	116		11.2	2.8	7.0	-	26.6	-10.5	8.0	-	989	-	35	9 Feb	201	149	-	-	-	-	-	-	102	108	-	-	3.66	-	-
Montrose	9 9	57		10.8	4.8	7.8	-	25.1	-5.1	-	-	766	106	37	9 Feb	176	128	27	19	6	5	1	10	41	109	-	6	-	-	-
Mylnefield	9 9	30		11.5	5.0	8.3	-	25.3	-7.0	8.6	8.4	731	103	49	9 Feb	170	122	16	14	0	3	2	10	38	151	-	0	4.31	-	-
Perth	9 9	23		12.1	4.5	8.3	-0.1	28.7	-8.9	-	-	(737)	(95)	56	9 Feb	160	129	-	11	-	-	-	16	54	146	-	-	-	-	-
Strathallan	9 9	41		12.1	4.7	8.4	-	28.1	-8.2	-	-	808	-	39	30 Oct	178	128	23	13	1	12	5	4	54	-	-	13	-	-	-
Usan	21-9	30		10.6	5.4	8.0	-	25.3	-4.2	-	-	708	-	28	10 Feb	170	123	19	5	0	1	2	9	33	75	68	10	4.31	-	-
Whitehillocks	9 9	258		10.6	2.9	6.7	-	25.8	-10.3	-	-	1327	112	46	9 Dec	220	151	47	45	-	-	-	-	94	-	-	-	-	-	S
Fife																														
Belliston	9 9	82		11.0	5.4	8.2	-	24.6	-5.2	8.7	-	862	113	45	14 Jan	177	134	23	10	2	11	1	16	35	116	-	4	-	-	-
Cupar	9 9	36		11.6	4.5	8.1	-	25.5	-8.4	8.7	-	826	-	41	14 Jan	186	128	18	15	0	10	3	-	64	128	-	1	3.86	-	S
Glenrothes	9 9	117		10.9	4.4	7.7	-	24.7	-8.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-	-	-	-	-	-
Leuchars	21-9	10		11.3	5.0	8.1	-0.4	25.5	-11.6	-	-	735	111	39	7 Oct	167	118	31	8	1	7	2	8	57	117	-	8	4.22	104	-
Pitreavie	21-9	40		11.6	5.5	8.5	-	25.3	-5.5	-	-	791	112	40	30 Oct	192	130	26	7	13	1	4	8	46	-	-	6	-	-	-
St. Andrews	9 9	18		11.4	5.6	8.5	-	25.3	-5.5	8.9	8.9	789	116	39	9 Feb	169	125	12	6	0	8	1	-	38	110	-	0	-	-	-
Lothian																														
Blackburn Sewage Works	9 9	131		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bush House	9 9	184		10.8	4.2	7.5	-	26.1	-8.8	8.1	8.1	920	106	43	14 Jan	208	137	25	27	3	4	2	11	57	122	-	1	3.49	-	-
Dunbar	9 9	23		11.5	5.9	8.7	0.0	24.5	-6.0	-	-	603	106	28	30 Oct	168	97	13	2	0	1	0	4	27	77	-	3	4.02	97	-
Edinburgh																														
East Craigs	9 9	61		11.8	4.8	8.3	-	26.2	-7.5	8.9	-	754	-	54	30 Oct	166	110	15	7	2	3	5	9	49	-	-	4	4.01	-	-
Royal Botanic Garden	9 9	26		12.1	5.5	8.8	+0.1	24.5	-6.5	9.1	-	742	112	48	30 Oct	172	112	13	3	0	6	1	4	45	138	-	0	3.96	109	-
Royal Observatory																														
Blackford Hill	9 9	134		11.4	5.1	8.3	-0.3	26.0	-5.2	-	-	782	116	41	30-Oct	172	126	21	15	0	11	2	7	49	74	-	24	3.80	101	-
Turnhouse Airport	21-9	35		11.9	5.2	8.5	0.0	24.9	-7.8	-	-	788	116	51	30 Oct	184	120	34	5	5	18	5	7	54	157	96	1	3.89	110	-
Haddington	9 9	49		12.0	4.8	8.4	-	26.4	-11.0	-	-	641	105	42	14 Jan	167	101	21	6	0	13	2	3	45	-	-	0	-	-	S
Livingston	9 9	125		11.4	4.0	7.7	-	29.0	-11.2	-	-	966	-	68	30 Oct	207	145	19	11	0	0	4	11	62	143	-	1	-	-	-
Nunraw Abbey	9 9	195		10.6	4.4	7.5	-	25.0	-8.2	-	-	918	-	48	14 Jan	212	131	-	24	-	-	-	-	55	-	-	-	-	-	-
Pathhead	9 9	131		11.2	4.8	8.0	-	26.6	-11.3	8.3	-	652	-	39	14 Jan	177	118	25	13	0	0	3	8	42	83	-	0	-	-	-
Penicuik	9 9	189		11.1	4.0	7.5	-0.2	27.2	-9.5	8.2	-	929	103	47	14 Jan	203	146	29	33	0	8	3	12	64	127	-	6	3.35	99	S
Borders																														
Blyth Bridge	9 9	253		10.5	3.6	7.1	-	27.4	-12.8	-	-	876	98	35	30 Oct	210	159	37	26	5	8	4	7	68	152	-	12	3.48	-	-
Blythe	9 9	262		10.5	3.5	7.0	-	26.7	-11.0	-	-	833	97	49	30 Oct	213	144	-	36	-	-	-	-	80	-	-	-	3.87	-	-
Bonchester Bridge	9 9	146		-	-	-	-	-	-12.0	-	-	822	-	50	30 Oct	204	160	-	-	-	-	-	-	-	-	-	-	-	-	-
Bowhill (Selkirk)	9 9	168		11.4	3.7	7.5	-	28.7	-10.8	-	-	953	109	65	30 Oct	205	144	36	25	1	17	10	11	66	-	-	8	-	-	-
Floors Castle	9 9	59		11.7	4.4	8.1	-	26.7	-8.3	-	-	619	89	21	9 Feb	179	129	17	12	0	0	1	16	58	-	-	3	-	-	-
Galashiels	9 9	198		10.8	4.0	7.4	-	26.2	-9.3	-	-	777	-	57	30 Oct	200	139	34	21	1	8	3	7	64	108	-	0	3.59	-	-
Glentress	9 9	165		11.7	3.6	7.7	-	29.0	-14.0	-	-	815	97	41	30 Oct	197	155	-	-	-	-	-	7	66	-	-	-	-	-	-
Greycrook	9 9	76		11.7	3.9	7.8	-	27.0	-13.2	9.0	-	636	-	23	9 Feb	175	122	20	17	1	2	1	-	68	146	-	2	-	-	-
Kelso	9 9	34		12.1	4.7	8.4	-	28.2	-7.9	-	-	569	-	24	14 Jan	173	110	21	12	0	9	0	8	58	128	-	0	-	-	S
Leitholm	9 9	64		11.6	4.1	7.9	-	25.6	-10.5	8.6	-	638	-	23	6 Jun	207	118	18	12	0	6	1	14	60	136	-	14	3.85	-	-
St. Abbs Head	9 9	75		10.8	6.0	8.4	-0.1	24.0	-3.4	-	-	-	-	-	-	-	-	17	3	1	4	0	13	19	42	-	69	-	-	-
Stanhope Farm	9 9	226		10.8	3.4	7.1	-	28.3	-13.9	-	-	1208	110	72	30 Oct	221	169	42	25	2	12	5	3	71	124	-	13	-	-	-
West Linton	9 9	244		10.8	3.4	7.1	+0.1	27.5	-14.5	7.5	7.7	947	101	36	30 Oct	217	166	18	-	0	2	0	12	82	119	-	0	-	-	-
Whitchester	9 9	255		10.2	3.7	6.9	-	24.1	-10.0	-	-	988	107	39	14 Jan	208	139	46	44	0	39	3	-	63	-	-	34	-	-	-

 See page 258

Table 3 (continued)

District Region/County and Place	Height of barometer above msl (metres)	Hour of observation (GMT)	mean pressure: at MSL (mb)	mean pressure: difference from 1941-70 average	mean temperature and humidity: dry bulb (°C)	mean temperature and humidity: depression of wet bulb (°C)	mean temperature and humidity: vapour pressure (mb)	mean temperature and humidity: relative humidity (%)	cloud amount: mean	cloud amount: oktas: 0	1-2	3-5	6-7	8	sky obscured	visibility: 0-39m	40-190m	200-390m	400-990m	1000-1900m	2000-3900m	4-9km	10-19km	20-39km	40km and over	wind speed and direction: beaufort force: 8 or more	6-7	4-5	1-3	calm	speed (kt): 34 or more	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
										number of observations																																		
6 SCOTLAND W — cont.																																											
Strathclyde																																											
Sloy	–	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	–	–	8.5	1.6	9.1	79	5.9	16	36	55	125	133	0	0	0	0	0	0	0	4	91	267	3	0	0	30	286	49	13	25	12	50	45	49	44	78
		15	–	–	10.8	2.5	9.4	71	6.1	5	23	76	136	125	0	0	0	0	0	0	0	2	84	276	3	0	0	19	319	27	21	21	8	63	72	53	39	61
		21	–	–	8.5	1.5	9.2	80	5.7	19	46	70	87	143	0	0	0	0	0	0	0	4	87	272	2	0	0	22	299	44	14	14	10	36	45	48	60	94
Tiree	10	3	1010.4	–	8.0	0.8	9.8	88	5.3	13	76	58	98	120	0	0	0	1	4	3	7	47	85	106	112	14	77	161	96	17	46	26	29	54	58	42	55	35
		9	1010.8	– 0.8	9.1	1.1	10.1	85	5.7	3	51	69	162	80	0	0	0	0	2	2	5	55	79	104	118	6	83	191	79	6	51	28	23	56	71	44	56	30
		15	1010.6	–	10.2	1.5	10.3	81	5.7	3	54	73	138	96	1	0	0	0	1	0	9	44	87	87	137	8	92	182	81	2	67	14	15	54	75	48	51	39
		21	1010.7	–	8.6	1.0	10.0	86	5.5	7	74	53	124	107	0	0	0	0	0	2	8	59	88	100	108	8	93	157	98	9	63	28	23	62	40	50	54	36
Dumfries & Galloway																																											
Eskdalemuir	237	3	1012.1	–	4.9	0.7	8.2	90	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	17	95	165	86	74	19	6	15	68	37	33	27
		9	1012.2	– 1.0	7.0	1.3	8.7	83	6.1	11	40	49	133	131	1	0	2	1	3	7	26	55	93	114	64	0	24	122	190	29	66	35	15	38	75	46	44	17
		15	1011.6	–	9.3	2.3	9.0	75	6.1	2	29	80	143	111	0	0	0	1	3	6	10	41	77	129	98	3	22	147	173	20	45	46	18	30	82	51	57	16
		21	1012.4	–	6.3	1.0	8.6	87	5.7	17	50	65	98	134	1	0	1	1	4	6	14	75	86	130	48	1	17	96	194	57	65	29	9	22	73	43	41	26
2 ENGLAND E & NE																																											
Northumberland																																											
Boulmer	27	3	1011.7	–	6.8	0.7	9.2	90	5.3	35	62	42	100	123	3	0	2	3	5	11	38	66	55	95	90	1	13	116	223	12	41	18	10	17	87	53	85	42
		9	1012.0	–	8.4	1.1	9.7	85	5.9	5	51	56	160	92	1	0	0	1	3	16	26	66	67	90	96	0	18	155	188	4	60	25	18	36	66	52	68	36
		15	1011.8	–	9.8	1.6	10.1	80	5.9	3	45	69	151	95	2	0	2	0	4	12	28	59	64	102	94	0	24	155	180	6	70	24	38	55	50	57	49	16
		21	1012.2	–	7.7	0.8	9.7	89	5.3	18	70	69	81	123	4	0	3	4	5	4	28	79	60	124	58	0	14	120	222	9	47	15	17	38	78	66	67	28
Seahouses	12	3	1011.4	–	–	–	–	–	4.9	27	82	61	86	104	5	2	2	2	3	18	85	61	186	4	2	35	103	206	19	60	24	11	7	87	53	87	17
		9	1011.7	–	–	–	–	–	5.7	5	50	77	140	88	5	1	1	1	5	16	13	80	56	172	20	2	41	129	180	13	69	27	17	13	79	46	80	21
		15	1011.6	–	–	–	–	–	5.8	3	38	85	153	83	3	0	2	0	3	14	20	74	65	150	37	4	29	145	176	11	70	28	35	18	73	46	68	16
		21	1011.8	–	–	–	–	–	5.2	19	68	73	102	96	7	1	1	2	5	5	14	81	68	186	2	3	29	113	209	11	60	14	28	18	96	55	76	7
Tyne & Wear																																											
Newcastle	72	3	1012.2	–	7.5	1.1	9.1	85	5.5	28	57	45	87	146	2	0	2	1	5	8	40	93	77	103	36	0	0	62	270	33	45	22	15	17	71	57	79	26
Weather Centre (X)		9	1012.6	–	8.7	1.6	9.1	79	5.8	6	52	65	125	116	1	0	1	1	3	5	50	78	88	89	50	0	4	92	253	16	37	36	20	20	75	39	86	36
		15	1012.3	–	10.8	2.6	9.2	70	5.9	5	40	73	149	98	0	0	0	0	1	8	26	66	92	122	50	0	0	134	222	9	29	50	51	22	57	41	79	27
		21	1012.7	–	8.7	1.5	9.4	81	5.4	16	67	63	92	127	0	0	0	0	1	6	7	36	97	112	92	14	0	0	75	274	16	45	22	34	27	75	54	70	22
Tynemouth	40	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	1012.8	– 0.7	8.7	1.2	9.8	84	6.0	7	34	79	127	111	7	2	4	0	1	10	37	38	192	81	0	3	52	153	145	12	70	23	18	9	97	25	95	16
		15	1012.6	–	10.1	1.7	10.1	79	6.0	10	21	89	119	122	4	0	3	1	2	12	32	42	162	111	0	4	42	182	133	4	64	26	43	31	69	23	93	12
		21	1012.9	–	8.9	1.2	9.9	84	5.3	28	55	73	87	120	2	0	2	0	3	4	18	42	221	75	0	5	40	142	166	12	65	13	27	16	108	20	92	12
North Yorkshire																																											
Leeming	33	3	1012.7	–	7.0	0.9	9.1	87	5.5	29	61	42	95	126	12	0	8	3	10	18	31	74	55	88	78	0	8	95	250	12	72	8	10	66	70	30	56	41
		9	1013.1	– 0.9	8.6	1.5	9.4	81	6.0	8	43	54	140	107	13	0	6	3	11	13	22	76	72	78	84	0	15	155	187	8	78	19	12	63	61	27	58	39
		15	1012.6	–	11.2	2.6	9.5	70	6.0	5	35	66	158	100	1	0	0	1	7	8	23	56	74	96	100	0	20	187	155	3	71	40	16	38	65	39	75	18
		21	1013.2	–	8.5	1.3	9.5	83	5.5	17	69	48	97	126	8	0	3	5	7	12	19	69	65	106	79	0	8	97	254	6	74	13	16	58	66	40	59	33
Whitby C.G.	66	3	1012.5	–	7.7	0.7	9.7	90	5.5	20	58	64	54	161	8	0	3	0	5	1	16	59	90	100	91	9	39	135	161	21	34	29	17	17	101	74	44	28
		9	1012.9	–	8.7	1.0	10.0	87	6.0	6	28	77	124	125	5	1	3	2	6	6	17	71	77	129	53	8	47	146	141	23	32	40	11	27	82	60	39	51
		15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		21	1013.0	–	8.6	0.9	10.1	87	5.6	15	54	74	71	148	3	0	0	1	5	5	14	70	75	136	59	4	43	124	165	29	23	43	16	28	94	70	35	26
Humberside																																											
Spurn Point	20	3	1013.0	–	8.4	1.0	9.9	87	5.0	46	61	62	57	131	8	0	3	1	6	5	8	41	169	132	0	1	33	188	124	19	46	29	12	33	76	52	65	33
		9	1013.5	–	9.2	1.3	10.0	83	5.6	3	45	85	129	93	10	1	5	3	5	11	20	72	162	85	1	0	36	198	111	20	53	28	19	32	63	58	52	40
		15	1013.3	–	10.8	2.1	10.1	76	5.9	4	40	74	138	104	5	0	4	1	3	7	25	54	167	103	1	0	37	203	114	11	65	35	35	38	50	50	67	14
		21	1013.6	–	9.2	1.2	10.1	84	5.4	23	65	58	86	127	6	1	3	4	0	6	11	51	179	110	0	1	31	195	125	13	55	32	26	37	74	48	59	21
Lincolnshire																																											
Binbrook	112	3	1013.1	–	6.7	0.6	9.3	91	5.6	25	61	44	79	153	3	1	11	4	9	24	47	79	87	96	7	1	14	156	188	6	55	25	15	20	69	93	46	36
		9	1013.5	–	8.3	1.1	9.7	86	5.9	4	49	57	152	97	6	0	8	3	9	10	30	71	102	121	11	0	24	204	132	5	49	38	19	30	57	79	47	41
		15	1013.1	–	10.3	2.0	9.8	77	6.2	2	31	60	171	100	1	0	2	4	0	4	22	77	83	147	26	0	29	206	129	1	42	55	30	19	53	66	73	26
		21	1013.6	–	7.8	0.9	9.7	88	5.7	8	60	58	109	127	3	0	5	3	5	12	54	77	87	115	7	1	17	164	178	5	50	32	31	24	73	70	55	25
Waddington	70	3	1013.2	–	7.1	0.7	9.4	90	5.4	42	38	57	93	129	6	0	6	5	13	24	36	82	96	89	14	1	6	129	227	2	53	26	24	36	43	98	41	42
		9	1013.7	– 1.0	8.8	1.3	9.8	83	5.7	9	58	56	147	86	9	0	10	3	9	9	23	71	83	119	38	0	9	195	160	1	43	30	27	33	50	76	56	49
		15	1013.2	–	11.3	2.5	9.8	72	5.9	9	38	67	150	99	2	0	2	1	1	10	24	56	60	149	62	1	22	199	142	1	48	45	24	29	46	68	68	36
		21	1013.8	–	8.3	1.0	9.8	86	5.5	25	57	54	104	122	3	0	3	3	4	14	32	67	97	130	15	1	6	137	218	3	48	34	37	45	54	72	51	21
3 EAST ANGLIA																																											
Norfolk																																											
Coltishall	17	3	1013.2	–	7.9	0.8	9.8	88	5.7	24	46	55	88	142	10	0	15	8	15	18	37	76	97	95	4	0	8	109	223	25	48	26	25	24	49	69	68	31
		9	1013.8	–	10.0	1.5	10.3	81	6.1	8	37	45	170	98	7	0	6	4	3	14	20	96	86	94	42	0	9	168	183	5	53	33	23	31	52	70	60	38
		15	1013.5	–	11.8	2.5	10.2	71	6.2	4	33	55	181	91	1	0	1	1	4	17	71	85	124	61	0	14	193	158	0	58	34	27	25	56	67	61	37
		21	1013.9	–	8.9	1.1	10.1	85	5.6	19	61	45	112	121	7	0	8	6	4	9	38	75	99	103	23	0	8	106	237	14	50	36	20	36	64	67	58	20
Marham	24	3	1013.4	–	7.4	0.5	9.9	93	5.6	29	48	50	87	141	10	0	6	5	14	10	47	95	62	110	16	1	3	118	240	3	52	29	32	49	65	71	36	28
		9	1014.0	– 1.1	9.5	1.1	10.6	86	6.1	6	40	49	152	112	6	0	4	3	4	12	22	90	76	99	55	0	5	185	175	0	48	41	27	33	66	70	35	45
		15	1013.5	–	11.9	2.3	10.5	74	6.1	2	38	57	174	92	2	0	2	0	0	4	14	71	61	122	91	0	13	212	140	0	52	46	29	25	52	64	64	33
		21	1014.1	–	8.7	0.9	10.3	88	5.6	19	70	41	97	135	3	0	2	2	4	10	25	87	80	120	35	0	9	121	234	1	42	47	29	52	67	64	40	23
Cambridgeshire																																											
Wittering	76	3	1013.7	–	7.1	0.6	9.5	90	5.5	21	58	61	89	122	14	2	10	7	12	15	40	81	79	98	21	1	7	133	218	6	61	28	22	25	50	65	74	34
		9	1014.2	– 0.8	8.9	1.3	9.9	84	5.8	5	59	60	136	89	16	0	14	6	6	12	26	67	83	113	38	0	13	188	160	4	51	40	22	26	58	65	65	34
		15	1013.6	–	11.6	2.5	10.0	72	6.1	5	38	53	164	102	3	0	0	1	5	3	16	65	60	144	71	0	21	199	145	0	41	53	23	20	56	65	66	41
		21	1014.2	–	8.5	1.1	9.9	86	5.4	20	66	60	93	120	6	0	4	2	4	20	27	72	84	121	31	1	8	134	219	3	44	51	26	30	60	58	65	28
Wyton	43	3	1013.7	–	7.5	0.6	9.7	91	5.5	39	46	43	112	117	8	1	8	6	11	20	41	93	81	92	12	1	4	112	243	5	65	22	21	26	54	96	49	27
		9	1014.3	–	9.3	1.2	10.2	85	6.1	7	40	40	167	104	7	0	7	5	6	15	26	85	88	96	37	0	3	166	195	1	56	30	31	25	63	79	44	36
		15	1013.6	–	12.1	2.5	10.5	73	6.2	4	30	55	181	93	2	0	1	0	2	7	16	72	61	132	74	0	13	193	158	1	50	52	20	18	56	85	54	29
		21	1014.2	–	9.0	1.1	10.2	86	5.4	22	59	55	116	111	2	0	2	0	9	13	24	92	70	129	26	1	5	114	236	7	53	38	24	34	57	84	44	24
Suffolk																																											
Aldeburgh	9	9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		21	1014.8	–	–	–	–	–	4.7	107	7	52	52	147	0	1	3	1	0	5	15	95	242	0	3	2	46	119	173	25	46	45	11	27	48	69	70	24
Honington	51	3	1013.6	–	7.4	0.7	9.6	90	5.7	27	46	46	97	138	11	0	14	3	11	17	59	95	81	78	7	0	6	100	245	14	48	16	30	28	59	81	56	33
		9	1014.1	–	9.5	1.4	10.1	83	6.0	7	42	52	163	95	6	0	7	0	8	15	30	84	65	110	46	0	3	164	196	2	53	28	28	26	69	70	53	36
		15	1013.6	–	12.0	2.8	9.8	69	6.1	3	42	53	172	94	1	0	0	1	1	7	14	72	54	127	89	0	6	197	161	1	56	33	32	21	63	74	61	24
		21	1014.2	–	8.7	1.2	9.8	85	5.6	18	64	45	107	126	5	0	3	4	8	10	36	90	78	116	20	0	10	104	245	6	61	25	31	40	75	67	44	16
Wattisham	91	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	1014.1	–	9.4	1.1	10.5	86	5.9	5	45	65	157	83	10	0	11	4	11	10	30	63	143	73	20	0	24	210	129	2	60	30	23	23	66	73	51	37
		15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Bedfordshire																																											
Cardington	30	3	1014.0	–	7.2	0.4	10.0	94	5.6	39	38	45	96	139	8	0	8	4	10	1	29	100	138	73	2	1	4	105	245	10	38	47	31	24	43	81	70	21
		9	1014.5	– 0.9	9.5	1.1	10.7	86	6.2	4	39	45	158	111	8	0	4	7	3	7	26	91	143	76	8	0	3	144	214	4	37	52	38	24	44	75	58	33
		15	1013.8	–	12.4	2.4	10.8	74	6.4	1	19	58	183	104	0	0	0	0	3	19	53	156	128	6	0	16	168	180	1	29	55	43	18	52	64	68	35
		21	1014.5	–	8.8	0.8	10.5	89	5.4	22	58	56	108	121	0	0	2	1	1	1	20	87	172	81	0	0	8	107	245	5	23	56	39	31	54	66	67	24

Table 3 (continued)

District Region/County and Place	terminal h (GMT) of observation max	terminal h (GMT) of observation min	height of station above MSL (metres)	air temperature in °C means of max (a)	means of min (b)	daily mean (mean of a + b)	difference from 1941-70 average	highest max lowest min max	highest max lowest min min	mean earth temperature 30 cm (°C)	mean earth temperature 100 cm (°C)	rainfall (terminal h 09 GMT) total fall (mm)	rainfall (terminal h 09 GMT) percentage of 1941-70 average	most in a day amount (mm)	most in a day date	weather (number of days) precipitation 0.2 mm or more	precipitation 1.0 mm or more	snow or sleet	snow lying at 9h	hail	ice pellets, etc.	thunder heard	fog at 9h	air frost	grass min below 0°C	concrete min below 0°C	gale	bright sunshine daily mean (hours)	bright sunshine percentage of 1941-70 average	exposure
2 ENGLAND E & NE—cont.																														
Cleveland																														
Hartburn Grange	9	9	31	12.0	4.8	8.4	-	26.3	-10.6	-	-	521	93	19	13 Jan	178	107	15	6	3	6	5	13	50	(128)	-	12	3.22	-	-
Hartlepool	9	9	9	12.0	6.5	9.3	-0.1	25.0	-6.3	-	-	581	97	27	13 Jan	180	119	13	3	2	5	1	6	22	-	-	6	3.61	-	-
North Yorkshire																														
Askham Bryan	9	9	34	(12.4)	(4.8)	(8.6)	-	26.7	-7.5	-	-	603	97	23	19 Oct	181	124	-	-	-	-	-	-	(54)	-	-	-	(3.68)	(103)	-
Cawood	9	9	6	12.4	(5.4)	(8.9)	-	27.0	-6.0	9.5	9.8	608	103	18	19 Oct	162	125	6	3	0	0	1	15	34	116	-	5	3.64	-	-
High Mowthorpe	9	9	175	(10.9)	(5.0)	(7.9)	-	26.0	-7.0	8.5	-	783	102	40	13 Jan	207	151	23	19	0	1	1	32	42	(108)	-	1	(3.70)	-	-
Leeming	21-9	9	32	12.2	5.8	9.0	-	27.1	-7.6	9.0	9.4	604	99	19	25 Jan	175	117	23	5	4	3	4	20	38	98	63	3	3.45	-	-
Malham Tarn	9	9	395	(9.7)	-	-	-	24.0	-7.4	-	-	1483	100	36	25 Jan	(227)	(182)	35	-	2	10	1	-	-	(168)	-	0	-	-	-
Pickering	9	9	44	12.1	4.6	8.3	-	27.0	-10.8	-	-	743	109	36	25 Jun	204	135	30	21	2	3	8	12	60	128	-	0	-	-	-
Scarborough	9	9	53	11.8	6.3	9.1	-	24.9	-5.2	9.3	9.6	688	107	23	3 Oct	189	128	28	5	2	5	2	5	22	(80)	(47)	23	3.94	103	-
Silpho Moor	9	9	203	10.9	4.6	7.7	-	23.8	-7.0	8.0	-	965	110	29	1 Jan 25 Jun	237	152	16	19	4	0	1	24	48	114	-	0	3.61	-	-
Snaizeholme	9	9	290	9.9	3.6	6.7	-	24.0	-11.5	-	-	1632	-	40	11 Nov	229	184	27	27	0	2	0	15	76	-	-	0	3.05	-	S
Whitby	9	9	41	11.7	5.9	8.8	-	25.5	-8.2	-	-	655	-	24	2 May 3 Oct	184	129	31	6	11	7	5	2	31	(100)	-	30	3.86	-	-
Whitby (Coastguard)	21-9	9	60	11.2	6.2	8.7	-	24.3	-7.2	-	-	552	-	23	3 Oct	178	121	24	4	0	7	7	12	23	-	-	33	-	-	-
York (Heslington)	9	9	20	(12.6)	(5.7)	(9.1)	-	27.4	-6.0	9.6	-	575	96	28	11 Jun	183	123	11	2	0	0	0	15	30	83	-	0	3.70	-	-
Humberside																														
Bridlington	9	9	48	11.3	5.4	8.3	-	22.6	-7.6	-	-	657	90	24	13 Jan	185	130	33	3	2	18	6	28	33	-	-	39	3.96	-	-
Brigg	9	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cleethorpes	9	9	6	-	(6.5)	-	-	26.0	-4.0	-	-	(580)	(97)	25	18 Aug	(165)	(117)	-	8	-	-	-	10	(19)	-	-	-	-	-	-
Hull	9	9	2	12.9	6.4	9.7	0.0	26.7	-5.5	9.9	10.3	636	99	21	2 May	192	133	14	4	0	4	3	3	26	-	-	0	(4.07)	(111)	-
Lincolnshire																														
Binbrook	21-9	9	108	11.5	5.4	8.5	-	24.9	-7.1	-	-	730	102	32	18 Aug	196	136	50	17	2	18	5	20	43	89	72	8	4.06	-	-
Caistor	9	9	55	(12.6)	(5.2)	(8.9)	-	26.3	-5.6	-	-	638	-	29	18 Aug	186	132	-	-	-	-	-	-	47	-	-	-	-	-	-
Cranwell	9	9	62	12.5	5.4	8.9	-0.3	25.8	-6.2	9.6	9.7	588	100	25	10 Feb	177	128	24	8	1	2	9	19	46	87	76	7	4.05	99	-
Kirton	9	9	4	12.6	(5.6)	(9.1)	-	26.3	-5.4	9.5	9.7	530	-	24	10 Feb	172	113	16	11	0	4	7	17	(42)	102	-	6	4.16	-	-
Lincoln	9	9	7	12.7	5.3	9.0	-0.2	26.5	-5.7	9.7	9.7	573	-	24	10 Feb 1 Nov	174	118	17	4	1	0	5	18	48	102	-	0	4.01	-	-
Skegness	9	9	5	-	-	-	-	25.1	-	-	-	600	101	35	10 Feb	167	118	0	0	0	0	3	2	-	-	-	1	-	-	-
Sutton Bridge	9	9	4	(13.1)	-	-	-	26.8	-	-	-	569	96	26	27 Jan	(171)	(112)	11	-	0	0	3	-	-	-	-	6	-	-	-
Waddington	21-9	9	68	12.4	6.0	9.2	-0.1	26.6	-6.9	-	-	607	102	26	10 Feb	180	119	33	7	0	11	11	22	37	88	55	9	4.14	101	-
3 EAST ANGLIA																														
Norfolk																														
Coltishall	21-9	9	17	13.0	6.5	9.7	-	26.2	-6.2	-	-	561	90	22	18 Aug	199	123	30	8	5	17	7	13	31	85	50	3	-	-	-
Cromer	9	9	54	12.6	6.7	9.7	+0.1	26.2	-3.7	-	-	585	93	28	18 Aug	192	120	15	-	0	8	4	12	17	-	-	0	4.40	105	-
Gorleston	9	9	4	12.8	7.0	9.9	+0.1	26.7	-5.2	(10.4)	10.7	472	78	27	17 Aug	159	106	10	-	0	1	4	14	14	-	-	17	-	-	-
Marham	21-9	9	23	13.0	6.1	9.5	-	27.5	-5.9	-	-	549	-	29	10 Feb	180	119	32	4	4	8	14	11	33	85	63	3	4.22	-	-
Morley St Botolph	9	9	48	13.1	5.7	9.4	-	26.7	-4.8	10.0	-	543	-	23	18 Aug 7 Dec	185	122	15	5	1	5	5	16	31	95	-	3	4.14	-	-
Santon Downham	9	9	24	13.5	(4.5)	(9.0)	-	27.3	-8.6	9.3	9.4	570	87	23	7 Dec	192	137	-	0	-	-	-	8	70	169	-	-	3.98	-	-
Scole	9	9	27	13.5	6.0	9.7	-	27.9	-5.4	10.1	10.4	581	-	26	8 Aug	173	114	21	4	0	8	9	13	40	79	-	2	4.15	-	-
Terrington St Clement	9	9	3	13.0	5.8	9.4	-0.1	25.7	-3.6	9.9	-	574	99	24	27 Jan	182	112	11	5	1	5	4	10	32	83	-	0	4.01	99	-
Cambridgeshire																														
Boxworth	9	9	53	13.0	5.8	9.4	-	25.8	-4.6	-	-	569	101	25	13 Jun 17 Aug	178	118	9	4	0	4	6	22	35	77	-	1	4.07	-	-
Cambridge Botanic Garden	9	9	12	(13.8)	(5.8)	(9.8)	(0.0)	27.3	-5.5	(10.2)	(10.3)	556	100	22	21 Aug	172	117	9	2	1	6	8	7	(41)	95	-	0	-	-	-
National Institute of Agricultural Botany	9	9	26	(13.7)	(5.7)	(9.7)	-	26.3	-5.5	-	-	540	98	29	21 Aug	155	112	5	2	0	0	2	13	(35)	81	-	0	4.09	98	-
March	9	9	2	(13.5)	(5.9)	(9.7)	-	26.7	-5.0	-	-	502	87	15	27 Jan 10 Jun 17 Aug	166	116	-	-	-	-	-	-	31	-	-	-	-	-	-
Mepal	9	9	-2	(13.4)	(5.5)	(9.5)	-	26.7	-5.4	(10.3)	(10.5)	537	-	25	10 Jun	178	116	9	2	1	5	8	14	42	114	-	1	(3.81)	-	-
Wittering	9	9	73	12.7	6.0	9.3	-	26.0	-6.0	-	-	594	-	31	27 Jan	168	114	36	6	10	3	5	26	39	86	-	6	3.82	-	-
Wyton	21-9	9	40	13.1	6.5	9.8	-	26.6	-4.5	-	-	530	96	23	10 Jun	168	110	19	0	0	10	9	18	32	84	66	2	-	-	-
Suffolk																														
Aldeburgh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00	-	-
Brooms Barn	9	9	75	13.0	6.1	9.5	-	27.1	-3.8	9.7	10.0	565	94	27	18 Aug	182	112	20	6	7	9	16	20	33	-	-	3	4.15	-	-
East Bergholt	9	9	4	-	(5.7)	-	-	-	-5.5	-	-	(534)	(95)	26	17 Aug	(144)	(101)	-	-	-	-	-	-	(47)	-	-	-	-	-	-
Haughley	9	9	58	(13.1)	(5.7)	(9.4)	-	26.8	-5.0	(10.0)	-	-	-	-	-	-	-	-	8	-	-	-	24	37	-	-	-	-	-	-
Honington	21-9	9	50	13.2	6.2	9.7	-	27.6	-5.3	-	-	477	81	22	17 Aug	180	114	30	4	18	2	15	15	39	85	55	3	4.00	-	-
Lowestoft	9	9	25	12.5	(6.9)	(9.7)	(0.0)	26.9	-5.5	10.1	10.2	474	79	17	7 Dec	155	104	12	4	13	3	8	9	24	(39)	(40)	7	3.87	89	S
Wattisham	21-9	9	89	12.8	5.9	9.3	-	27.3	-5.9	-	-	528	89	25	21 Aug	172	101	-	-	-	-	-	-	40	97	58	-	4.06	-	-
Bedfordshire																														
Cardington	21-9	9	29	13.5	5.6	9.5	-	27.0	-6.0	10.0	10.1	603	112	23	17 Aug	172	115	19	1	1	12	15	14	52	108	72	4	4.01	-	-
Luton	9	9	159	12.4	5.9	9.1	-	26.4	-3.5	(10.1)	(10.3)	655	98	27	16 Aug	180	136	-	1	-	-	-	30	43	-	-	-	3.71	-	-
Silsoe	9	9	61	(13.1)	(5.5)	(9.3)	(-0.2)	26.2	-6.4	(9.5)	10.1	553	103	28	13 Jun	165	111	14	3	5	6	17	34	(45)	(95)	(74)	-	(3.85)	(93)	-
Woburn	9	9	89	13.1	5.3	9.2	-0.1	26.2	-6.3	9.9	9.9	692	111	32	16 Aug	179	131	16	2	1	0	3	11	49	111	-	0	3.64	91	-
Hertfordshire																														
Aldenham School	9	9	91	13.5	5.7	9.6	-	28.3	-5.2	10.5	-	751	109	57	16 Aug	189	133	13	3	2	2	17	13	41	-	65	3	-	-	-
Garston	9	9	78	13.3	6.0	9.7	-	26.9	-5.6	-	-	723	108	58	16 Aug	182	138	15	1	1	4	10	12	34	90	67	2	3.98	-	-
Hoddesdon	9	9	43	(13.9)	(6.3)	(10.1)	-	28.6	-6.2	11.1	-	673	105	39	16 Aug	182	119	7	1	2	3	11	-	41	-	-	8	(3.73)	-	-
Rothamsted	9	9	128	12.8	5.5	9.1	0.0	26.3	-4.9	9.7	9.7	706	101	29	16 Aug	199	136	19	3	3	2	13	21	44	115	-	1	3.82	97	-
St. Albans	9	9	83	13.1	6.0	9.5	+0.1	26.5	-4.4	9.9	-	670	107	43	16 Aug	179	126	12	1	4	1	10	28	35	125	-	2	3.94	-	-
Stanstead Abbotts	9	9	30	-	-	-	-	-	-	-	-	611	103	38	16 Aug	170	108	-	1	-	-	-	15	-	-	-	-	-	-	-
Essex																														
Clacton-on-Sea	9	9	16	-	-	-	-	24.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Halstead	9	9	70	(13.3)	(6.2)	(9.7)	-	26.8	-6.1	-	10.2	535	-	22	24 Aug 7 Dec	186	114	18	5	6	0	7	15	32	-	-	5	-	-	-
Harlow	9	9	79	-	-	-	-	28.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Little Parndon	9	9	54	13.5	6.2	9.9	-	26.6	-6.6	-	-	622	107	37	13 Jun	169	122	6	0	2	0	10	15	39	-	-	4	-	-	-
Maldon	9	9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shoeburyness	21-9	9	2	13.3	7.6	10.5	+0.2	26.5	-5.5	-	-	468	87	22	27 Aug	165	110	11	2	6	1	13	6	21	74	50	0	4.26	96	-
Stanford-le-Hope	9	9	6	13.6	6.2	9.9	-	27.5	-5.0	-	-	531	-	25	13 Jun	164	113	6	-	0	0	6	13	30	-	-	0	4.11	-	-
Stansted	21-9	9	101	12.9	6.1	9.5	-	27.6	-6.7	-	-	593	95	21	7 Dec	186	134	25	1	5	7	16	21	40	86	59	1	-	-	-
Writtle	9	9	32	13.6	5.8	9.7	0.0	27.3	-5.7	10.2	-	611	107	38	13 Jun	174	124	7	4	4	1	8	21	41	127	-	3	3.62	88	-

Table 3 (continued)

District Region/County and Place	terminal h (GMT) of observation max	terminal h (GMT) of observation min	height of station above MSL (metres)	air temperature in °C: means of max (a)	means of min (b)	daily mean (mean of a + b)	difference from 1941-70 average	highest max	lowest min	mean earth temperature 30 cm (°C)	mean earth temperature 100 cm (°C)	rainfall (terminal h 09 GMT): total fall (mm)	percentage of 1941-70 average	most in a day: amount (mm)	most in a day: date	weather (number of days): precipitation 0.2 mm or more	precipitation 1.0 mm or more	snow or sleet	snow lying at 9h	hail	ice pellets, etc.	thunder heard	fog at 9h	air frost	grass min below 0°C	concrete min below 0°C	gale	bright sunshine: daily mean (hours)	percentage of 1941-70 average	exposure
4 MIDLAND COUNTIES																														
West Yorkshire																														
Bradford	9	9	134	11.6	5.4	8.5	-0.3	25.5	-6.1	8.7	9.1	886	102	29	22 Feb	200	150	26	8	8	3	5	18	36	93	-	8	3.51	103	S
Bramham	9	9	54	(12.3)	5.2	(8.7)	-	25.7	-6.0	-	-	659	99	33	22 Feb	192	129	12	5	0	1	8	20	38	109	-	0	-	-	-
Huddersfield																														
Oakes	21-9		232	11.6	5.0	8.3	-0.2	26.8	-6.0	8.2	7.8	1084	108	32	24 Feb	230	164	34	24	13	6	19	32	39	118	-	38	-	-	-
Ravensknowle	9	9	99	-	-	-	-	26.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ilkley	9	9	83	(12.1)	(5.3)	(8.7)	(-0.2)	26.5	-6.2	-	-	961	105	31	13 Jan	189	153	15	7	3	4	3	28	35	-	-	0	(3.37)	(97)	-
Todmorden	9	9	160	11.4	5.1	8.3	-	26.7	-6.6	-	-	1290	-	31	30 Sep	211	174	25	12	8	11	8	13	49	-	-	7	-	-	-
Pontefract	9	9	78	12.3	5.8	9.1	0.0	26.1	-4.4	-	-	-	-	-	-	-	-	20	6	3	8	9	24	30	-	-	2	-	-	-
Wilsden	9	9	262	(10.7)	(4.4)	(7.5)	-	26.0	-7.6	-	-	-	-	-	-	-	-	34	24	7	3	3	37	62	101	-	4	-	-	-
South Yorkshire																														
Finningley	21-9		10	12.9	5.8	9.3	-	27.8	-6.1	-	-	559	97	30	13 Jun	170	114	32	4	2	13	9	17	39	107	74	4	3.83	-	-
Sheffield																														
Dore	9	9	206	11.8	(5.3)	(8.5)	-	27.0	-7.2	-	-	1002	-	28	24 Feb	207	159	44	32	17	15	8	28	34	-	-	17	-	-	-
Weston Park	9	9	131	12.3	6.0	9.1	-0.4	26.8	-4.2	9.4	9.6	882	110	38	24 Feb	192	141	22	12	2	2	5	-	29	-	-	0	3.75	111	S
Derbyshire																														
Ashover	9	9	178	11.8	5.2	8.5	-	26.7	-6.8	-	-	943	-	50	24 Feb	201	144	40	27	1	11	5	28	46	95	-	7	(3.60)	-	-
Buxton	9	9	307	-	-	-	-	-	-8.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	S
Derby	9	9	48	(13.0)	6.2	(9.6)	-	26.9	-6.3	-	-	759	116	43	24 Feb	178	134	16	0	2	0	10	20	31	81	-	0	3.39	-	S
Morley	9	9	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wingerworth	9	9	126	12.1	4.8	8.5	-	26.7	-8.5	-	-	862	-	36	24 Feb	213	137	24	17	0	12	12	31	51	156	-	4	-	-	-
Nottinghamshire																														
Mansfield	9	9	114	(12.1)	5.7	(8.9)	(-0.2)	26.5	-5.0	-	-	746	-	28	22 Feb	188	135	13	16	0	0	0	18	34	81	-	0	-	-	-
Newthorpe	9	9	58	-	-	-	-	-	-	-	-	(796)	-	39	24 Feb	(162)	(133)	-	-	-	-	-	-	-	-	-	-	-	-	-
Nottingham	9	9	59	(12.8)	(6.4)	(9.6)	(-0.1)	26.5	-4.0	(9.4)	(9.7)	-	-	-	-	-	-	-	-	-	-	-	-	(24)	(93)	-	-	(3.58)	(106)	-
Sutton Bonington	9	9	48	-	(5.7)	-	-	25.7	-4.8	(9.5)	(9.7)	729	119	40	24 Feb	(179)	(128)	14	2	3	3	7	9	37	120	78	4	(3.74)	(103)	-
Warsop	9	9	46	12.8	5.1	8.9	-	28.3	-9.9	-	-	665	108	31	27 Jan	188	123	19	10	0	7	6	25	49	138	-	1	3.72	-	-
Watnall	21-9		117	12.3	5.9	9.1	-0.1	26.3	-5.3	-	-	818	114	35	24 Feb	182	134	38	13	10	16	18	24	34	101	68	0	3.52	99	-
Staffordshire																														
Keele	9	9	179	11.6	5.1	8.3	-	26.5	-5.1	8.8	8.9	832	103	37	10 Feb	214	163	25	19	5	10	4	27	45	108	69	0	3.33	-	S
Oaken	9	9	125	12.3	5.0	8.7	-0.2	27.0	-5.5	9.7	-	705	99	26	27 Jan	196	139	18	11	8	2	11	28	49	73	-	0	-	-	S
Penkridge	9	9	101	(12.3)	(4.4)	(8.3)	-	26.2	-7.7	-	-	731	106	30	28 Jun	202	148	16	9	1	4	5	11	62	90	-	9	-	-	-
Stone	9	9	107	(12.1)	(5.1)	(8.6)	-	26.8	-5.9	-	-	714	97	28	1 Nov	205	151	34	14	16	1	4	22	51	119	-	2	(3.58)	-	-
Leicester																														
Caldecott	9	9	52	12.9	5.3	9.1	-	26.4	-7.9	-	-	601	107	20	27 Jan	165	121	12	2	0	3	7	24	46	105	-	1	3.61	-	-
Newtown Linford	9	9	119	12.5	5.1	8.8	-	26.6	-7.3	-	-	757	112	26	27 Jan 24 Feb	182	135	21	10	5	4	12	17	43	105	-	0	3.69	-	-
Salop																														
Hampton Loade	9	9	64	(13.0)	(5.5)	(9.3)	-	26.6	-5.6	-	-	737	-	29	27 Jan	180	143	-	-	-	-	-	-	42	-	-	-	3.83	-	-
Newport	9	9	64	12.8	5.3	9.1	+0.2	27.7	-5.8	-	-	675	102	26	10 Jun	196	152	23	8	8	3	13	13	45	114	-	2	3.87	108	-
Oswestry	9	9	174	11.9	-	-	-	26.3	-5.5	-	-	977	110	33	1 Nov	213	162	24	17	1	11	2	24	-	108	-	4	3.49	93	S
Preston Montford	9	9	67	(13.0)	(5.4)	(9.2)	-	26.2	-5.7	(9.9)	(9.7)	732	-	38	21 Aug	192	149	9	11	6	1	4	8	(45)	-	-	5	(3.92)	-	-
Shawbury	21-9		72	12.7	5.4	9.1	-0.2	27.0	-8.1	-	-	674	101	25	1 Nov	192	143	29	5	10	8	5	16	52	130	77	2	3.62	97	-
Shrewsbury	9	9	56	12.9	5.9	9.4	-0.1	26.9	-5.3	10.4	10.6	673	107	27	10 Jun	192	146	14	2	2	1	4	11	39	96	-	1	3.54	95	-
West Midlands																														
Birmingham																														
Edgbaston	21-9		163	12.1	6.4	9.3	-0.2	26.3	-3.7	9.1	-	785	101	29	17 Aug	193	149	35	16	14	0	8	28	28	(77)	(60)	0	3.72	105	-
Elmdon Airport	21-9		96	12.6	5.6	9.1	-0.1	26.0	-5.8	-	-	707	-	30	17 Aug	178	128	30	3	5	5	12	14	44	103	79	3	3.81	101	-
King Edward School	9	9	137	12.5	5.7	9.1	-	26.1	-5.4	-	-	790	109	28	12 Jun	186	147	-	8	-	-	-	26	42	-	-	-	-	-	-
Coventry Airport	9	9	81	-	5.1	-	-	26.3	-6.9	9.4	-	687	-	23	17 Aug	197	129	11	6	6	1	6	10	54	-	-	2	3.76	-	-
Warwickshire																														
Long Lawford	9	9	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Luddington	9	9	56	13.1	5.6	9.3	-	26.8	-6.0	-	-	682	-	53	17 Aug	176	128	9	3	3	1	2	18	43	87	-	0	3.87	-	-
Moreton Morrell	9	9	85	12.8	5.5	9.1	-	26.0	-6.0	-	-	753	121	65	17 Aug	187	132	9	6	0	0	3	8	43	106	-	2	3.62	-	-
Rugby	9	9	117	-	-	-	-	-	-5.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shipston-on-Stour	9	9	111	12.9	5.6	9.3	-0.1	25.9	-4.5	9.6	-	793	119	36	17 Aug	193	142	15	7	1	3	5	15	35	(124)	-	25	3.74	93	-
Stratford-upon-Avon	9	9	49	13.2	5.2	9.2	-0.2	26.7	-7.6	(10.6)	-	707	113	46	17 Aug	178	131	-	0	-	-	-	10	50	(107)	-	-	(3.51)	(92)	-
Wellesbourne	9	9	47	13.1	5.7	9.4	-	26.6	-5.2	(9.6)	(9.9)	689	115	53	17 Aug	170	124	-	3	-	-	-	15	42	(78)	(80)	-	(3.86)	-	-
Northamptonshire																														
Bugbrooke Mills	9	9	69	-	-	-	-	26.6	-	(9.4)	-	657	108	35	17 Aug	164	112	-	-	-	-	-	-	-	-	-	-	-	-	-
Moulton Park	9	9	122	(12.4)	(5.5)	(8.9)	-	25.6	-5.1	9.6	9.7	665	-	25	17 Aug	179	122	8	4	0	1	3	13	44	109	-	0	-	-	S
Raunds	9	9	59	13.2	5.5	9.3	0.0	27.0	-5.9	10.1	10.0	616	104	23	17 Aug	180	118	13	3	4	3	9	18	43	105	-	2	(3.42)	(90)	S
Hereford & Worcester																														
Astwood Bank	9	9	139	12.7	5.5	9.1	-	26.5	-5.7	-	-	743	-	33	17 Aug	194	135	26	8	3	8	13	28	43	89	-	5	-	-	-
Hereford	9	9	52	13.6	(5.8)	(9.7)	-	27.7	-5.8	10.3	10.7	649	99	32	16 Aug	178	116	11	5	2	5	9	12	40	-	-	0	4.08	-	-
Lyonshall	9	9	155	12.4	5.6	9.0	-0.1	26.0	-5.5	-	-	905	105	45	17 Aug	190	(151)	-	-	-	-	-	-	39	141	-	-	-	-	-
Malvern	9	9	62	13.3	6.6	9.9	-	26.9	-4.6	10.1	10.1	790	106	36	17 Aug	198	149	14	4	4	2	5	31	24	-	-	1	(3.64)	(91)	S
Pershore																														
College of Hort.	9	9	40	(13.4)	6.2	(9.8)	-	26.9	-5.2	-	-	700	109	43	17 Aug	186	137	11	7	5	4	6	11	36	82	-	10	4.01	-	-
Royal Radar Est.	21-9		35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Preston Wynne	9	9	84	12.9	5.3	9.1	-	26.3	-5.2	-	-	714	107	31	17 Aug	190	134	12	3	1	0	7	27	39	122	-	4	3.74	-	-
Gloucestershire																														
Cheltenham	9	9	65	(13.5)	(5.9)	(9.7)	(-0.4)	28.0	-9.0	-	-	939	141	33	10 Jun	196	154	4	0	0	2	0	0	45	-	-	0	3.73	95	-
Innsworth	21-9		21	13.4	6.6	10.0	-	27.0	-6.7	-	-	690	-	33	10 Jun 16 Aug	180	124	16	2	5	9	14	6	35	79	56	0	3.93	-	-
Oxfordshire																														
Benson	21-9		67	13.4	6.3	9.9	-	27.7	-4.6	-	-	717	-	73	16 Aug	187	121	13	1	8	5	10	9	37	93	-	1	4.05	-	-
Brize Norton	21-9		81	12.9	6.1	9.5	-	26.5	-6.9	-	-	734	-	32	16 Aug	187	134	18	2	4	4	8	16	40	94	63	4	3.87	-	-
Letcombe Regis	9	9	107	(13.1)	(5.6)	(9.3)	-	26.9	-5.6	(10.5)	-	827	117	58	16 Aug	190	149	11	2	5	0	5	19	45	(104)	-	2	-	-	-
Oxford	9	9	63	13.4	6.4	9.9	-0.2	26.7	-4.4	10.3	10.4	712	108	38	16 Aug	188	129	14	3	8	1	11	12	32	86	-	6	3.75	90	-
Shirburn (Model Farm)	9	9	108	-	-	-	-	26.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wallingford	9	9	48	13.4	5.7	9.5	-	26.4	-5.7	10.3	10.3	686	120	59	16 Aug	179	118	6	0	2	2	8	6	48	104	-	0	3.61	-	S
Buckinghamshire																														
Aylesbury	9	9	96	(13.2)	(5.9)	(9.5)	(+0.1)	27.3	-5.5	-	-	638	120	45	16 Aug	167	129	15	5	5	2	8	34	46	-	-	5	3.91	100	S
Grendon Underwood	9	9	67	13.1	4.7	8.9	-	26.3	-8.0	10.0	10.1	715	114	32	16 Aug	178	137	7	3	0	6	6	21	60	130	-	0	3.69	-	-
Medmenham	9	9	30	(13.6)	(5.2)	(9.4)	-	26.7	-6.3	-	-	(771)	(110)	75	16 Aug	(184)	(137)	-	-	-	-	-	-	55	(133)	-	-	-	-	-

Table 3 (continued)

District Region/County and Place	terminal h (GMT) of observation max	terminal h (GMT) of observation min	height of station above MSL (metres)	air temperature in °C means of max (a)	means of min (b)	daily mean (mean of a + b)	difference from 1941-70 average	highest max	lowest min	mean earth temperature 30 cm (°C)	mean earth temperature 100 cm (°C)	rainfall (terminal h 09 GMT) total fall (mm)	rainfall (terminal h 09 GMT) percentage of 1941-70 average	most in a day amount (mm)	most in a day date	weather (number of days) precipitation 0.2 mm or more	precipitation 1.0 mm or more	snow or sleet	snow lying at 9h	hail	ice pellets, etc.	thunder heard	fog at 9h	air frost	grass min below 0°C	concrete min below 0°C	gale	bright sunshine daily mean (hours)	bright sunshine percentage of 1941-70 average	exposure
5 ENGLAND SE & CENTRAL S.																														
Greater London																														
Bromley	9	9	65	(13.8)	7.0	(10.4)	(+0.1)	27.0	-3.0	-	-	(673)	(104)	33	13 Jun	(177)	(118)	-	2	-	-	-	-	22	-	-	-	-	-	-
Enfield	9	9	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greenwich	9	9	7	(14.1)	(7.3)	(10.7)	-	27.8	-4.0	-	-	607	102	50	16 Aug	174	114	5	1	0	0	8	5	(22)	-	-	0	3.80	-	-
Hampstead	9	9	137	(12.9)	(6.3)	(9.6)	(-0.1)	26.6	-3.0	-	-	721	107	80	16 Aug	159	125	-	2	-	-	-	-	33	-	-	-	(3.76)	(92)	S
Hampton	9	9	12	13.7	(7.1)	(10.4)	(-0.1)	28.4	-3.7	-	-	656	108	48	16 Aug	179	121	6	1	1	1	16	9	25	93	-	0	4.04	96	-
Harrow Weald	9	9	98	(13.6)	(5.8)	(9.7)	-	27.5	-4.5	(11.0)	(11.1)	(771)	-	67	16 Aug	(174)	(120)	-	-	-	-	-	-	(34)	-	-	-	-	-	-
Heathrow Airport	21-9		25	14.0	7.2	10.6	+0.2	28.6	-4.5	-	-	637	103	52	16 Aug	169	117	11	3	5	3	19	11	28	73	47	0	3.90	-	-
Kensington Palace	9	9	25	(13.9)	(7.4)	(10.7)	(-0.2)	28.2	-2.3	(11.3)	(11.3)	655	102	70	16 Aug	(181)	(120)	4	2	0	0	2	5	18	90	-	0	-	-	-
Kew	21-9		6																											
Psychrometer				13.6	6.6	10.1	-	27.6	-5.6	10.3	10.4	610	102	48	16 Aug	170	116	13	3	1	5	23	10	35	113	58	0	4.18	100	-
North Wall Screen				13.7	7.5	10.6	0.0	28.4	-3.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
London Weather Centre (X)	21-9		77	14.1	8.5	11.3	-	28.5	-2.1	-	-	549	-	42	16 Aug	160	108	15	0	9	1	19	3	4	-	-	2	3.97	104	-
St. James Park	9	9	4	14.1	-	-	-	28.4	-	-	-	635	104	43	16 Aug	177	120	-	0	-	-	-	-	-	(72)	-	-	-	-	-
Southgate	9	9	67	-	-	-	-	27.2	-	-	-	(676)	(104)	35	16 Aug	(169)	(127)	8	1	0	1	6	11	-	-	-	0	(4.10)	(110)	-
Waddon	9	9	59	-	(6.9)	-	-	(27.5)	-4.5	-	-	671	100	28	12 Jun	179	123	-	-	-	-	-	-	(24)	-	-	-	-	-	-
Wealdstone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wiltshire																														
Boscombe Down	21-9		126	13.0	5.9	9.5	-0.1	26.6	-5.2	-	-	881	122	62	16 Aug	194	134	18	2	6	5	11	21	45	97	67	2	4.10	97	-
Lacock	9	9	49	13.3	5.4	9.3	-	26.4	-5.6	-	-	795	111	29	10 Jun	(192)	(128)	-	-	-	-	-	14	52	-	-	-	-	-	-
Larkhill	9	9	132	13.2	5.7	9.5	+0.2	27.0	-6.1	-	-	902	121	55	24 Aug 16 Aug	179	133	15	2	11	3	14	21	48	83	64	0	-	-	-
Lyneham	21-9		145	12.7	5.9	9.3	0.0	26.4	-5.4	-	-	865	121	37	12 Jun 16 Aug	197	138	27	3	7	13	13	17	42	102	73	3	3.99	-	-
Porton	9	9	110	13.2	5.4	9.3	0.0	26.3	-6.0	9.7	-	831	109	51	16 Aug	189	134	-	2	-	-	-	16	49	110	-	3	3.94	91	-
Trowbridge	9	9	37	13.6	5.7	9.7	-	28.4	-5.9	10.4	-	900	-	72	16 Aug	182	140	14	3	7	12	24	11	47	116	-	3	-	-	-
Upavon	21-9		179	12.6	5.9	9.3	-	26.8	-4.7	-	-	871	114	40	12 Jun	195	140	21	3	9	6	13	25	44	99	56	3	-	-	-
Berkshire																														
Easthampstead	9	9	77	13.3	5.3	9.3	-	27.2	-6.8	10.1	10.1	686	-	29	17 Aug	176	127	15	1	3	8	19	12	57	100	68	1	3.90	-	-
Hurley	9	9	43	(13.3)	(5.9)	(9.6)	-	26.7	-5.1	10.1	-	759	109	74	16 Aug	183	143	7	2	1	2	8	26	38	-	-	5	3.61	-	-
Lambourn (Warren Farm)	9	9	192	(12.1)	(5.3)	(8.7)	-	25.6	-6.2	(9.6)	-	(774)	-	44	16 Aug	(198)	(149)	-	-	-	-	-	21	(46)	-	-	-	-	-	-
Reading	9	9	66	13.3	6.3	9.8	-	26.9	-5.5	10.2	10.2	692	-	32	16 Aug	181	130	10	1	6	6	16	17	32	131	77	10	4.10	-	-
Shinfield (N.I.R.D.)	9	9	62	(13.4)	(6.0)	(9.7)	-	27.0	-4.9	-	-	658	-	27	16 Aug	177	124	6	0	1	4	13	29	45	(100)	-	0	(3.89)	-	-
Surrey																														
Merrist Wood	9	9	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mickleham	9	9	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wisley	9	9	35	14.0	6.1	10.1	+0.1	28.2	-5.2	10.3	10.5	714	110	38	16 Aug	181	122	6	2	2	0	11	35	43	94	-	11	(4.09)	(101)	-
Kent																														
Dover R.M.S.	9	9	123	12.2	(6.9)	(9.5)	-	24.0	-2.2	-	-	(810)	(95)	29	21 Aug	(203)	(138)	9	2	2	1	8	23	17	-	-	6	-	-	-
Dungeness	9	9	3	13.0	8.2	10.6	-	22.1	-3.2	-	-	645	96	20	7 Dec	192	124	10	2	6	0	9	12	18	-	-	13	-	-	-
East Malling	9	9	32	13.5	6.5	10.0	+0.3	25.9	-4.6	10.4	10.4	675	101	45	13 Jun	174	123	11	3	0	7	13	14	31	97	68	5	(4.01)	(94)	-
Elmstone	9	9	5	(13.8)	(6.1)	(9.9)	-	25.8	-5.1	-	-	618	96	26	21 Aug	174	118	5	1	1	3	8	8	38	78	-	1	-	-	-
Faversham	9	9	48	13.4	(6.7)	(10.1)	-	25.8	-3.8	10.1	10.5	(723)	(108)	35	13 Jun	(179)	(129)	4	2	1	7	9	23	30	69	-	0	4.00	-	-
Folkestone	9	9	31	13.0	7.0	10.0	-	26.2	-5.2	-	11.0	689	96	32	21 Aug	189	122	10	2	3	1	10	10	24	83	-	42	4.55	95	-
Gillingham	9	9	4	13.9	(7.0)	(10.5)	-	27.5	-4.9	-	-	580	95	24	13 Jan	175	116	-	-	-	-	-	-	33	-	-	-	-	-	-
Goudhurst	9	9	85	12.9	6.0	9.5	+0.2	25.9	-6.4	-	-	789	94	27	13 Jan 7 Dec	185	141	13	4	2	0	9	16	42	85	-	2	-	-	-
Hadlow College	9	9	30	(13.6)	(5.9)	(9.7)	-	26.6	-5.3	-	(10.7)	(647)	-	27	13 Jun	(174)	(132)	11	1	3	0	9	15	(44)	(101)	-	4	-	-	-
Herne Bay	9	9	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manston	21-9		44	13.0	7.4	10.2	-	25.6	-3.7	-	-	553	91	24	22 Aug	170	106	25	2	2	18	11	7	15	55	36	10	4.43	-	-
Margate	9	9	16	13.0	8.3	10.7	+0.1	25.3	-1.4	10.7	10.8	524	91	22	21 Aug	159	108	5	2	3	3	7	3	5	-	-	14	4.20	90	-
Ulcombe	21-9		47	-	-	-	-	-	-6.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wye	9	9	56	13.3	6.3	9.8	0.0	25.8	-5.6	10.5	10.6	765	104	29	20 Nov	181	133	9	2	3	2	18	31	37	121	-	2	3.94	89	-
Hampshire																														
Alice Holt Lodge	9	9	115	12.9	5.6	9.3	-0.1	26.6	-6.6	-	-	814	101	32	5 Nov	193	139	8	1	3	1	14	17	47	97	-	1	3.84	-	-
Everton	9	9	16	13.4	7.1	10.3	-	27.6	-3.0	-	-	808	103	27	7 Dec	180	128	5	0	4	0	8	10	23	(79)	-	3	4.43	-	-
Hayling Island	9	9	4	-	-	-	-	-	-2.1	-	-	-	-	-	-	-	-	3	0	0	0	1	7	-	-	-	10	4.58	-	-
Leckford	9	9	117	13.1	5.6	9.3	-0.2	26.2	-6.0	9.6	-	(899)	(112)	42	16 Aug	(197)	(147)	6	0	1	1	2	18	47	-	-	0	3.83	91	-
Long Sutton	9	9	145	(12.9)	(5.7)	(9.3)	-	26.4	-4.9	-	-	(837)	(105)	31	24 Aug	(196)	(136)	9	2	9	4	7	21	(43)	-	-	3	4.06	99	-
Martyr Worthy	9	9	84	(13.4)	(5.6)	(9.5)	-	27.8	-5.1	-	-	839	104	33	24 Aug	187	143	6	0	4	4	0	17	(48)	(106)	-	4	(3.71)	-	-
Southampton Mayflower Park	9	9	3	14.2	7.4	10.8	+0.1	28.9	-3.5	(11.7)	(12.5)	801	-	29	16 Aug	176	122	9	0	0	12	10	9	23	-	-	0	4.26	96	-
Weather Centre (X)	21-9		19	14.1	8.0	11.1	-	28.9	-3.6	-	-	812	-	33	16 Aug	179	126	9	-	0	12	10	9	11	-	38	0	-	-	-
Southsea	9	9	2	13.8	8.3	11.1	+0.2	28.0	-2.4	11.7	11.7	737	105	37	16 Aug	174	124	4	1	0	4	7	8	11	-	-	3	-	-	-
Sparsholt	9	9	113	(13.0)	(5.8)	(9.4)	-	27.4	-5.5	-	-	(931)	-	49	16 Aug	(187)	(149)	7	1	1	0	5	29	39	85	-	4	-	-	-
Isle of Wight																														
Ryde	9	9	4	(13.6)	(8.3)	(10.9)	(0.0)	25.4	-3.1	-	-	801	103	29	7 Dec	180	125	6	2	9	0	7	3	10	-	-	9	4.29	89	-
St. Catherines Point	9	9	16	12.8	8.3	10.5	0.0	25.6	-1.1	-	-	738	96	26	7 Dec	170	121	9	1	5	8	11	5	8	-	-	42	-	-	-
Sandown	9	9	4	13.6	7.9	10.7	-0.2	26.0	-6.0	-	-	774	100	26	7 Dec	134	119	2	-	1	0	2	1	17	-	-	3	4.79	95	-
Shanklin	9	9	55	13.0	7.6	10.3	+0.2	25.2	-4.4	-	-	894	97	32	7 Dec	183	136	6	2	4	0	4	15	15	-	-	1	4.92	94	-
Ventnor	9	9	135	13.2	7.9	10.5	0.0	25.6	-3.3	11.4	11.3	893	106	27	9 Dec	184	135	6	2	5	3	5	15	10	(49)	-	14	4.91	98	-
West Sussex																														
Bognor Regis	9	9	7	13.2	7.9	10.5	+0.2	27.3	-4.7	-	11.5	814	110	43	24 Aug	182	130	5	1	2	0	4	10	15	55	-	8	4.43	91	-
Gatwick Airport	21-9		59	13.4	6.0	9.7	-	27.2	-6.5	-	-	827	107	34	27 Aug	185	135	18	2	2	3	14	14	48	106	59	2	4.04	-	-
Hurstpierpoint	9	9	30	(13.8)	(5.9)	(9.9)	-	27.6	-6.5	-	-	893	-	39	27 Aug	190	139	-	-	-	-	-	-	47	-	-	-	-	-	-
Littlehampton	9	9	5	13.4	7.4	10.4	+0.1	27.6	-3.8	-	11.3	846	116	40	24 Aug	188	141	2	1	0	1	0	3	21	-	-	1	4.67	96	-
North Heath	9	9	21	-	-	-	-	28.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rogate	9	9	64	-	-	-	-	27.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	S
Rustington	9	9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Worthing	9	9	2	(13.6)	7.3	(10.5)	-	28.0	-4.1	11.7	-	786	-	35	27 Aug	179	127	7	1	4	0	6	2	21	-	-	1	-	-	-
East Sussex																														
Bexhill	9	9	4	13.2	8.0	10.6	+0.3	26.3	-3.0	-	-	690	94	39	12 Jun	196	123	7	2	1	0	10	6	13	61	-	21	4.55	97	-
Brighton	9	9	10	(13.3)	(7.7)	(10.5)	(-0.1)	27.4	-3.4	-	11.8	708	99	31	24 Aug	177	128	6	1	0	0	1	7	21	(40)	-	14	4.51	94	-
Eastbourne	9	9	7	13.5	8.3	10.9	+0.4	25.7	-2.5	11.4	11.7	693	87	24	20 Nov	183	124	6	1	2	3	9	9	10	43	-	13	4.74	94	-
East Hoathly	9	9	38	-	-	-	-	-	-6.0	-	-	728	94	27	20 Nov	174	133	-	-	-	-	-	-	-	-	-	-	-	-	-
Hastings	9	9	45	13.1	7.8	10.3	+0.1	26.6	-3.0	11.5	11.7	685	94	27	20 Nov	168	126	13	2	2	3	16	16	16	65	-	25	(4.60)	(97)	-
Herstmonceux	21-9		17	13.3	6.5	9.9	-	26.2	-4.2	-	-	-	-	-	-	-	-	9	1	2	5	16	10	37	-	-	17	-	-	-
Plumpton	9	9	76	13.3	6.9	10.1	-	26.3	-5.5	-	-	(948)	(93)	41	24 Aug	180	145	-	1	-	-	-	35	29	63	-	-	4.32	-	-

Table 3 (continued)

District Region/County and Place	terminal h (GMT) of observation max	terminal h (GMT) of observation min	height of station above MSL (metres)	air temperature in °C means of max (a)	means of min (b)	daily mean (mean of a + b)	difference from 1941-70 average	highest max lowest min max	highest max lowest min min	mean earth temperature 30 cm (°C)	mean earth temperature 100 cm (°C)	rainfall (terminal h 09 GMT) total fall (mm)	rainfall (terminal h 09 GMT) percentage of 1941-70 average	most in a day amount (mm)	most in a day date	weather (number of days) precipitation 0.2 mm or more	precipitation 1.0 mm or more	snow or sleet	snow lying at 9h	hail	ice pellets, etc.	thunder heard	fog at 9h	air frost	grass min. below 0°C	concrete min below 0°C	gale	bright sunshine daily mean (hours)	bright sunshine percentage of 1941-70 average	exposure
7A ENGLAND NW & I.O.M																														
Cumbria																														
Carlisle	21-9	26	12.4	5.7	9.1	-	29.1	-9.0	9.9	10.0	789	91	29	3 Oct	185	137	22	4	7	4	5	4	48	116	62	0	4.22	-	-
Cartmel	99	34	(12.2)	(4.7)	(8.5)	-	27.5	-9.3	-	-	1196	-	35	4 Aug	208	164	4	0	0	0	3	9	48	-	-	1	-	-	-
Grizedale	99	91	-	-	-	-	-	-	-	-	(1572)	(82)	64	23 Oct	(221)	(183)	24	14	8	0	0	3	-	-	-	4	-	-	-
Moor House	99	556	8.0	1.7	4.9	-	23.4	-16.4	5.9	-	2288	114	105	18 Jan	247	209	94	77	28	10	3	57	130	(193)	-	40	3.33	-	-
Newton Rigg	99	171	(11.7)	(4.7)	(8.2)	(0.0)	26.1	-12.8	(9.0)	-	910	98	42	30 Oct	204	163	16	18	0	1	3	3	53	120	-	3	(3.85)	(108)	S
Sellafield	99	13	-	-	-	-	27.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lancashire																													
Hazelrigg	99	94	11.9	5.9	8.9	-	26.6	-7.0	-	-	1005	-	36	4 Aug	195	157	28	4	0	18	5	7	32	80	-	20	4.29	-	-
Helmshore	99	260	(10.7)	-	-	-	25.5	-	-	-	1500	100	44	30 Sep	229	179	25	15	2	2	2	19	-	114	-	0	(3.46)	-	S
Kirkham	99	24	12.3	5.9	9.1	-	27.0	-6.5	-	-	868	92	26	3 Oct	195	144	7	2	2	9	1	5	37	104	-	0	(4.27)	-	-
Morecambe	99	7	12.8	(6.8)	(9.8)	(+0.3)	27.2	-5.9	-	-	(916)	(93)	32	3 Oct	197	148	6	1	2	0	3	0	26	-	-	2	4.36	111	-
Preston	99	33	12.5	6.2	9.3	-	27.6	-5.8	-	-	914	91	31	3 Oct	194	150	12	2	2	11	4	3	34	100	-	3	-	-	-
Slaidburn	99	192	11.1	4.6	7.9	-	25.8	-10.5	-	-	1626	106	43	21 Apr	223	182	41	10	8	2	0	8	50	105	-	0	3.79	-	-
Squires Gate Airport	21-9	10	12.6	6.5	9.5	0.0	28.3	-7.9	-	-	789	92	23	3 Oct	191	143	26	3	0	3	3	4	30	68	45	8	4.34	102	-
Stonyhurst	99	115	-	-	-	-	28.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Merseyside																													
Aigburth	99	12	12.9	7.0	9.9	-	26.4	-4.0	-	-	741	-	26	10 Feb	196	142	11	2	9	2	3	7	24	-	-	7	-	-	-
Bidston	99	60	12.1	7.1	9.6	-	26.2	-2.3	-	-	680	-	21	10 Jun	189	145	13	-	5	4	7	12	12	(45)	-	5	4.04	-	-
St. Helens	99	76	(12.6)	(6.1)	(9.3)	-	28.1	-6.2	(9.8)	-	948	-	25	1 May	212	159	-	-	-	-	-	-	(31)	-	-	-	(3.86	-	-
Southport	99	5	12.4	5.8	9.1	-0.4	27.1	-6.9	(9.7)	(10.2)	801	96	29	3 Oct	190	142	-	-	-	-	-	-	34	68	-	-	-	-	-
Speke Airport	21-9	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Kirby Park	99	8	13.3	6.9	10.1	+0.2	27.6	-3.9	-	-	713	96	29	10 Feb	200	140	0	0	2	3	1	-	26	51	-	5	-	-	-
Greater Manchester																													
Bolton	99	107	(11.8)	(5.5)	(8.7)	-	26.2	-7.0	(9.1)	(9.2)	1074	-	29	30 Jun	189	163	3	3	0	2	2	6	36	88	-	9	-	-	-
Manchester																													
Ringway Airport	21-9	75	12.5	6.5	9.5	+0.1	28.3	-6.8	-	-	836	102	37	24 Feb	191	143	29	5	10	3	10	5	26	62	55	3	3.99	109	-
Weather Centre (X)	21-9	69	13.0	7.5	10.3	-	28.8	-2.8	-	-	844	-	26	24 Feb	188	148	-	-	-	-	-	3	17	-	-	0	3.78	-	-
Cheshire																													
Knutsford	99	65	(12.8)	(5.4)	(9.1)	-	28.5	-5.5	(9.6)	(9.7)	840	100	29	24 Feb	192	156	11	10	1	0	4	3	41	108	-	8	-	-	-
Macclesfield	99	152	11.9	5.6	8.7	-0.2	26.8	-5.7	-	-	892	97	34	10 Feb	211	160	19	14	3	10	6	11	40	-	-	0	-	-	-
Ness Gardens	99	55	12.8	6.1	9.5	-	26.9	-3.7	9.9	-	719	100	33	10 Jun	189	135	11	2	9	2	4	8	30	123	-	14	-	-	S
Isle of Man																													
Douglas	99	87	11.6	6.9	9.3	0.0	24.9	-2.5	-	-	1185	104	56	30 Oct	207	150	12	4	12	4	0	(13)	14	55	-	30	4.40	102	-
Point of Ayre	21-9	9	12.5	7.5	10.0	+0.1	23.9	-2.0	-	-	786	94	65	30 Oct	191	138	3	0	4	0	0	1	8	-	-	35	(4.49)	(104)	-
Ronaldsway Airport	21-9	16	12.1	7.1	9.6	+0.1	24.8	-4.4	-	-	909	105	57	30 Oct	197	146	19	1	5	9	3	2	22	58	-	17	4.46	105	-
7B WALES N																													
Gwynedd																													
Aber	99	18	13.2	7.2	10.2	-	26.0	-5.5	-	10.1	1167	-	51	10 Feb	219	158	15	5	17	0	7	0	10	44	-	27	3.68	-	-
Bala	99	163	11.9	4.8	8.3	-	26.7	-7.9	(9.4)	9.7	1261	100	44	30 Oct	215	181	23	8	3	12	5	3	55	103	-	1	-	-	-
Bardsey Island	21-9	16	12.0	(8.4)	(10.2	-	23.1	-0.8	-	-	1004	113	34	30 Oct	198	148	5	1	7	0	3	10	2	13	8	44	-	-	-
Betws-y-Coed	99	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Botwnnog	99	34	-	-	-	-	-	-3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cwmystradllyn	99	204	11.6	6.2	8.9	-	26.0	-4.0	-	-	2107	-	65	30 Oct	235	203	-	-	-	-	-	-	18	-	-	-	3.64	-	-
Llyn Alaw	99	44	12.5	-	-	-	27.0	-	-	-	1130	-	57	10 Feb	215	163	-	-	-	-	-	-	-	-	-	-	4.50	-	-
Pen-y-Ffridd	99	84	12.8	6.7	9.7	-	26.2	-5.5	-	-	1172	106	57	10 Feb	210	178	9	3	0	10	5	0	18	119	-	7	4.09	-	-
Trawsfynydd	99	193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valley	21-9	10	12.9	7.8	10.3	+0.2	27.4	-4.2	-	-	921	106	45	30 Oct	200	146	10	1	0	19	4	3	18	46	30	40	4.66	106	-
Clwyd																													
Alwen	99	335	10.5	(3.5)	(7.0)	-	26.0	-10.4	-	-	1431	115	47	10 Jun	234	191	-	-	-	-	-	-	74	156	-	-	-	-	-
Bwlchgwyn	99	386	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colwyn Bay	99	24	12.5	7.2	9.9	-	26.4	-4.1	-	-	923	123	55	10 Feb	204	149	2	2	0	1	0	0	15	-	-	1	(4.30)	(103)	-
Corwen	99	144	12.4	4.5	8.5	-	26.5	-8.3	-	-	1152	110	39	10 Jun	226	173	17	11	2	1	2	-	58	116	-	0	-	-	-
Hawarden Bridge	99	5	(13.5)	6.3	(9.9)	(0.0)	28.3	-4.7	-	-	663	94	27	10 Jun	(204)	(137)	10	1	0	7	1	6	23	-	-	9	-	-	-
Loggerheads	99	210	11.5	4.5	8.0	-	25.7	-9.4	8.8	9.0	1020	115	51	10 Jun	212	156	32	26	2	6	3	18	64	104	-	0	3.88	-	S
Prestatyn	99	4	(12.9)	(7.2)	(10.1)	(0.0)	27.9	-3.1	-	-	746	111	36	14 Jun	194	135	3	1	2	0	3	0	19	-	-	0	-	-	-
Ruthin	99	76	12.8	5.7	9.3	-	27.0	-5.7	-	-	772	101	39	10 Jun	194	144	5	10	0	0	0	0	37	-	-	0	(3.77)	-	-
Powys (North)																													
Lake Vyrnwy	99	303	10.6	4.5	7.5	-0.4	25.7	-7.3	8.1	-	1805	111	41	30 Sep	238	188	42	29	17	0	3	35	57	108	-	18	-	-	-
Moel Cynnedd	99	358	10.6	3.6	7.1	-	24.8	-8.8	(8.1)	-	2543	-	98	15 Aug	253	211	43	38	9	12	3	9	73	(159)	-	7	-	-	-
8A WALES S																													
Dyfed																													
Aberporth	21-9	134	11.9	7.3	9.6	-0.1	26.3	-5.3	-	-	892	94	40	30 Oct	209	148	-	-	-	-	-	-	14	40	30	-	4.35	102	-
Aberystwyth	99	4	-	-	-	-	-	-	-	-	(917)	(93)	26	25 Aug	(185)	(147)	3	0	0	1	1	5	-	-	-	1	-	-	-
Brawdy	21-9	111	12.0	7.1	9.5	-	24.7	-6.3	-	-	1268	-	42	13 Jan	206	169	15	4	0	28	9	18	15	61	38	8	4.56	-	-
Brynamman	21-9	183	12.5	6.3	9.4	-	26.7	-4.3	-	-	1582	-	43	1 Nov	222	189	22	11	24	5	7	7	26	54	-	4	-	-	-
Carmarthen	99	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	S
Cwmystwyth	99	301	(11.1)	(4.7)	(7.9)	-	25.5	-6.8	-	-	1971	113	44	19 Nov	(238)	(202)	-	-	-	-	-	-	54	-	-	-	(3.45)	-	S
Dale Fort	99	33	(13.1)	(8.2)	(10.7)	(+0.2)	24.8	-5.0	-	-	(863)	-	39	6 Oct	190	138	4	0	7	1	5	7	4	-	-	23	(4.82)	-	-
Esgairwen-Uchaf	99	332	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gogerddan	99	31	13.1	6.5	9.8	-	27.1	-6.5	-	-	1032	105	32	14 Aug	203	161	7	3	5	9	5	3	34	-	-	2	3.93	-	-
Llety-Evan-Hen	99	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Milford Haven (Conservancy Board)	21-9	37	12.8	7.8	10.3	-	27.4	-5.0	-	-	1116	112	39	6 Oct	209	164	5	1	7	1	9	5	13	39	22	15	-	-	-
Orielton	99	61	-	-	-	-	27.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Skokholm Island	99	35	-	-	-	-	21.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tenby	-	-	-	-	-	-	28.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trawscoed	99	61	12.8	(5.7)	(9.3)	-	27.1	-10.5	10.4	-	1275	109	43	30 Oct	208	186	3	4	4	1	0	19	42	104	-	0	(3.82)	(101)	-
Tregaron	99	178	12.4	(5.0)	(8.7)	-	26.6	-10.5	-	-	(1368)	-	49	30 Oct	222	186	(11)	9	3	5	3	0	54	-	-	1	(3.73)	-	-
Whitechurch	99	130	(12.5)	5.9	(9.2)	-	25.4	-8.8	-	-	1540	-	77	30 Oct	213	167	8	5	1	33	12	4	30	-	-	24	-	-	-
Powys (South)																													
Cenarth	21-9	308	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Llangenny	99	122	-	-	-	-	26.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3 (continued)

District Region/County and Place	terminal h (GMT) of observation max	terminal h (GMT) of observation min	height of station above MSL (metres)	air temperature in °C: means of max (a)	means of min (b)	daily mean (mean of a + b)	difference from 1941-70 average	highest max	lowest min	mean earth temperature 30 cm (°C)	mean earth temperature 100 cm (°C)	rainfall (terminal h 09 GMT) total fall (mm)	rainfall percentage of 1941-70 average	most in a day amount (mm)	most in a day date	weather (number of days) precipitation 0.2 mm or more	precipitation 1.0 mm or more	snow or sleet	snow lying at 9h	hail	ice pellets, etc.	thunder heard	fog at 9h	air frost	grass min below 0°C	concrete min below 0°C	gale	bright sunshine daily mean (hours)	bright sunshine percentage of 1941-70 average	exposure
8A WALES S – cont.																														
West Glamorgan																														
Mumbles Head	21	9	36	12.7	(8.3)	(10.5)	-	25.0	-1.5	-	-	-	-	-	-	-	-	5	2	6	0	6	3	10	(16)	(22)	55	-	-	-
Neath	9	9	62	-	7.3	-	-	-	-4.3	-	-	1235	95	45	1 Nov	198	156	9	2	6	2	3	4	24	57	-	1	-	-	-
Penmaen	9	9	85	13.0	7.2	10.1	-	26.7	-3.4	10.9	11.1	1158	95	35	1 Nov	197	158	6	4	5	11	10	12	20	66	54	18	4.15	-	-
Port Talbot	9	9	7	14.1	(7.7)	(10.9)	-	27.4	-3.5	-	-	1035	91	32	1 Nov	193	150	5	0	8	0	2	1	16	-	-	5	-	-	S
Swansea	9	9	8	-	-	-	-	-	-	-	-	(1139)	(98)	33	1 Nov	(206)	(162)	2	1	1	0	0	5	-	-	-	0	-	-	S
Whiteford Burrows	9	9	6	(13.6)	(7.0)	(10.3)	-	26.9	-5.5	-	-	1070	-	33	30 Oct	211	160	6	2	0	0	7	19	25	-	-	19	-	-	-
Mid Glamorgan																														
Aberdare	9	9	174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cilfynydd	21	9	194	-	-	-	-	27.3	-	-	-	1399	-	55	1 Nov	211	163	16	9	3	0	5	11	-	-	-	2	-	-	-
Llwynon	9	9	242	11.7	4.9	8.3	-	25.4	-7.2	-	-	1742	103	71	30 Oct	228	189	21	0	1	0	1	54	51	-	-	0	3.59	-	S
Porthcawl	9	9	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	S
South Glamorgan																														
Bridgend	9	9	43	(13.5)	(6.5)	(10.0)	-	26.9	-5.7	11.0	10.9	1101	-	24	8 Nov	201	161	-	-	-	-	-	-	35	-	-	-	-	-	-
Rhoose Airport	21	9	67	13.0	6.9	9.9	-	27.0	-4.2	-	-	840	-	33	10 Jun	190	145	18	1	17	7	13	10	22	72	43	3	4.25	-	-
Gwent																														
Crumbland	9	9	245	12.0	5.5	8.7	-	25.0	-3.2	9.2	9.3	1058	103	38	9 Feb	193	146	9	12	0	0	4	50	43	103	-	10	(3.88)	-	-
															1 Nov															
Newport	9	9	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Usk	9	9	21	-	-	-	-	-	-6.0	11.1	-	1062	103	33	9 Feb	187	148	3	4	2	0	0	-	-	94	-	0	-	-	-
8B ENGLAND SW																														
Avon																														
Bath	9	9	118	-	-	-	-	-	-	-	-	(914)	(114)	(69)	16 Aug	(177)	(145)	-	-	-	-	-	-	-	-	-	-	-	-	-
Filton	21	9	59	13.4	6.9	10.1	+0.1	27.1	-5.2	-	-	828	106	38	16 Aug	189	132	13	2	9	7	14	5	28	84	57	3	4.04	102	-
Long Ashton	9	9	51	13.6	6.5	10.1	+0.1	27.1	-4.6	10.5	-	906	103	35	16 Aug	191	140	7	1	0	8	10	10	36	91	-	6	4.07	99	-
Somerset																														
Cannington	9	9	23	14.1	6.9	10.5	+0.1	27.5	-4.5	-	-	696	94	25	16 Aug	178	130	1	1	5	0	4	3	22	-	-	7	(3.91)	(90)	-
Crewkerne	9	9	101	(13.1)	(6.7)	(9.9)	-	27.0	-4.5	-	-	968	-	37	9 Dec	191	153	4	0	3	0	8	-	26	-	-	5	-	-	-
Downside Abbey	9	9	183	-	-	-	-	-	-5.0	-	-	1094	101	47	16 Aug	195	157	9	0	1	1	8	22	-	-	-	0	-	-	-
Exton	21	9	335	11.6	5.4	8.5	-	25.1	-6.4	-	-	1380	-	43	2 May	231	188	45	9	37	1	7	47	37	97	65	1	-	-	-
Hawkridge	9	9	314	11.2	5.4	8.3	-	23.8	-7.5	-	-	1503	98	54	21 Aug	234	196	15	8	11	4	4	45	34	-	-	0	(3.04)	-	-
Nettlecombe	9	9	96	13.3	(6.1)	(9.7)	-	26.2	-6.2	10.9	-	(969)	-	34	16 Aug	(193)	(149)	4	4	0	0	2	10	29	73	-	5	-	-	-
Nettlecombe (Birds Hill)	9	9	290	-	(6.1)	-	-	-	-5.5	-	-	(1109)	-	41	16 Aug	(195)	(156)	5	8	0	0	3	18	26	-	-	6	-	-	-
Rodney Stoke	9	9	40	13.4	6.6	10.0	-	26.8	-4.2	10.8	10.8	798	88	30	2 May	189	146	3	0	6	0	6	5	23	67	-	4	-	-	-
Wincanton	9	9	114	13.4	5.8	9.6	-	26.8	-6.5	-	-	995	109	38	12 Jul	193	160	11	2	5	1	11	35	46	(92)	-	9	(4.11)	-	-
Yeovilton	21	9	18	13.8	6.3	10.1	-	27.9	-6.1	-	-	760	100	28	13 Jan	185	141	4	0	4	1	10	13	46	-	-	3	-	-	-
Dorset																														
Bournemouth																														
Hurn Airport	21	9	10	13.8	6.5	10.1	-	27.9	-6.6	-	-	906	112	43	24 Aug	188	135	7	2	3	6	12	10	49	83	60	3	4.47	-	-
Meyrick Park	9	9	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Christchurch	9	9	3	13.8	(7.1)	(10.5)	-	26.6	-4.6	-	-	883	113	37	16 Aug	178	137	3	1	6	0	10	3	29	(74)	-	1	-	-	-
Poole	9	9	5	(14.0)	(6.9)	(10.5)	(+0.1)	27.8	(-4.3)	11.6	11.5	927	119	28	7 Dec	(179)	(137)	6	4	3	1	2	16	27	73	-	1	4.62	98	-
Portland Bill (Coastguard)	21	9	53	(12.7)	(8.3)	(10.5)	(-0.2)	25.2	-1.0	-	-	810	-	36	16 Aug	168	121	4	0	3	2	12	8	6	-	-	31	(4.71)	-	-
Swanage	9	9	11	13.2	8.0	10.6	+0.1	24.1	-3.3	-	11.9	866	107	28	9 Dec	184	146	2	0	1	8	7	2	14	40	-	16	4.42	91	-
Weymouth	9	9	23	13.8	7.6	10.7	-	27.0	-2.8	-	-	906	-	78	11 Jul	175	137	2	0	1	0	3	2	19	-	-	0	(4.59)	(94)	-
Winfrith	9	9	26	(13.7)	(6.7)	(10.2)	-	26.9	-5.5	-	-	1025	117	36	24 Aug	177	146	0	0	0	0	1	6	34	(85)	-	1	-	-	-
Devon																														
Cheldon Barton	9	9	164	13.1	6.0	9.5	-	24.9	-5.4	10.5	-	993	-	25	10 Jun	212	172	14	3	11	2	11	3	30	96	-	3	(3.99)	-	-
Exeter Airport	21	9	32	13.9	6.9	10.4	+0.1	27.0	-4.9	-	-	851	110	29	13 Jan	181	137	11	1	3	12	8	10	32	92	41	3	(3.78)	(89)	-
Exmouth	9	9	59	13.9	(7.6)	(10.7)	(+0.6)	27.0	-4.5	-	-	(830)	(106)	35	16 Aug	(172)	(136)	3	0	4	1	6	12	17	-	-	9	4.60	99	-
Hartland Point	21	9	91	12.1	8.6	10.3	0.0	24.8	-1.5	-	-	703	81	29	10 Jun	189	138	4	2	11	5	6	11	3	-	-	54	-	-	-
Ilfracombe	9	9	8	13.4	8.9	11.1	-	24.5	-1.5	11.6	12.0	985	-	35	10 Jun	199	151	1	0	0	0	0	0	4	-	-	0	-	-	-
Plymouth																														
Mount Batten	21	9	27	13.5	8.1	10.8	+0.1	26.8	-3.7	-	-	1034	104	39	23 Aug	192	150	6	0	1	18	13	8	14	58	40	17	4.55	99	-
The Hoe	9	9	36	13.5	7.9	10.7	-0.2	27.3	-3.7	11.4	11.4	924	95	39	23 Aug	183	148	4	1	0	1	6	-	17	70	-	7	(4.43)	(97)	-
Prawle Point	21	9	95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	0	5	0	-	14	-	-	-	84	4.62	-	-
Princetown	9	9	414	10.8	5.4	8.1	-	24.2	-6.0	-	-	(2049)	-	66	9 Feb	(224)	(198)	21	19	6	12	2	92	35	83	-	3	-	-	-
Slapton	9	9	32	-	(7.8)	-	-	25.8	-2.0	-	-	1059	99	46	23 Aug	195	151	0	0	8	6	6	4	11	-	-	6	-	-	-
Starcross	9	9	9	13.9	6.9	10.4	+0.1	26.7	-4.1	11.0	-	848	104	28	2 May	179	131	5	0	7	2	3	14	30	68	-	14	4.27	93	-
Tavistock	9	9	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Teignmouth	9	9	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Torbay (Torquay)	9	9	8	14.1	7.9	11.0	+0.1	26.5	-3.5	-	11.9	951	106	32	23 Aug	182	143	0	0	6	1	6	4	15	-	-	25	4.84	101	-
Cornwall																														
Bastreet	9	9	232	12.4	5.3	8.9	-	25.6	-8.6	-	-	1638	96	39	9 Dec	235	192	9	3	8	1	4	20	50	(85)	-	2	4.06	-	-
Bude	9	9	15	13.6	7.4	10.5	0.0	27.1	-4.5	11.4	-	814	94	19	10 Jun	(210)	(157)	5	2	7	2	2	2	25	-	-	30	4.20	95	-
Culdrose	9	9	81	13.0	7.6	10.3	-	25.6	-4.2	-	-	1187	126	84	5 Oct	224	176	9	2	5	4	18	13	16	-	-	9	(4.44)	-	-
Ellbridge	9	9	69	-	-	-	-	28.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Falmouth	9	9	51	13.4	7.5	10.5	-0.4	26.0	-4.0	-	-	1212	110	93	5 Oct	214	172	3	0	6	1	2	0	12	-	-	7	4.19	92	-
Fowey	9	9	75	13.3	7.4	10.3	-0.6	26.6	-3.2	-	-	1026	-	45	23 Aug	220	167	5	2	0	21	11	13	20	-	-	12	-	-	-
Gulval	9	9	15	13.8	7.8	10.8	-	27.5	-3.0	-	-	(1158)	-	55	23 Aug	(237)	(178)	1	0	5	9	6	1	4	45	-	5	-	-	-
Gwennap Head	21	9	66	(12.8)	(9.0)	(10.9)	-	25.1	-1.0	-	-	811	-	41	5 Oct	198	153	6	0	12	7	8	11	3	-	-	68	-	-	-
Lizard	9	9	73	13.3	-	-	-	25.2	-	-	-	1005	114	73	5 Oct	195	172	4	0	5	0	3	9	-	-	-	59	4.85	102	-
Newquay	9	9	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penzance	9	9	19	14.0	(8.0)	(11.0)	(-0.3)	26.6	-3.2	-	-	1239	113	59	23 Aug	226	178	2	1	9	0	8	2	10	-	-	27	(4.65)	(99)	-
Rosewarne	9	9	76	13.3	7.6	10.5	-	23.9	-2.4	11.7	11.6	1331	127	93	5 Oct	222	181	8	1	25	6	8	2	12	51	-	22	4.20	-	-
St. Austell (Bethel)	9	9	55	13.4	7.6	10.5	-	25.5	-3.3	-	-	1173	-	51	23 Aug	226	180	3	2	1	18	10	3	11	-	-	9	-	-	-
St. Johns	9	9	128	13.3	6.3	9.8	-	26.7	-8.0	-	-	1163	97	34	9 Dec	212	171	-	-	-	-	-	-	32	-	-	-	-	-	-
St. Mawgan	21	9	103	13.3	8.0	10.7	-	25.6	-3.0	-	-	1100	109	75	5 Oct	206	168	12	2	4	28	13	6	15	49	27	10	4.71	-	-
Scilly (St. Marys)	21	9	48	13.5	9.5	11.5	-0.1	24.1	0.4	-	-	965	110	48	23 Aug	224	156	3	0	6	10	7	12	0	-	-	30	4.74	100	-
Channel Islands																														
Alderney	9	9	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guernsey																														
Airport	21	9	104	12.7	8.7	10.7	-0.2	25.3	-0.1	10.7	11.0	876	101	35	20 Nov	190	146	12	2	21	10	9	12	1	30	17	11	4.88	96	-
L'Ancresse	9	9	5	13.8	9.0	11.4	-	24.0	-1.3	-	-	895	110	32	20 Nov	201	145	6	-	13	0	2	-	4	-	-	0	5.25	-	-
Jersey																														
Airport	9	9	83	13.3	8.3	10.8	-	26.9	-2.3	11.4	11.5	852	101	39	20 Nov	200	142	15	0	21	4	10	9	6	28	23	7	5.02	-	-
Gorey Castle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.05	-	-
St. Helier	9	9	47	14.1	8.8	11.5	-0.4	27.5	-1.3	-	-	889	104	35	20 Nov	192	141	6	0	15	1	7	1	3	60	-	1	5.20	98	-

Table 3 (continued)

District Region/County and Place	terminal h (GMT) of observation max	terminal h (GMT) of observation min	height of station above MSL (metres)	air temperature in °C: means of max (a)	means of min (b)	daily mean (mean of a + b)	difference from 1941-70 average	highest max	lowest min	mean earth temperature 30 cm (°C)	mean earth temperature 100 cm (°C)	rainfall (terminal h 09 GMT): total fall (mm)	percentage of 1941-70 average	most in a day: amount (mm)	most in a day: date	weather (number of days): precipitation 0.2 mm or more	precipitation 1.0 mm or more	snow or sleet	snow lying at 9h	hail	ice pellets, etc.	thunder heard	fog at 9h	air frost	grass min below 0°C	concrete min below 0°C	gale	bright sunshine: daily mean (hours)	percentage of 1941-70 average	exposure
NORTHERN IRELAND																														
Londonderry																														
Aghanloo	99		18	12.4	5.6	9.0	-	26.0	-6.6	-	-	781	-	23	24 Aug	199	171	-	-	-	-	-	-	30	71	-	-	-	-	-
Banagher (Caugh Hill)	99		216	11.3	4.1	7.7	-	26.0	-8.5	-	-	1384	-	48	17 Feb	243	203	29	17	5	3	5	-	58	128	-	53	3.61	-	-
Carmoney	99		73	12.0	5.5	8.7	-	24.5	-6.5	-	-	855	-	27	17 Feb	227	175	6	6	1	2	1	3	32	78	-	-	3.76	-	-
Coleraine University	99		23	11.9	5.0	8.5	-	25.7	-8.0	9.4	9.4	893	-	22	17 Feb	230	173	30	3	5	8	2	16	42	84	-	7	3.59	97	-
Coolkeeragh	99		3	-	-	-	-	25.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Derrynoyd Forest	99		88	12.1	4.5	8.3	-	28.5	-7.9	-	-	1288	106	46	17 Feb	240	189	21	5	8	2	1	6	48	149	-	-	-	-	-
Garvagh Forest	99		88	11.8	4.4	8.1	-	27.1	-8.6	9.1	8.9	1248	103	32	24 Aug	244	194	17	9	13	0	1	3	56	123	-	-	-	-	-
Loughermore Forest	99		174	11.6	4.0	7.8	-	26.1	-9.3	-	-	1194	103	28	17 Feb	242	200	52	24	18	7	6	6	66	132	-	39	-	-	-
Moneydig	99		34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Somerset Forest	99		43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antrim																														
Aldergrove Airport	21-9		68	12.1	5.6	8.9	0.0	28.0	-7.8	9.7	9.7	812	89	23	25 Jan	228	153	35	7	9	6	6	5	44	89	61	0	3.99	114	-
Altnahinch	99		226	10.7	4.3	7.5	-	26.1	-7.0	-	-	1399	91	50	25 Jan	243	195	28	18	9	4	2	8	57	126	-	11	3.57	-	-
Ballylumford	99		24	12.2	6.2	9.2	-	25.8	-5.7	-	-	906	-	40	24 Aug	196	157	-	-	-	-	-	-	12	62	-	-	-	-	-
Ballymoney	99		55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ballypatrick Forest	99		152	11.1	4.4	7.7	-	25.5	-7.0	-	-	1229	96	39	25 Jan 24 Aug	243	185	7	-	0	1	0	7	45	109	-	6	4.01	-	-
Carnlough	99		12	12.4	5.8	9.1	-	24.6	-3.9	-	-	1157	-	54	25 Jan	215	168	10	-	6	0	3	1	26	-	-	-	-	-	-
Divis Mountain	99		363	9.8	-	-	-	25.0	-	-	-	1365	112	28	24 Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greenmount	99		32	12.5	5.0	8.7	-	27.6	-7.4	10.0	-	811	93	27	25 Jan 17 Feb	191	150	15	9	3	6	4	-	55	89	-	-	-	-	-
Hyde Park (Mallusk)	99		140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kilroot Power Station	99		12	12.4	6.0	9.2	-	24.9	-4.6	-	-	909	-	41	25 Jan	218	155	-	1	-	-	-	-	32	77	-	-	-	-	-
Lisnafillan	99		38	12.2	4.1	8.1	-	27.7	-9.5	-	-	979	99	35	24 Aug	220	170	8	0	1	4	2	6	69	129	-	-	3.94	-	-
Lowtown	99		271	10.3	4.3	7.3	-	25.0	-5.4	8.0	-	1476	103	39	24 Aug	240	194	27	19	0	6	1	31	54	132	-	17	3.35	-	-
Parkmore Forest	99		235	10.4	-	-	-	24.8	-	-	-	1764	107	47	25 Jan	249	206	28	16	1	5	3	8	-	168	-	25	-	-	-
Woodburn North	99		217	10.7	4.5	7.6	-	24.5	-6.0	-	-	1224	101	43	24 Aug	230	193	15	15	0	0	1	30	49	112	-	-	-	-	-
Belfast																														
Andersonstown	99		64	12.4	5.3	8.9	-	25.8	-7.6	-	-	1071	-	33	25 Jan	223	179	-	-	-	-	-	-	41	78	-	-	-	-	-
Malone	99		35	12.5	5.6	9.1	-	27.0	-6.0	9.7	-	930	-	25	25 Jan	220	171	-	-	-	-	-	-	40	-	-	-	3.91	-	-
Milltown	99		37	12.9	5.6	9.3	-	28.2	-5.5	-	-	918	-	26	30 Oct	212	167	14	5	6	3	5	5	43	-	-	-	-	-	-
Newtownabbey	99		32	12.4	6.7	9.5	-	25.5	-5.0	10.2	-	944	93	23	30 Mar 9 Dec	211	159	19	3	9	1	5	6	18	83	59	10	3.86	-	S
Rosebank	99		47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rosetta	99		24	12.7	5.8	9.3	-	27.5	-6.8	-	-	862	92	28	9 Dec	197	145	7	5	0	1	0	5	30	-	-	-	-	-	-
Stormont Castle	99		56	12.1	6.0	9.1	-	26.5	-5.7	9.9	10.0	873	94	34	24 Aug	212	168	7	4	1	1	1	3	23	123	-	-	3.79	-	-
Down																														
Bangor Seacourt	99		15	12.3	6.9	9.6	-	25.0	-2.8	10.3	10.6	813	-	37	30 Oct	208	151	15	1	3	18	8	3	12	55	-	-	3.97	-	-
Ballywalter Park	-	-	11	-	-	-	-	-	-	-	-	785	92	39	30 Oct	-	-	-	-	-	-	-	-	-	-	-	-	4.26	-	-
Ballywatticock	99		6	12.3	6.0	9.1	-	25.6	-4.5	-	-	756	96	32	30 Oct	194	145	11	1	4	6	4	2	26	79	-	-	4.22	-	-
Creightons Green	99		119	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Downpatrick	99		26	12.8	6.1	9.5	-	27.0	-5.5	-	-	769	-	39	30 Oct	182	136	-	-	-	-	-	15	31	-	-	-	-	-	-
Helens Bay	99		43	12.4	6.4	9.4	-	26.4	-3.2	-	-	884	103	37	24 Aug	205	154	14	2	1	19	3	5	16	74	-	16	4.14	-	-
Hillsborough	99		116	11.7	5.3	8.5	-0.2	26.4	-5.9	9.3	9.2	852	94	36	30 Oct	211	161	17	9	3	2	3	5	40	119	-	20	4.15	119	-
Murlough	99		9	-	5.1	-	-	-	-7.0	-	-	974	-	51	30 Oct	202	157	5	4	2	2	1	9	41	114	-	47	4.13	-	-
Armagh																														
Armagh	99		62	12.5	5.4	8.9	-0.4	28.5	-7.0	10.5	10.6	788	91	23	24 Aug	217	155	17	7	7	3	5	7	45	113	-	27	3.55	103	-
Loughgall	99		25	12.5	5.1	8.8	-	27.7	-6.5	-	-	776	97	32	24 Aug	221	152	8	3	8	6	1	18	48	130	-	4	3.94	-	-
Lurgan	99		55	12.7	5.5	9.1	-	28.3	-7.6	9.7	9.8	733	89	25	25 Jan	209	151	3	-	0	0	0	-	42	116	-	-	3.91	-	-
Tandragee	99		43	13.4	5.1	9.3	-	29.3	-7.4	-	-	756	-	25	24 Aug	178	140	-	-	-	-	-	-	46	-	-	-	-	-	-
Tyrone																														
Altaveedan	99		175	11.7	4.5	8.1	-	25.4	-6.0	-	-	1218	-	39	10 Feb	238	188	-	-	-	-	-	-	50	85	-	-	-	-	-
Carrigans	21-9		113	12.2	5.3	8.7	-	27.0	-7.2	-	-	1142	101	25	7 Jul	246	189	40	13	19	16	9	9	46	118	62	0	3.51	-	-
Cookstown	99		77	12.1	4.8	8.5	-	27.0	-6.2	-	-	896	89	35	24 Aug	217	169	11	5	0	0	2	21	51	105	-	-	3.77	-	-
Lough Bradan	99		169	11.3	3.8	7.5	-	25.3	-8.4	-	-	1534	109	33	10 Feb	250	206	-	10	-	-	-	4	74	125	-	-	3.52	-	-
Pomeroy Forest	99		174	11.4	4.4	7.9	-	25.6	-7.0	9.6	-	1097	97	29	17 Feb	232	180	15	16	0	1	0	28	50	114	-	-	-	-	-
Strabane Convent	99		44	12.7	5.5	9.1	-	28.0	-6.5	-	-	988	103	23	15 Feb	232	202	34	8	13	15	5	11	34	62	-	31	3.63	-	-
Tievenny	99		41	12.5	4.9	8.7	-	27.1	-7.8	-	-	1025	-	24	15 Feb	232	188	-	-	-	-	-	-	45	92	-	-	-	-	-
Fermanagh																														
Castle Archdale Forest	99		66	12.3	5.0	8.7	0.0	26.2	-7.9	9.8	9.8	1065	93	28	10 Feb	228	187	18	4	1	0	6	10	46	108	-	0	3.50	99	-
Corgary	99		156	11.7	5.2	8.5	-	25.2	-5.3	-	-	1131	-	26	11 Nov	229	213	25	-	13	12	5	6	31	72	51	-	-	-	-
Knockaravan	99		53	12.6	5.1	8.9	-	28.2	-6.8	-	-	1099	-	32	11 Nov	239	185	11	5	6	8	4	4	40	86	50	-	-	-	-
Lisnaskea	99		49	12.7	4.9	8.8	-	26.5	-8.1	-	-	1003	103	27	19 Jan	220	164	5	-	0	3	0	5	41	-	-	-	3.59	-	-
Lough Navar Forest	99		148	12.0	4.1	8.1	-	26.5	-7.5	-	-	1419	95	29	30 Jun	247	215	17	17	4	9	2	29	64	132	-	-	-	-	-
Pubble Forest	99		91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 4 Summary of observations at fixed hours

District Region/County and Place	Height of barometer above msl (metres)	Hour of observation (GMT)	mean pressure: at MSL (mb)	mean pressure: difference from 1941-70 average	mean temperature and humidity: dry bulb (°C)	mean temperature and humidity: depression of wet bulb (°C)	mean temperature and humidity: vapour pressure (mb)	mean temperature and humidity: relative humidity (%)	cloud amount: mean (oktas)	cloud amount: number of observations: 0	1-2	3-5	6-7	8	sky obscured	visibility: number of observations: 0-39m	40-190m	200-390m	400-990m	1000-1900m	2000-3900m	4-9km	10-19km	20-39km	40km and over	wind speed and direction: number of observations: beaufort force: 8 or more	6-7	4-5	1-3	calm	speed (kt): 34 or more	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
0 SCOTLAND N																																										
Shetland																																											
Fair Isle	61	9	1009.8	–	7.5	0.9	9.2	86	6.2	7	29	47	170	98	14	0	9	4	6	8	13	25	56	142	102	40	84	162	67	12	54	27	45	36	67	36	47	41
		15	1010.0	–	7.9	1.1	9.3	85	6.1	5	31	55	173	89	12	0	5	3	7	17	9	29	68	137	90	35	87	181	54	8	58	24	35	48	63	28	51	50
		21	1010.3	–	7.1	0.9	9.0	87	5.9	5	56	51	138	104	11	0	6	6	2	11	8	28	55	129	120	30	87	143	86	19	67	22	44	36	58	39	35	45
Lerwick	83	3	1009.6	–	–	–	–	–	6.1	1	47	58	111	132	16	0	16	3	0	2	17	58	83	132	54	1	53	137	157	17	70	25	15	24	76	42	55	41
		9	1009.7	– 0.5	–	–	–	–	6.3	1	30	61	153	108	12	0	10	2	2	3	14	57	76	115	86	4	61	172	115	13	60	37	23	37	66	44	53	32
		15	1009.8	–	–	–	–	–	6.2	2	29	65	149	111	9	0	6	2	6	2	12	59	73	126	79	3	54	176	127	5	54	44	19	35	67	47	59	35
		21	1010.2	–	–	–	–	–	5.9	4	48	61	114	126	12	0	8	3	2	4	17	67	72	126	66	0	50	157	143	15	62	43	20	18	70	43	59	35
Orkney																																										
Kirkwall	26	3	1009.8	–	6.4	0.7	8.9	90	5.8	7	63	50	110	127	8	0	2	6	3	6	8	29	77	151	83	4	40	160	151	10	46	24	28	41	82	39	64	31
		9	1010.1	– 0.5	7.8	1.0	9.4	86	6.1	3	38	54	171	97	2	0	0	2	2	4	9	33	72	138	105	1	59	170	133	2	55	30	30	42	81	28	65	32
		15	1010.1	–	8.7	1.4	9.4	81	6.0	2	40	62	164	95	2	0	0	1	0	3	10	35	79	122	115	3	44	196	117	5	61	27	34	52	62	28	63	33
		21	1010.5	–	6.8	0.7	9.1	89	5.8	2	53	66	123	118	3	0	1	2	3	2	9	32	87	130	99	2	43	147	164	9	50	21	34	53	78	30	56	34
Western Isles																																										
Benbecula	7	3	1010.0	–	7.4	0.7	9.6	90	5.4	20	56	65	127	97	0	0	0	0	5	2	4	21	59	156	118	4	49	150	152	10	47	35	35	51	72	34	54	27
		9	1010.3	– 0.4	8.8	1.1	9.9	85	5.6	2	61	62	167	73	0	0	0	0	1	0	8	26	50	160	120	0	52	206	101	6	39	43	28	51	71	49	46	32
		15	1010.3	–	10.0	1.5	10.3	82	5.5	3	62	71	152	77	0	0	0	0	0	3	10	26	51	140	135	1	58	213	91	2	40	40	22	43	75	58	51	34
		21	1010.4	–	8.1	0.8	9.8	88	5.5	10	66	60	122	106	1	0	0	1	1	1	7	26	57	143	129	3	43	177	133	9	55	42	30	49	60	53	46	21
Stornoway	5	3	1009.8	–	7.0	0.6	9.4	91	5.3	9	72	65	113	104	2	0	0	1	3	0	1	29	83	197	51	4	39	137	172	13	31	26	37	39	49	65	59	46
		9	1010.9	– 0.5	8.2	1.0	9.7	87	6.0	2	32	68	177	86	0	0	0	0	3	0	4	33	76	168	81	4	42	173	142	4	33	40	42	41	70	56	52	27
		15	1010.1	–	9.4	1.5	9.8	81	5.8	1	47	70	166	81	0	0	0	0	0	1	2	37	67	151	107	4	46	213	100	2	30	61	29	28	85	55	40	35
		21	1010.2	–	7.8	0.8	9.7	89	5.3	11	70	73	105	105	1	0	0	0	2	0	1	36	72	174	80	5	41	155	158	6	38	54	37	38	46	65	51	30
Highland																																										
Cape Wrath	113	3	1009.3	–	7.5	0.9	9.3	87	5.7	5	49	97	64	135	15	0	11	4	2	0	2	5	39	171	131	8	48	114	185	10	25	34	50	42	42	90	34	38
		9	1009.7	–	7.8	0.9	9.5	87	6.3	3	13	96	111	130	12	0	5	4	3	4	1	13	50	168	117	9	38	126	190	2	32	30	57	44	46	80	44	30
		15	1009.8	–	8.5	1.0	9.8	86	6.0	2	21	105	117	108	12	0	5	5	3	2	0	10	45	175	120	9	47	134	170	5	33	36	71	33	23	85	44	35
		21	1009.9	–	7.8	0.9	9.4	87	6.0	3	32	86	106	131	7	0	6	0	1	3	0	11	51	186	107	12	43	127	177	6	30	30	71	36	35	81	46	30
Dalcross	12	9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Wick	37	3	1010.1	–	6.3	0.8	8.7	88	5.5	6	69	52	154	77	7	0	2	5	6	5	8	41	62	159	77	2	32	135	190	6	42	19	19	45	79	39	75	41
		9	1010.3	-0.6	7.7	1.2	9.1	84	6.1	1	37	56	194	72	5	0	2	3	1	4	9	44	61	139	102	0	41	158	166	0	57	29	29	37	90	38	54	31
		15	1010.3	–	8.7	1.6	9.2	79	6.1	0	36	52	221	56	0	0	0	0	2	3	8	39	50	134	129	1	36	187	140	1	49	24	39	64	67	27	53	41
		21	1010.7	–	7.0	0.9	8.9	86	5.6	3	62	58	164	74	4	0	1	2	5	2	11	32	71	152	89	1	25	152	185	2	50	24	22	58	82	39	51	37
1 SCOTLAND E																																										
Grampian																																										
Dyce	59	3	1010.9	–	6.0	0.8	8.6	88	5.9	13	54	41	116	134	7	0	3	3	9	11	20	66	41	113	99	0	10	101	199	55	37	10	17	35	62	34	48	67
		9	1011.0	– 1.0	7.9	1.4	8.9	81	6.3	2	36	40	172	112	3	0	0	0	4	7	24	66	60	88	116	0	19	141	179	26	57	8	21	39	75	32	45	62
		15	1010.8	–	9.9	2.2	9.1	73	6.2	4	30	53	179	99	0	0	0	0	3	4	18	55	62	96	127	1	10	160	183	11	50	14	34	57	77	29	36	57
		21	1011.4	–	7.1	1.1	8.9	85	5.9	7	60	46	126	121	5	0	1	1	4	7	34	74	50	108	86	0	11	102	221	31	39	8	29	40	80	33	48	57
Fraserburgh	22	3	1010.8	–	7.4	0.9	9.2	87	5.7	5	56	64	101	130	9	0	1	4	4	1	4	3	177	170	1	10	44	127	184	0	35	17	20	58	86	40	58	51
		9	1011.0	– 0.6	8.3	1.1	9.5	85	6.1	0	30	88	128	115	4	2	0	3	2	0	2	8	130	216	2	9	43	145	168	0	36	17	35	46	75	31	68	57
		15	1011.0	–	9.3	1.5	9.7	81	6.0	0	29	95	117	123	1	0	1	3	0	0	3	6	113	238	1	10	39	122	194	0	47	22	40	58	57	23	60	58
		21	1011.3	–	8.0	1.1	9.4	85	5.8	3	52	76	97	132	5	2	2	2	2	0	3	6	162	186	0	10	40	116	199	0	44	22	29	72	75	32	48	43
Kinloss	6	3	1010.6	–	8.7	1.0	8.7	85	5.7	7	57	55	164	81	1	0	0	0	1	2	6	37	65	143	111	1	17	111	215	21	28	18	38	21	67	119	32	21
		9	1010.8	– 0.7	8.2	1.4	9.1	81	6.0	3	44	48	201	69	0	0	0	2	0	3	2	43	65	119	131	0	23	127	207	8	50	32	35	20	49	87	63	21
		15	1010.6	–	10.3	2.2	9.4	73	5.8	1	49	61	202	52	0	0	0	0	0	1	4	23	63	114	160	0	23	174	165	3	58	52	38	28	37	69	53	27
		21	1011.0	–	7.8	1.3	9.0	82	5.6	2	64	54	182	63	0	0	0	0	1	1	7	42	59	123	132	0	13	125	216	11	30	39	56	26	77	72	35	19
Lossiemouth	6	3	1010.4	–	6.5	1.1	8.4	84	5.7	5	65	43	163	87	2	0	0	2	4	0	6	38	66	108	141	1	21	127	190	26	36	16	43	37	46	95	48	18
		9	1010.6	–	8.1	1.5	8.9	80	6.1	2	46	38	196	82	1	0	0	0	2	1	3	39	55	111	154	0	24	151	180	10	48	23	41	38	48	75	64	18
		15	1010.5	–	9.8	2.1	9.1	74	5.9	1	43	54	210	56	1	0	0	1	1	0	6	23	58	107	169	1	27	183	146	8	46	29	62	36	30	55	68	31
		21	1010.8	–	7.6	1.3	8.9	82	5.7	4	56	50	183	72	0	0	1	0	1	2	4	44	61	115	137	1	15	142	192	15	42	26	63	45	34	75	40	25
Tayside																																										
Usan	35	9	1011.6	–	8.2	1.2	9.4	83	5.7	2	60	63	120	114	6	3	0	3	3	2	11	27	40	88	188	1	47	129	153	35	57	29	20	20	66	51	63	24
		15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Fife																																										
Leuchars	12	3	1011.2	–	6.4	0.9	8.6	86	5.5	21	51	69	117	104	3	0	3	2	7	0	9	64	70	131	79	0	19	119	184	43	39	33	24	16	20	111	63	16
		9	1011.4	– 0.8	8.3	1.6	9.0	79	5.8	0	57	53	167	85	3	0	1	2	5	2	8	50	82	91	124	0	30	140	177	18	29	30	47	26	23	103	67	22
		15	1011.2	–	10.2	2.3	9.2	72	5.8	2	50	60	178	74	1	0	0	0	1	6	12	40	67	121	118	1	28	212	115	9	19	39	85	24	24	84	64	17
		21	1011.7	–	7.7	1.2	9.1	83	5.6	10	64	56	144	89	2	0	1	1	4	3	10	53	77	120	96	0	20	135	185	25	37	50	49	21	21	93	54	15
Lothian																																										
Turnhouse	44	3	1011.5	–	6.7	0.8	9.0	88	5.7	15	54	40	158	93	5	0	3	3	3	3	15	52	86	170	30	0	12	113	187	53	13	35	55	15	18	71	90	15
		9	1011.8	– 0.9	8.3	1.4	9.3	81	6.0	4	47	49	185	78	2	0	2	2	3	6	11	64	112	113	52	0	16	142	183	24	18	59	47	11	26	76	86	18
		15	1011.4	–	10.7	2.4	9.5	72	5.9	2	47	53	195	68	0	0	1	0	2	2	9	41	107	112	91	0	17	195	146	7	12	75	57	14	21	61	95	23
		21	1011.9	–	8.0	1.2	9.3	83	5.8	4	61	44	168	84	4	0	3	1	2	3	14	62	116	117	47	0	8	124	214	19	9	49	74	16	23	81	85	9
6 SCOTLAND W																																										
Strathclyde																																										
Abbotsinch	9	3	1011.4	–	6.8	0.9	8.9	87	5.7	9	64	49	126	113	4	0	3	1	6	6	16	85	111	104	33	0	7	85	235	38	13	49	75	10	30	71	68	11
		9	1011.6	– 1.1	8.5	1.5	9.4	81	5.9	2	46	61	168	82	6	1	5	2	7	8	14	72	101	92	63	0	9	105	220	31	23	36	82	11	22	67	67	26
		15	1011.2	–	11.2	2.7	9.4	70	5.8	3	46	69	165	77	5	1	3	1	3	4	10	46	82	122	93	0	6	175	171	13	13	42	68	14	30	63	90	32
		21	1011.6	–	8.5	1.4	9.3	81	5.5	12	59	66	123	100	5	1	4	1	4	4	13	83	102	111	42	0	3	101	236	25	10	40	83	13	29	79	69	17
Glasgow Weather Centre (X)	17	3	1011.6	–	–	–	–	–	5.7	22	51	44	128	117	3	0	2	1	2	5	9	80	109	140	17	0	0	39	298	28	9	74	58	27	65	62	39	3
		9	1011.9	–	8.8	1.8	9.0	77	5.9	5	42	61	161	93	3	0	2	1	1	3	13	77	120	114	34	0	0	50	301	14	23	64	48	32	62	77	35	10
		15	1011.4	–	11.4	3.1	8.9	65	5.9	4	41	67	165	86	2	0	1	1	3	2	9	43	96	126	84	0	0	76	278	11	19	66	43	23	66	77	48	12
		21	1011.8	–	9.2	1.9	9.2	76	5.6	9	62	56	138	97	3	1	2	0	1	4	8	73	103	134	39	0	0	39	315	11	11	80	53	20	80	60	40	10
Machrihanish	14	3	1011.0	–	7.8	0.9	9.5	87	5.5	10	60	73	106	115	1	0	0	1	3	1	6	39	110	154	51	10	55	140	145	15	24	8	85	60	42	37	53	41
		9	1011.4	–	9.0	1.3	9.9	83	5.9	3	49	65	149	98	1	0	0	1	1	1	14	46	114	133	55	3	55	180	123	4	24	3	79	55	38	39	64	59
		15	1011.1	–	10.5	1.8	10.1	78	5.9	1	52	65	151	96	0	0	0	0	0	3	10	45	108	132	67	9	55	195	103	3	24	8	48	49	52	21	100	60
		21	1011.3	–	8.7	1.1	9.9	85	5.6	5	61	71	115	111	2	0	0	1	2	0	9	36	107	143	67	6	64	150	129	16	26	13	66	51	44	35	65	49
Prestwick	21	3	1011.6	–	6.9	0.8	9.1	88	5.4	10	77	44	124	110	0	0	0	0	1	0	4	64	123	154	19	0	23	118	192	32	17	36	57	63	47	42	42	29
		9	1012.0	– 0.8	8.7	1.5	9.4	80	5.7	2	55	59	169	80	0	0	0	0	0	1	3	64	114	138	45	0	21	157	169	18	20	35	58	35	50	45	63	41
		15	1011.5	–	11.0	2.5	9.6	71	5.9	2	39	77	162	84	1	0	0	1	0	1	6	54	103	125	75	0	25	204	134	2	12	32	42	34	54	41	98	50
		21	1011.9	–	8.4	1.2	9.7	84	5.5	9	62	63	123	108	0	0	0	0	0	1	6	73	127	114	44	1	21	138	180	25	18	23	62	47	53	42	50	45
Rhuvaal	19	3	1011.1	–	8.6	1.3	9.5	82	5.4	15	80	42	83	144	1	0	0	0	1	0	2	14	51	151	146	11	42	103	188	21	38	10	38	28	115	30	47	38
		9	1011.4	–	9.2	1.5	9.6	80	5.9	7	42	67	120	129	0	0	0	0	0	0	1	17	58	162	127	12	40	117	176	20	42	22	36	36	87	30	54	38
		15	1011.3	–	10.4	1.9	9.8	76	5.8	3	40	82	131	109	0	0	0	0	0	0	2	17	61	143	142	12	49	113	180	11	44	17	28	26	89	27	73	55
		21	1011.4	–	9.2	1.4	9.7	81	5.5	10	74	63	82	136	0	0	0	0	0	0	3	15	54	142	151	8	48	106	172	31	37	8	30	29	94	40	60	36

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Table 4 (continued)

District Region/County and Place	terminal h (GMT) of observation: max	terminal h (GMT) of observation: min	height of station above MSL (metres)	air temperature in °C: means of: max (a)	means of: min (b)	daily mean (mean of a + b)	difference from 1941-70 average	highest max lowest min: max	highest max lowest min: min	mean earth temperature: 30 cm (°C)	mean earth temperature: 100 cm (°C)	rainfall (terminal h 09 GMT): total fall (mm)	rainfall: percentage of 1941-70 average	most in a day: amount (mm)	most in a day: date	weather (number of days): precipitation: 0.2 mm or more	precipitation: 1.0 mm or more	snow or sleet	snow lying at 9h	hail	ice pellets, etc.	thunder heard	fog at 9h	air frost	grass min below 0°C	concrete min below 0°C	gale	bright sunshine: daily mean (hours)	bright sunshine: percentage of 1941-70 average	exposure
6 SCOTLAND W																														
Strathclyde																														
Achaglachgach	9	9	12	(12.2)	-	-	-	27.0	-	-	-	1667	101	49	14 Aug	238	187	-	-	-	-	-	-	-	-	-	-	-	-	-
Aros	9	9	37	-	-	-	-	27.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Auchincruive	9	9	45	12.1	5.6	8.9	+0.1	27.4	-7.1	9.1	-	1059	115	42	30 Oct	209	165	7	7	5	1	5	1	39	100	-	4	4.40	121	-
Barrhead	9	9	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benmore (Younger Botanic Garden)	9	9	12	11.8	5.0	8.4	-	28.2	-6.8	-	-	2315	101	63	30 Mar	235	198	15	8	3	22	9	15	51	122	-	0	-	-	-
Brodick Castle	9	9	15	12.6	5.8	9.2	-	26.6	-4.5	10.4	-	2098	115	73	30 Mar	231	195	5	2	3	5	3	2	31	103	-	2	-	-	-
Camps Reservoir	9	9	295	10.0	2.8	6.4	-	27.8	-15.2	-	-	1313	111	82	30 Oct	229	181	57	27	0	11	6	11	88	-	-	47	-	-	S
Carnwath	9	9	208	10.9	2.6	6.7	-	28.8	-16.7	7.9	-	867	105	59	30 Oct	218	162	49	25	9	16	4	10	99	156	126	50	-	-	-
Colonsay	9	9	35	11.7	6.1	8.9	-	25.7	-4.1	-	-	1092	-	27	9 Sep	219	173	7	0	0	25	7	2	16	-	-	35	-	-	-
Crawfordjohn	9	9	274	-	-	-	-	28.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.77	-	-
Cumnock	9	9	99	-	(4.3)	-	-	-	-9.8	-	-	1239	-	62	30 Oct	211	172	16	6	0	5	3	1	56	99	-	5	3.91	-	-
Dunstaffnage	9	9	3	11.9	5.6	8.7	-	26.3	-5.9	-	-	1489	-	39	30 Mar	216	181	9	2	1	3	4	1	39	87	-	42	-	-	-
East Kilbride	9	9	178	11.1	4.7	7.9	-	28.3	-9.6	-	-	1332	-	49	30 Oct	211	172	15	21	0	3	2	-	49	122	-	0	4.29	-	-
Finnart	9	9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Girvan	9	9	8	12.5	6.0	9.3	-	26.8	-6.3	-	-	1061	111	44	30 Oct	200	163	3	1	0	0	2	0	32	62	-	39	4.41	-	-
Glasgow																														
Abbotsinch Airport	21-9		5	12.2	5.3	8.7	-0.2	29.2	-9.5	-	-	1044	-	32	30 Oct	209	157	35	6	0	24	4	15	55	117	84	0	4.10	118	-
Springburn Park	9	9	107	11.5	-	-	-	29.6	-	-	-	1137	109	40	7 Oct	214	162	21	14	4	6	3	31	-	123	-	1	3.92	121	-
Weather Centre (X)	21-9		40	12.1	6.9	9.5	-	29.6	-5.6	-	-	988	-	42	7 Oct	201	147	19	-	4	6	3	4	22	-	-	0	3.86	-	-
Greenock	9	9	61	-	-	-	-	-	-	-	-	1569	104	53	30 Mar	209	175	-	-	-	-	-	-	-	-	-	-	-	-	-
Helensburgh	9	9	89	11.2	4.7	7.9	-0.4	27.5	-6.8	-	-	1457	103	38	5 Oct	214	178	-	10	-	-	-	7	50	-	-	-	-	-	-
Hunterston	9	9	8	12.1	6.5	9.3	-	27.0	-6.8	-	-	1126	-	(32)	9 Sep	204	169	9	0	0	5	6	1	25	-	-	23	-	-	-
Kildonan	9	9	18	11.8	6.1	8.9	-	25.8	-3.0	-	-	1366	-	38	30 Mar	234	180	8	-	0	4	8	14	19	54	50	19	4.56	-	-
Knapdale Forest	9	9	12	-	4.5	-	-	-	-9.6	-	-	1679	-	41	7 Oct	229	196	7	1	0	1	0	9	54	111	-	6	-	-	-
Lanark	9	9	152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leadhills	9	9	388	9.8	2.6	6.2	-	27.0	-11.4	-	-	2069	131	99	30 Oct	230	187	80	26	11	10	9	18	89	135	-	58	-	-	-
Machrihanish	21-9		10	11.7	6.3	9.0	-	24.6	-5.4	-	-	1148	99	52	30 Mar	217	170	16	0	9	20	7	2	32	83	54	42	4.31	-	-
Millport	9	9	5	12.1	6.1	9.1	-	26.0	-6.5	-	-	1148	101	43	9 Sep	204	173	10	-	0	3	2	1	21	-	-	11	-	-	-
Paisley	9	9	32	12.4	6.0	9.2	0.0	30.0	-6.6	9.2	9.8	1201	109	35	2 Feb 30 Oct	210	168	13	2	2	0	7	10	40	67	-	5	3.80	114	-
Prestwick	21-9		16	12.1	5.5	8.8	-	27.5	-7.5	-	-	959	105	36	30 Oct	207	159	21	2	2	2	11	0	46	87	79	5	-	-	-
Rhuvaal	21-9		20	11.2	6.8	9.0	-	23.0	-1.6	-	-	1424	108	44	30 Mar	219	178	8	0	15	0	3	0	7	34	26	36	-	-	-
Rothesay	9	9	43	12.0	6.2	9.1	-	28.0	-2.5	8.8	8.7	1451	106	44	9 Sep	217	186	7	0	1	1	3	0	19	90	-	0	-	-	-
Sloy	21-9		12	11.8	5.6	8.7	-	28.1	-7.4	-	-	2498	-	67	6 Nov	234	197	21	-	0	5	1	0	42	-	-	0	-	-	-
Stronachullin	9	9	2	12.0	5.7	8.9	-	26.4	-5.1	-	-	-	-	-	-	-	-	6	0	3	1	1	2	37	61	-	0	-	-	-
Tiree	21-9		9	11.2	6.7	8.9	-0.2	22.5	-2.4	-	-	990	88	35	11 Oct	219	171	16	1	1	52	3	2	13	64	51	51	4.14	107	-
Central																														
Arrochymore	9	9	30	12.0	4.7	8.3	-	28.0	-8.4	-	-	1549	-	48	29 Sep	214	177	-	4	-	-	-	6	55	133	-	-	3.61	-	-
Callander	9	9	107	-	-	-	-	28.2	-	-	-	1513	101	38	9 Feb	202	172	18	15	0	1	3	10	-	144	-	1	-	-	-
Earls Hill	21-9		335	9.4	3.4	6.4	-	26.8	-7.4	-	-	1619	-	46	6 Nov	224	178	42	-	5	1	8	42	85	125	117	39	3.83	-	-
Falkirk	9	9	3	12.1	(5.2)	(8.7)	-	27.2	-7.9	-	-	909	-	41	30 Oct	180	139	-	-	-	-	-	-	43	-	-	-	3.53	-	-
Grangemouth	9	9	4	(12.1)	-	-	-	28.5	-	-	-	(862)	-	41	30 Oct	188	143	-	-	-	-	-	8	-	-	-	-	-	-	-
Parkhead	9	9	107	12.2	4.7	8.5	-	29.2	-8.6	8.7	-	995	-	39	30 Oct	179	152	-	15	-	-	-	10	47	-	-	-	-	-	-
Stirling (Batterflats)	9	9	38	-	-	-	-	29.5	-	9.1	9.1	1045	-	39	30 Oct	195	137	20	18	1	3	6	13	-	134	-	1	4.01	-	-
Dumfries & Galloway																														
Bargrennan	9	9	110	12.1	4.0	8.1	-	29.1	-9.0	-	-	(1663)	(110)	59	30 Mar	226	182	27	11	1	9	12	19	69	142	-	2	-	-	-
Clatteringshaws	9	9	178	11.1	4.1	7.6	-	27.4	-9.6	-	-	2168	111	64	30 Oct	227	193	32	8	38	5	12	0	60	-	-	35	3.73	-	-
Dumfries	9	9	49	12.2	5.3	8.7	+0.2	29.0	-8.3	9.3	9.3	1115	106	93	30 Oct	192	154	15	-	0	6	9	10	43	120	-	3	4.28	120	-
Dundeugh	9	9	119	11.8	(3.5)	(7.7)	-	29.1	-12.2	8.4	-	1655	116	76	30 Oct	216	175	5	9	0	1	1	11	77	-	-	0	-	-	-
Eskdalemuir	21-9		242																											
Psychrometer				10.4	3.5	6.9	-	27.8	-13.0	8.5	8.6	1694	112	95	30 Oct	231	183	67	23	14	19	16	6	78	139	99	13	3.70	112	-
Screen				10.7	3.7	7.2	0.0	28.6	-13.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	-	-	-	-	-	-
Girdstingwood	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(4.47)	-	-
Glenlee	9	9	55	-	-	-	-	30.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glenlochar Barrage	9	9	47	12.1	4.9	8.5	-	28.7	-7.7	-	-	1317	107	64	30 Oct	205	169	5	1	2	2	7	9	54	-	-	22	-	-	-
Palnure	9	9	15	12.2	5.0	8.6	-	28.0	-7.4	-	-	1323	103	49	5 Oct	210	172	9	0	1	6	2	18	54	124	-	7	-	-	-
Penwhirn	9	9	166	10.8	4.3	7.5	-	25.5	-9.0	-	-	1570	109	62	30 Mar	222	188	-	-	-	-	-	7	52	97	-	-	4.29	-	-
Threave	9	9	73	12.1	4.9	8.5	-	29.2	-8.9	9.2	-	1309	105	67	30 Oct	200	160	25	6	13	4	13	7	53	139	-	9	-	-	-
2 ENGLAND E & NE																														
Northumberland																														
Boulmer	21-9		23	11.1	5.5	8.3	-	24.0	-9.0	8.7	8.8	610	-	20	10 Jun	168	115	33	5	2	29	4	4	38	91	69	4	4.03	-	-
Cockle Park	9	9	99	11.3	4.9	8.1	-	26.2	-9.0	8.3	-	644	-	19	6 Oct 21 Nov	173	119	17	16	1	13	3	6	39	124	-	9	(3.63)	-	-
Haydon Bridge	9	9	79	12.1	4.7	8.4	-	27.6	-15.7	9.0	9.2	686	92	28	13 Jan	200	135	19	16	0	0	0	11	56	-	-	1	-	-	-
Kielder Castle	9	9	201	(10.7)	(2.9)	(6.8)	(-0.1)	26.9	-14.3	-	-	1303	101	50	30 Oct	233	185	27	33	2	6	7	14	94	-	-	19	-	-	-
Lethamhill Farm	9	9	76	-	-	-	-	-	-12.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Redesdale	9	9	238	(10.3)	(3.2)	(6.7)	-	24.5	-12.3	(7.3)	-	853	-	31	6 Jun	210	156	-	24	-	-	-	23	(80)	-	-	-	3.67	-	-
Seahouses	21-9		11	11.2	6.1	8.7	-	24.0	-7.6	-	-	605	97	26	20 Nov	176	118	20	4	1	8	1	8	23	80	60	21	4.06	-	-
Stonehaugh	9	9	201	10.9	3.1	7.0	-	26.0	-13.9	-	-	(987)	-	33	6 Jun	(213)	(158)	25	27	0	6	5	23	89	154	-	0	-	-	-
Tyne & Wear																														
Chopwellwood	9	9	136	11.6	(4.9)	(8.3)	(-0.1)	26.0	-9.0	-	-	726	99	35	25 Jan	189	125	19	17	0	1	1	5	(36)	(98)	-	0	-	-	-
Newcastle Weather Centre (X)	21-9		75	11.8	6.5	9.1	-	26.0	-7.5	-	-	631	-	25	6 Jun	170	121	33	6	0	17	4	5	19	-	-	0	3.97	-	-
Tynemouth	21-9		29	11.0	6.8	8.9	-0.2	25.2	-6.2	-	-	548	86	21	14 Jan	177	105	19	4	6	1	5	7	17	50	-	20	-	-	-
Washington	9	9	27	-	-	-	-	-	-	-	-	598	-	26	14 Jan	(173)	(117)	-	-	-	-	-	-	-	-	-	-	-	-	-
Durham																														
Durham	9	9	102	11.8	5.0	8.4	-0.1	25.8	-9.8	9.0	9.2	593	91	24	14 Jan	179	119	-	7	-	-	-	23	42	102	-	-	3.37	93	S
Low Etherley	9	9	155	11.0	4.5	7.7	-	26.2	-10.3	-	-	625	-	21	13 Jan 11 Nov	178	118	57	25	4	7	6	31	57	131	-	14	-	-	-
Widdybank Fell	9	9	513	-	-	-	-	23.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 4 (continued)

District Region/County and Place	Height of barometer above msl (metres)	Hour of observation (GMT)	mean pressure: at MSL (mb)	mean pressure: difference from 1941-70 average	mean temperature and humidity: dry bulb (°C)	mean temperature and humidity: depression of wet bulb (°C)	mean temperature and humidity: vapour pressure (mb)	mean temperature and humidity: relative humidity (%)	cloud amount: mean (oktas)	cloud amount: number of observations: 0	1-2	3-5	6-7	8	sky obscured	visibility: number of observations: 0-39m	40-190m	200-390m	400-990m	1000-1900m	2000-3900m	4-9km	10-19km	20-39km	40km and over	wind speed and direction: number of observations: beaufort force: 8 or more	6-7	4-5	1-3	calm	speed (kt): 34 or more	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
3 EAST ANGLIA – cont																																									
Essex																																									
Shoeburyness	5	9	1014.5	– 1.2	10.4	1.3	10.9	83	5.9	1	56	60	158	86	4	0	4	1	1	7	32	55	106	122	37	0	3	170	190	2	54	35	21	24	53	81	56	39
		15	1014.0	–	12.3	2.2	11.1	75	5.9	8	43	57	176	81	0	0	0	1	2	3	16	60	85	123	75	0	8	193	163	1	32	33	51	26	50	77	56	39
		21	1014.5	–	9.8	1.1	10.8	86	5.1	21	84	45	119	96	0	0	1	0	1	7	15	66	84	138	53	0	6	132	223	4	45	36	29	34	54	84	53	26
Stansted	102	3	1013.9	–	7.3	0.5	9.8	92	5.5	35	52	35	96	130	17	0	11	11	13	16	45	94	98	66	11	0	1	85	259	20	57	27	23	35	42	89	42	30
		9	1014.4	– 1.1	9.3	1.2	10.3	85	6.0	9	41	51	155	99	10	1	4	8	8	15	24	64	80	122	39	0	1	148	209	7	55	35	25	28	49	79	52	35
		15	1013.7	–	11.9	2.5	10.3	72	5.9	6	40	62	172	82	3	0	2	1	2	4	17	54	61	147	77	0	5	179	177	4	49	29	33	28	46	66	66	44
		21	1014.4	–	8.7	1.0	10.1	87	5.3	19	72	55	113	102	4	0	1	3	7	10	28	98	80	116	22	0	5	90	257	13	44	40	22	45	56	72	50	23
4 MIDLAND COUNTIES																																								
West Yorkshire																																								
Huddersfield	235	3	1012.8	–	5.8	0.7	8.5	89	6.4	31	9	38	67	211	9	3	13	4	16	16	39	63	130	81	0	14	23	74	224	30	27	47	28	20	47	52	80	34
Oakes		9	1013.4	–	7.8	1.1	9.4	86	6.1	16	22	65	106	148	8	2	15	3	12	13	27	109	88	95	1	4	15	115	196	35	29	44	20	21	53	64	71	28
		15	1013.1	–	10.2	2.0	9.9	77	6.4	8	15	53	162	125	2	0	4	4	5	10	20	59	89	171	3	4	30	130	190	11	41	48	26	24	58	59	70	28
		21	1013.4	–	7.6	0.9	9.4	87	5.9	26	28	53	119	137	2	1	4	4	4	6	20	50	109	158	9	3	30	99	183	50	26	38	24	25	61	47	64	30
Wilsden	267	3	1013.1	–	6.0	0.6	8.8	91	5.6	27	55	63	44	151	25	1	15	6	3	11	20	80	223	6	0	1	16	127	182	39	31	37	23	31	34	64	94	12
		9	1013.4	–	7.2	1.1	9.0	86	5.9	12	32	77	84	134	26	0	16	5	15	24	16	66	158	65	0	0	20	150	173	22	33	50	35	28	36	55	79	27
		15	1012.9	–	9.5	2.0	9.2	76	6.1	5	32	75	93	143	17	0	7	8	11	12	16	69	148	94	0	1	17	174	162	11	20	42	52	23	47	45	103	22
		21	1013.5	–	7.2	0.9	9.1	87	5.7	10	63	61	67	148	16	1	5	8	4	11	20	79	214	23	0	0	18	117	214	16	23	46	34	40	42	54	92	18
South Yorkshire																																								
Finningley	15	3	1012.9	–	7.0	0.7	9.4	90	5.5	26	51	58	100	124	6	0	6	4	11	12	41	87	68	93	43	1	4	77	276	7	54	15	23	27	79	48	63	49
		9	1013.5	– 1.0	9.2	1.5	9.7	81	5.8	5	57	56	145	89	13	0	9	3	5	8	28	71	90	122	29	0	3	141	216	5	62	22	23	34	73	43	56	47
		15	1012.9	–	11.7	2.7	9.8	71	6.1	3	32	70	156	102	2	0	0	1	3	5	18	47	100	126	65	0	11	157	195	2	55	38	28	30	58	53	69	32
		21	1013.5	–	8.6	1.2	9.8	85	5.4	17	67	60	97	122	2	0	3	1	8	15	19	86	94	99	40	0	4	94	255	12	45	30	35	36	65	54	58	30
Nottinghamshire																																								
Watnall	119	3	1013.4	–	7.0	0.6	9.5	91	5.6	34	54	31	89	152	5	0	7	3	7	18	51	98	125	54	2	0	4	90	262	9	61	42	29	15	45	87	51	26
		9	1013.9	– 0.8	8.7	1.3	9.7	84	5.9	5	54	49	135	111	11	0	10	6	8	13	31	115	98	75	9	0	1	134	225	5	54	43	36	14	56	82	53	22
		15	1013.2	–	11.3	2.4	10.0	73	6.1	4	40	49	160	108	4	0	3	0	5	11	22	83	85	133	23	0	2	163	198	2	35	52	35	14	55	84	57	31
		21	1013.8	–	8.5	1.1	9.8	85	5.7	22	53	46	104	138	2	1	1	1	7	10	43	111	132	58	1	0	2	96	257	10	43	56	32	22	56	73	55	18
Salop																																								
Shawbury	76	3	1013.3	–	7.1	0.7	9.5	91	5.6	20	49	66	86	141	3	0	3	1	11	19	43	68	77	139	4	0	6	63	282	14	53	15	44	30	62	63	64	20
		9	1013.7	– 1.1	9.1	1.3	10.0	84	6.0	7	38	62	149	105	4	0	2	5	9	14	31	75	77	125	27	0	1	110	251	3	47	29	44	41	65	45	60	31
		15	1013.0	–	11.7	2.3	10.5	75	6.2	4	21	68	170	102	0	0	0	1	3	7	17	67	75	151	44	0	15	149	199	2	45	31	48	23	69	39	74	34
		21	1013.6	–	8.8	1.1	10.0	85	5.7	10	57	62	107	127	2	0	2	0	6	12	31	66	97	139	12	0	5	84	269	7	50	28	54	37	54	57	50	28
West Midlands																																								
Edgbaston	165	9	1014.1	– 1.0	8.3	1.4	9.3	82	6.3	7	26	49	166	103	14	0	6	7	15	10	27	119	118	57	6	0	0	93	262	10	48	42	26	24	83	43	55	34
		15	1013.4	–	11.3	2.8	9.2	68	6.5	1	26	44	187	107	0	0	0	1	4	5	15	84	127	110	19	0	3	122	233	7	56	43	27	25	65	45	68	29
		21	1014.0	–	9.2	1.7	9.4	79	5.7	18	51	59	115	119	3	0	1	1	8	5	17	93	158	77	5	0	2	75	271	17	48	44	29	30	60	48	63	26
Elmdon	100	3	1013.7	–	7.0	0.8	9.2	89	5.5	22	67	46	101	123	6	1	3	3	8	10	36	83	129	78	14	0	3	93	244	25	46	31	17	42	69	60	39	36
		9	1014.2	– 0.9	8.8	1.4	9.6	82	6.1	5	46	46	157	100	11	0	5	5	4	12	22	85	161	65	6	0	1	137	220	7	37	47	25	43	62	62	37	45
		15	1013.4	–	11.7	2.7	9.6	69	6.2	0	32	57	178	98	0	0	0	0	1	3	11	68	137	121	24	0	13	169	183	0	31	48	31	28	67	64	51	45
		21	1014.1	–	8.7	1.3	9.6	82	5.4	10	77	58	106	110	4	0	2	1	3	9	27	75	151	87	10	1	1	88	260	15	32	54	21	49	54	65	36	39
Hereford & Worcester																																								
Pershore			–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
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Gloucester																																								
Innsworth	24	3	1013.7	–	7.9	0.7	9.9	89	5.2	37	53	57	92	125	1	0	3	2	4	2	21	99	104	110	20	0	2	53	263	47	54	30	23	21	104	51	23	12
		9	1014.3	–	9.6	1.3	10.4	83	6.0	6	50	43	161	105	0	0	1	0	5	8	27	114	100	70	40	0	0	104	246	15	59	42	24	20	96	50	37	22
		15	1013.5	–	12.5	2.5	10.7	72	6.2	2	29	60	184	89	1	0	0	1	0	2	15	79	105	106	57	0	1	142	216	6	38	56	26	23	76	74	41	25
		21	1014.1	–	9.7	1.3	10.5	84	5.3	21	65	55	119	105	0	0	1	1	2	6	14	99	119	99	24	0	1	62	268	34	40	41	30	29	99	58	23	11
Oxfordshire																																								
Benson	74	3	1014.2	–	7.7	0.8	9.7	89	5.4	33	61	40	95	133	3	0	2	2	5	11	30	83	93	112	27	0	4	88	213	60	54	21	23	28	81	50	31	17
		9	1014.7	–	9.4	1.4	10.1	83	6.1	5	41	42	175	100	2	0	3	1	5	10	25	78	88	98	57	0	2	135	205	23	66	31	24	28	81	47	41	24
		15	1013.9	–	12.4	2.8	10.3	70	6.2	3	29	52	181	100	0	0	0	0	0	4	19	48	74	132	88	0	6	168	181	10	54	39	25	22	69	65	51	30
		21	1014.6	–	9.3	1.3	10.2	84	5.3	17	74	49	115	109	1	0	1	1	1	6	22	65	103	116	50	0	6	87	230	42	52	37	32	32	72	54	32	12
Brize Norton	92	3	1014.1	–	7.3	0.7	9.5	89	5.3	52	45	42	86	132	8	0	8	4	4	10	35	89	79	112	24	1	3	85	246	30	43	52	38	11	34	72	68	17
		9	1014.6	–	9.0	1.4	9.8	82	5.9	8	49	42	153	106	7	0	8	1	7	10	22	75	89	104	49	0	3	154	198	10	38	56	45	32	29	82	50	23
		15	1013.8	–	12.0	2.8	9.8	69	6.1	3	36	62	164	100	0	0	0	0	0	2	17	43	82	153	68	0	9	191	164	1	34	54	37	16	47	80	61	35
		21	1014.5	–	9.0	1.3	9.9	83	5.0	38	68	54	95	110	0	0	0	1	0	3	2	26	72	85	144	32	0	4	101	249	11	35	61	37	21	37	88	46	29
5 ENGLAND SE & CENT. S.																																								
Greater London																																								
Heathrow	26	3	1014.3	–	8.4	0.8	10.2	89	5.2	38	63	48	93	120	3	0	5	4	5	6	31	110	99	102	3	0	1	72	283	9	60	31	27	25	59	65	57	32
		9	1014.8	– 0.9	10.1	1.5	10.5	82	5.7	4	60	53	147	96	5	0	5	0	6	6	30	87	112	103	16	0	0	107	254	4	57	35	37	23	65	56	52	36
		15	1014.1	–	13.0	2.9	10.5	69	5.9	3	34	78	170	79	1	0	1	0	0	1	15	61	100	147	40	0	3	161	200	1	44	37	33	16	78	55	67	34
		21	1014.7	–	10.3	1.5	10.5	82	5.1	26	74	52	120	92	1	0	1	0	0	5	31	92	130	100	6	0	4	80	277	4	54	30	41	28	69	71	46	22
Kew	10	3	1014.3	–	8.1	1.2	9.5	85	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	1014.8	– 0.9	10.1	2.0	9.9	77	5.8	6	60	49	147	99	4	0	5	1	4	8	23	79	120	106	19	0	0	89	260	16	46	44	38	14	64	79	35	29
		15	1014.2	–	12.7	3.5	9.8	65	6.0	3	42	62	162	95	1	0	1	0	0	2	14	50	110	132	56	0	0	126	234	5	39	42	34	17	70	80	46	32
		21	1014.8	–	9.9	1.9	9.8	78	5.1	30	75	44	121	94	1	0	3	0	3	3	19	78	110	143	6	0	3	67	265	30	33	45	36	22	66	85	34	14
London Weather Centre (X)	24	3	1014.0	–	9.4	1.4	10.0	82	5.2	42	57	41	110	113	2	0	0	2	4	5	25	87	115	127	0	0	2	119	239	5	60	45	17	19	52	87	61	19
		9	1014.6	–	10.6	2.0	9.9	75	5.9	10	45	49	156	103	2	0	1	1	1	8	27	75	147	95	10	0	1	151	209	4	61	46	23	17	53	79	56	26
		15	1013.9	–	13.2	3.4	9.8	64	6.0	6	36	59	169	95	0	0	0	0	0	5	10	57	106	151	36	0	9	187	165	4	55	41	22	17	63	80	60	23
		21	1014.6	–	11.0	2.1	10.1	75	5.1	43	54	40	131	96	1	0	0	0	1	2	19	65	116	158	4	0	7	133	220	5	40	53	27	25	60	79	48	28
Wiltshire																																								
Boscombe Down	128	3	1014.2	–	7.1	0.6	9.5	91	5.1	48	56	50	95	108	8	0	6	5	10	4	30	79	94	115	22	0	6	104	235	20	42	28	40	30	62	42	66	35
		9	1014.7	– 1.2	9.1	1.2	10.1	85	5.8	7	52	58	151	93	4	0	7	9	5	6	18	82	82	93	63	0	0	155	205	5	49	39	46	26	65	47	53	35
		15	1013.9	–	12.0	2.5	10.2	72	6.1	6	23	70	173	92	1	0	1	0	1	2	8	39	88	140	86	0	13	187	164	1	48	35	34	25	60	66	67	29
		21	1014.7	–	8.8	1.1	10.0	85	5.4	20	65	54	108	117	1	0	1	3	5	5	17	75	98	127	34	1	5	101	248	10	42	37	38	34	58	61	58	27
Lyneham	149	3	1014.2	–	7.2	0.7	9.5	90	5.4	36	59	37	96	136	1	0	6	1	15	20	24	85	90	109	15	1	5	105	247	7	47	57	20	24	72	79	44	15
		9	1014.7	– 1.1	8.7	1.1	9.9	85	6.1	3	51	39	150	118	4	0	5	4	8	17	20	94	84	100	33	1	3	163	196	3	42	63	30	23	64	81	36	23
		15	1013.9	–	11.6	2.4	10.2	73	6.2	2	37	46	178	102	0	0	0	0	1	8	10	53	96	127	70	0	9	192	161	3	37	51	25	28	59	69	65	28
		21	1014.6	–	8.7	1.2	9.9	84	5.4	13	81	41	111	119	0	0	1	1	4	11	24	78	89	125	32	0	5	114	240	6	37	55	26	31	66	78	52	14
Upavon	183	9	1014.7	–	8.7	0.9	10.3	88	6.0	8	47	44	147	108	11	0	10	9	6	5	30	89	81	109	26	0	2	130	216	17	40	51	28	34	58	51	56	30
		15	1013.9	–	11.7	2.1	10.8	76	6.3	5	24	57	174	104	1	0	1	2	3	3	5	53	106	121	71	0	7	183	165	10	40	53	22	28	49	61	70	32
		21	1014.7	–	8.5	0.8	10.3	89	5.3	30	63	46	108	113	5	0	3	5	4	7	20	66	107	136	17	0	7	93	236	29	36	51	21	34	50	58	56	30

Table 4 (continued)

District Region/County and Place	Height of barometer above msl (metres)	Hour of observation (GMT)	mean pressure: at MSL (mb)	mean pressure: difference from 1941-70 average	mean temperature and humidity: dry bulb (°C)	mean temperature and humidity: depression of wet bulb (°C)	mean temperature and humidity: vapour pressure (mb)	mean temperature and humidity: relative humidity (%)	cloud amount: mean	cloud amount: oktas: 0	1-2	3-5	6-7	8	sky obscured	visibility: 0-39m	40-190m	200-390m	400-990m	1000-1900m	2000-3900m	4-9km	10-19km	20-39km	40km and over	wind speed and direction: beaufort force: 8 or more	6-7	4-5	1-3	calm	speed (kt): 34 or more	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
										number of observations																																	
5 ENGLAND SE & CENT. S – cont.																																										
Kent																																										
Dungeness	7	3	1014.2	–	–	–	–	–	4.9	54	62	58	61	121	9	1	3	1	9	2	6	58	84	199	2	4	32	165	153	11	50	29	16	17	47	51	106	38
		9	1014.9	–	10.7	1.3	11.2	84	6.0	5	35	75	141	103	6	0	1	1	10	5	12	78	131	124	3	2	33	210	113	7	45	41	20	22	52	72	75	31
		15	1014.5	–	–	–	–	–	5.8	8	39	77	143	98	0	0	0	0	3	2	2	77	123	153	5	1	40	223	94	7	27	43	41	23	43	86	73	22
		21	1014.8	–	–	–	–	–	5.3	24	55	78	87	119	2	0	0	0	3	4	5	57	109	183	4	3	36	191	127	8	34	47	30	26	54	51	96	19
Manston	45	3	1014.1	–	8.5	0.8	10.3	89	5.2	31	59	59	103	110	3	0	3	3	3	13	25	67	101	129	21	1	15	139	207	3	52	30	21	25	67	102	40	25
		9	1014.7	–	10.3	1.3	10.8	84	5.9	2	51	56	163	88	5	0	2	3	2	6	30	84	110	92	36	0	14	189	161	1	50	30	21	28	70	74	53	38
		15	1014.3	–	12.0	2.2	10.8	75	5.6	4	64	60	166	70	1	0	0	0	1	6	18	82	93	106	59	0	25	215	124	1	51	49	13	28	61	82	45	35
		21	1014.8	–	9.3	1.0	10.5	87	5.4	20	65	56	115	109	0	0	0	0	3	9	23	83	95	128	24	1	14	162	187	1	48	3	30	36	70	83	38	22
Hampshire																																										
Southampton	9	3	1014.3	–	9.0	1.0	10.4	87	4.8	62	53	48	98	102	2	0	2	1	5	6	20	66	118	141	6	0	1	40	307	17	39	55	27	11	38	45	92	41
Weather Centre (X)		9	1014.9	–	10.6	1.7	10.5	80	5.7	8	62	40	151	101	3	0	2	3	4	3	29	69	115	127	13	0	0	69	286	10	40	56	30	18	45	56	75	35
		15	1014.3	–	13.2	2.9	10.6	69	6.2	4	30	62	159	109	1	0	0	0	1	1	11	51	116	169	16	0	0	105	257	3	28	39	23	35	52	67	81	37
		21	1014.8	–	10.7	1.6	10.7	81	5.2	24	70	55	110	105	1	0	0	2	0	3	9	87	108	151	5	0	0	52	309	4	34	45	31	21	47	49	110	24
West Sussex																																										
Gatwick	60	3	1014.4	–	7.5	0.5	10.0	93	5.4	41	47	47	100	118	12	1	10	7	19	17	46	115	96	50	4	1	1	74	234	55	44	37	27	7	42	91	35	27
		9	1014.9	1.0	9.8	1.3	10.5	84	6.0	3	39	61	153	101	8	0	4	4	6	7	37	91	103	87	26	0	2	121	232	10	44	46	46	11	49	77	49	33
		15	1014.3	–	12.5	2.6	10.5	72	5.9	5	35	72	159	93	1	0	0	0	2	8	13	75	93	118	56	0	8	171	183	3	35	41	33	21	49	89	53	41
		21	1014.9	–	9.2	1.0	10.5	87	5.3	18	75	52	110	109	1	0	0	3	4	16	33	97	114	86	12	0	5	85	254	21	29	47	33	20	52	97	46	20
East Sussex																																										
Herstmonceux	28	3	1014.9	–	8.0	0.5	10.3	93	5.0	35	70	58	78	122	2	0	4	5	10	15	28	94	125	81	3	2	13	76	209	65	80	23	16	8	51	56	54	12
		9	1015.4	–	10.2	1.2	11.0	86	5.7	4	54	67	141	96	3	0	1	4	5	13	24	61	107	119	31	3	20	112	206	24	70	40	20	13	59	50	71	18
		15	1015.0	–	12.1	2.0	11.3	78	5.8	3	48	69	156	89	0	0	0	1	1	1	11	63	105	120	63	0	39	134	185	7	51	34	30	23	67	82	54	17
		21	1015.5	–	9.2	0.8	10.8	89	5.1	29	70	58	102	105	1	0	1	2	8	3	31	69	114	126	11	4	17	76	217	51	73	33	23	15	50	55	57	8
7A ENGLAND NW & I.O.M.																																										
Cumbria																																										
Carlisle	28	3	1012.0	–	7.0	0.8	9.3	89	5.6	22	54	48	122	117	2	0	1	2	2	2	13	64	131	140	10	0	3	81	263	18	15	37	77	32	47	56	71	12
		9	1012.4	1.2	8.7	1.3	9.7	83	5.9	4	47	56	177	79	2	0	0	3	1	1	7	39	112	150	52	0	3	110	247	5	19	31	75	40	37	51	84	23
		15	1011.9	–	11.5	2.4	10.1	72	5.9	4	33	73	174	80	1	0	1	1	2	1	9	31	95	129	96	0	3	157	199	6	17	22	68	28	36	51	106	31
		21	1012.3	–	8.5	1.2	9.7	84	5.7	9	56	62	144	92	2	0	2	0	2	2	10	65	114	132	38	0	3	87	268	7	9	32	81	33	43	64	78	18
Lancashire																																										
Squires Gate	11	3	1012.6	–	7.7	0.7	9.9	91	5.7	20	50	48	117	125	5	0	3	3	3	4	32	77	101	120	22	0	18	139	203	5	30	33	81	52	40	33	66	25
		9	1013.1	1.0	9.5	1.3	10.4	84	5.9	10	41	61	170	83	0	0	0	1	3	9	24	63	117	124	24	0	20	177	167	1	24	25	76	54	45	40	61	39
		15	1012.6	–	11.5	1.9	10.9	78	5.8	5	56	50	168	85	1	0	1	0	2	4	19	56	95	140	48	0	18	213	132	2	22	21	55	39	44	46	79	57
		21	1013.0	–	9.1	1.0	10.4	86	5.7	16	53	59	136	100	1	0	0	0	2	5	29	71	101	141	16	1	22	158	179	5	26	36	64	53	30	53	66	32
Merseyside																																										
Speke			–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
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Greater Manchester																																										
Manchester	42	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Weather Centre (X)		9	1013.9	–	9.5	2.0	9.2	75	5.9	6	49	51	155	104	0	0	0	2	1	2	14	100	155	83	8	0	2	80	279	4	32	46	50	28	84	56	36	29
		15	1013.3	–	11.9	3.1	9.2	65	6.2	5	32	55	177	96	0	0	0	0	3	4	8	68	150	112	20	0	2	105	256	2	33	51	35	20	70	60	66	28
		21	1013.8	–	9.9	1.9	9.5	76	5.3	14	72	59	133	87	0	0	0	1	2	3	20	68	174	92	5	0	3	56	300	6	37	50	49	33	61	50	53	26
Ringway	84	3	1013.2	–	7.7	1.1	9.3	85	5.5	24	63	47	104	121	6	0	5	2	3	5	19	106	72	144	9	0	9	106	242	8	23	38	47	24	118	43	40	24
		9	1013.7	0.7	9.2	1.7	9.4	78	5.8	5	57	51	158	94	0	0	0	0	5	5	28	88	134	102	3	0	3	158	202	2	22	46	40	29	103	42	41	40
		15	1013.0	–	11.7	2.9	9.5	68	5.9	4	46	55	170	89	1	0	0	1	1	7	17	71	119	117	32	0	9	193	161	2	21	38	39	20	87	48	70	40
		21	1013.6	–	9.3	1.7	9.6	79	5.4	16	67	51	130	101	0	0	1	0	3	2	26	96	113	120	4	0	7	121	231	6	22	35	55	35	80	55	50	27
Isle of Man																																										
Point of Ayre	9	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	1012.3	–	11.3	1.9	10.7	78	5.8	6	29	106	105	118	1	0	0	0	2	2	7	23	64	155	112	3	59	182	115	6	24	47	21	47	50	45	82	43
		21	1012.5	–	9.4	1.1	10.5	86	5.5	14	40	102	65	144	0	0	0	0	0	1	3	22	72	101	166	5	64	166	112	18	23	33	34	40	53	60	68	36
Ronaldsway	21	3	1012.0	–	8.3	1.0	9.7	86	5.6	11	67	51	120	110	6	0	1	4	1	2	11	45	77	137	87	1	42	170	137	15	59	46	36	22	40	47	72	28
		9	1012.6	1.0	9.5	1.4	10.0	82	6.0	3	49	49	169	93	2	0	0	2	0	8	21	51	89	103	91	0	51	195	114	5	37	31	77	23	39	53	70	30
		15	1012.2	–	10.9	2.0	10.2	76	5.8	3	49	65	152	94	2	0	0	1	1	4	21	48	90	106	94	2	45	202	115	1	24	27	69	28	65	62	58	31
		21	1012.4	–	9.2	1.3	10.0	83	5.7	4	69	55	111	125	1	0	0	1	0	0	19	59	85	118	83	1	51	154	137	22	51	33	40	26	43	46	70	34
7B WALES N																																										
Gwynedd																																										
Bardsey Island	19	3	1012.9	–	9.9	0.6	11.4	91	5.3	38	42	77	58	145	5	1	2	1	2	1	0	38	269	50	1	18	65	126	132	24	75	23	29	29	54	47	63	21
		9	1013.3	–	10.4	0.8	11.6	89	6.1	4	16	97	124	117	7	0	4	4	2	0	0	32	218	90	15	15	68	140	134	8	67	19	38	29	57	48	67	32
		15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		21	1013.3	–	10.4	0.7	11.7	90	5.8	23	24	94	63	156	5	1	1	3	0	0	1	27	248	75	9	13	63	124	144	21	79	21	20	28	52	65	50	29
Valley	11	3	1012.6	–	9.0	1.1	10.1	85	5.5	25	55	51	111	122	1	0	0	0	4	5	17	58	113	147	21	14	53	143	140	15	40	56	39	21	64	55	51	24
		9	1013.1	0.9	10.4	1.7	10.3	79	5.9	4	50	55	158	98	0	0	0	1	2	6	15	53	81	157	50	3	71	174	114	3	34	51	43	20	67	61	49	37
		15	1012.7	–	11.9	2.3	10.5	73	5.7	4	48	71	158	84	0	0	0	0	1	1	12	41	78	154	78	9	66	191	99	0	32	56	24	14	74	86	44	35
		21	1013.0	–	9.8	1.3	10.3	83	5.6	10	61	55	116	111	2	0	0	0	6	2	8	61	96	160	32	8	72	131	150	4	38	52	45	30	62	61	45	28
8A WALES S																																										
Dyfed																																										
Aberporth	134	3	1013.2	–	8.5	0.9	10.1	87	5.3	35	59	55	90	123	3	0	2	1	1	5	9	74	118	107	48	3	47	162	146	7	27	27	40	37	105	44	41	37
		9	1013.7	1.1	9.5	1.2	10.3	84	5.8	8	47	58	165	85	2	0	0	3	3	1	8	62	140	100	48	1	42	178	143	1	38	33	27	45	88	37	53	43
		15	1013.1	–	10.9	1.7	10.7	79	5.9	5	48	57	161	93	1	0	1	0	2	3	4	57	108	133	57	4	49	179	133	0	63	28	19	30	64	44	63	54
		21	1013.6	–	9.3	1.1	10.4	85	5.3	23	63	59	112	107	1	0	2	1	0	1	6	64	126	112	53	5	48	166	142	4	33	26	36	39	93	53	48	33
Brawdy	116	3	1013.4	–	8.3	0.8	10.0	89	5.5	32	43	69	92	128	1	0	9	4	6	11	16	73	108	127	11	0	21	163	175	6	34	43	43	50	40	59	51	39
		9	1013.8	–	9.7	1.2	10.5	85	6.1	5	33	60	156	110	1	0	10	3	5	4	18	73	118	105	29	0	28	187	148	2	45	38	39	54	46	55	53	33
		15	1013.3	–	11.1	1.8	10.5	78	6.1	3	32	71	155	104	0	0	4	4	10	2	10	68	83	127	57	1	32	229	103	0	73	35	11	39	49	69	59	30
		21	1013.8	–	9.1	0.9	10.4	88	5.5	12	59	63	118	113	0	0	6	4	4	8	14	70	111	126	22	1	26	160	171	7	45	52	22	43	37	59	63	37
Brynamman	–	9	–	–	9.2	1.3	9.9	83	5.9	4	58	47	114	137	5	4	3	0	0	22	34	82	152	68	0	0	0	35	266	64	14	52	16	47	24	45	76	27
		15	–	–	11.6	2.4	10.1	73	6.2	4	34	50	160	114	3	2	0	1	0	23	18	77	147	97	0	0	8	58	268	31	12	45	16	35	30	62	90	44
		21	–	–	8.9	1.2	9.9	85	5.7	20	62	38	109	131	5	2	2	0	1	11	36	155	77	80	1	0	4	33	219	109	10	43	17	36	27	29	65	29
Milford Haven C.B.	39	3	1013.4	–	9.5	0.7	11.0	90	4.8	85	28	56	65	130	1	0	1	0	2	1	4	110	166	79	2	1	26	136	176	26	47	49	32	29	29	65	49	39
		9	1013.8	1.3	10.5	1.1	11.3	86	5.7	18	34	90	102	118	3	0	1	2	2	2	9	126	139	83	1	0	24	164	155	22	45	36	41	43	29	60	48	41
		15	1013.4	–	12.2	1.7	11.7	81	5.7	11	32	94	117	108	3	1	1	2	0	0	3	125	148	85	0	0	26	183	149	7	57	15	24	38	39	86	64	35
		21	1013.7	–	10.4	1.0	11.4	88	5.0	50	37	87	72	117	2	0	1	1	0	0	2	109	179	73	0	1	23	137	185	19	70	34	27	27	29	59	62	38
West Glamorgan																																										
Mumbles Head	37	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	1014.3	–	10.4	1.3	10.9	84	6.0	7	47	62	120	127	2	0	1	1	1	5	13	138	68	105	33	10	59	157	126	13	44	40	50	35	43	41	81	18
		15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

Table 4 (continued)

District Region/County and Place	Height of barometer above msl (metres)	Hour of observation (GMT)	mean pressure		mean temperature and humidity				cloud amount							visibility										wind speed and direction								
										oktas															beaufort force								
																									speed (kt)								
			at MSL (mb)	difference from 1941-70 average	dry bulb (°C)	depression of wet bulb (°C)	vapour pressure (mb)	relative humidity (%)	mean	0	1-2	3-5	6-7	8	sky obscured	0-39m	40-190m	200-390m	400-990m	1000-1900m	2000-3900m	4-9km	10-19km	20-39km	40km and over	8 or more	6-7	4-5	1-3	calm	N	NE	E	SE	S	SW	W	NW
			number of observations																																
8A WALES S – cont																																			
Mid Glamorgan																																			
Cilfynydd	195	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
South Glamorgan																																			
Rhoose	69	3	1013.8	–	8.2	0.8	10.0	88	5.1	32	68	54	88	120	3	0	0	3	4	1	10	79	98	140	30	1	5	122	231	6	19	72	57	17	29	46	85	34
		9	1014.3	– 1.3	9.8	1.4	10.4	83	5.8	2	57	57	147	99	3	0	4	1	5	8	12	78	139	93	25	0	4	162	197	2	14	56	75	25	39	28	91	35
		15	1013.6	–	12.0	2.3	10.6	74	5.9	1	46	65	165	87	1	0	0	0	1	4	5	64	127	115	49	0	7	206	152	0	8	40	48	36	40	35	131	27
		21	1014.2	–	9.4	1.2	10.4	85	5.3	12	76	55	104	114	4	0	1	2	2	3	11	75	111	117	43	0	10	132	215	8	14	63	53	14	37	23	121	32
8B ENGLAND SW																																			
Avon																																			
Filton	61	3	1014.0	–	8.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	1014.5	– 1.1	9.7	1.4	10.3	83	5.9	3	49	55	151	106	1	0	1	1	3	6	39	78	106	111	20	0	2	139	217	7	21	76	43	23	37	52	85	21
		15	1013.8	–	12.3	2.5	10.6	73	6.1	5	35	56	178	91	0	0	0	0	0	2	17	57	111	121	57	0	7	180	176	2	27	59	37	20	36	37	121	26
		21	1014.4	–	9.6	1.3	10.3	83	5.4	26	57	55	128	99	0	0	0	1	1	6	31	90	97	124	15	1	1	103	249	11	19	59	43	28	39	49	99	18
Somerset																																			
Exton	–	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	–	–	8.1	0.8	10.0	90	6.2	3	35	74	87	121	45	0	31	5	11	5	32	124	49	89	19	0	3	82	265	15	68	33	48	15	76	26	66	18
		15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Yeovilton	23	3	1014.4	–	8.0	0.8	10.0	89	5.2	47	45	61	79	130	3	0	3	5	8	12	41	110	140	46	0	0	9	84	162	110	18	31	25	30	34	49	45	23
		9	1014.9	–	10.0	1.3	10.6	83	5.8	2	48	74	139	101	1	0	5	4	4	9	39	124	110	70	0	0	7	140	172	46	30	42	32	30	47	51	58	29
		15	1014.2	–	12.9	2.6	10.8	72	6.1	4	19	91	152	99	0	0	0	0	0	8	14	106	117	118	2	1	24	159	165	16	35	44	25	28	56	60	56	45
		21	1014.8	–	9.8	1.3	10.5	84	5.2	29	59	72	90	115	0	0	0	0	3	5	25	107	128	97	0	1	10	78	207	69	–	–	–	–	–	–	–	–
Dorset																																			
Hurn	11	3	1014.4	–	7.9	0.6	10.1	91	4.7	69	50	50	76	120	0	0	1	2	15	13	30	76	98	128	2	0	5	81	229	50	55	33	19	17	33	69	58	31
		9	1014.9	–	10.3	1.4	10.7	83	5.6	5	61	63	143	92	1	0	1	2	7	9	27	87	90	125	17	0	5	143	206	11	58	49	27	21	53	61	52	33
		15	1014.3	–	12.7	2.5	10.9	73	6.0	2	37	69	151	105	1	0	0	0	2	1	9	97	95	138	23	0	12	169	184	0	44	42	21	25	71	93	40	29
		21	1014.9	–	9.8	1.1	10.8	86	5.2	26	67	64	101	105	2	0	0	3	2	6	16	99	100	130	9	0	9	86	247	23	42	35	25	22	45	74	73	26
Portland Bill C.G.	54	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Devon																																			
Exeter	38	3	1014.2	–	8.3	0.7	10.3	91	5.2	41	56	48	105	108	7	0	6	8	6	3	17	61	107	121	36	1	6	85	247	26	39	57	28	37	67	26	49	36
		9	1014.6	– 1.3	10.2	1.2	10.9	85	5.9	3	60	39	168	94	1	0	3	5	2	2	12	83	100	90	68	0	8	134	214	9	52	43	14	47	74	23	52	51
		15	1014.0	–	12.9	2.3	11.4	75	6.2	1	36	44	195	88	1	0	1	1	0	3	4	52	105	99	100	1	20	207	134	3	32	41	7	72	65	30	80	35
		21	1014.7	–	9.9	1.1	10.9	86	5.2	20	83	49	99	113	1	0	2	0	3	1	6	76	113	94	70	0	11	82	254	18	36	34	20	49	74	34	63	37
Hartland Point	93	3	1013.6	–	9.7	0.9	10.8	87	5.1	31	64	73	68	122	7	1	7	0	2	0	4	13	124	112	102	5	70	178	95	17	44	33	57	22	34	45	88	25
		9	1014.0	–	10.3	1.1	11.0	85	6.1	5	25	80	150	96	9	1	5	1	4	3	3	50	135	89	74	9	71	166	105	14	34	54	40	22	30	40	95	36
		15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Mount Batten	28	3	1014.2	–	9.4	0.9	10.8	88	5.1	42	58	50	106	105	4	0	3	2	4	1	13	93	143	97	9	1	19	117	215	13	37	40	83	14	33	43	70	32
		9	1014.7	– 1.2	10.8	1.4	11.1	83	6.0	0	51	49	169	96	0	0	0	0	8	4	14	105	115	81	38	0	20	158	183	4	34	29	74	18	35	64	74	33
		15	1014.3	–	12.6	2.1	11.4	77	6.1	3	30	59	191	81	1	0	0	2	1	3	11	76	103	99	70	1	32	182	148	2	32	18	51	18	49	102	59	34
		21	1014.8	–	10.5	1.2	11.1	84	5.3	24	68	54	118	100	1	0	1	0	2	2	16	101	130	88	25	2	24	122	207	10	47	36	50	22	33	53	85	29
Prawle Point	–	3	–	–	–	–	–	–	4.8	73	30	75	57	123	7	4	2	3	2	4	6	69	125	148	2	22	94	151	77	21	40	35	59	10	22	30	123	25
		9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Cornwall																																			
Gwennap Head	70	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	1014.2	–	12.0	1.7	11.4	80	5.6	5	49	94	110	98	9	0	7	3	1	2	14	90	96	108	44	21	96	164	78	6	41	26	20	44	26	85	76	41
		21	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
St. Mawgan	107	3	1014.2	–	9.2	0.9	10.6	88	5.1	37	53	74	91	106	4	0	2	3	9	2	20	96	85	109	39	2	20	144	189	10	38	25	51	42	66	40	59	34
		9	1014.5	– 1.0	10.5	1.3	10.9	83	5.9	2	44	63	173	83	0	0	1	3	2	4	14	91	93	93	64	1	20	190	149	5	46	31	31	41	75	46	59	31
		15	1014.1	–	12.0	1.9	11.1	77	6.0	2	34	77	164	88	0	0	0	0	2	4	15	79	65	122	78	4	33	216	107	5	56	17	13	39	51	46	85	53
		21	1014.7	–	10.1	1.1	10.9	86	5.3	15	65	73	111	101	0	0	0	1	2	4	6	25	83	86	112	46	2	23	151	180	9	47	30	25	42	66	45	63	38
Scilly	61	3	1014.5	–	10.5	0.9	11.5	88	4.7	29	72	94	61	99	10	1	4	5	2	2	6	41	116	132	56	3	47	182	103	30	43	28	38	25	39	62	59	41
		9	1014.8	– 0.7	11.6	1.2	12.0	85	5.6	6	46	96	113	92	12	0	3	5	4	2	8	80	94	125	44	2	52	175	106	30	44	27	43	33	41	52	61	34
		15	1014.7	–	12.8	1.7	12.2	80	5.4	5	51	106	107	91	5	0	1	4	0	3	13	83	103	124	34	6	66	179	93	21	35	34	34	32	47	57	52	53
		21	1015.1	–	10.8	1.0	11.6	87	4.9	12	84	98	59	104	8	0	2	5	1	5	11	59	111	125	46	6	44	189	96	30	42	35	32	27	36	64	52	47
CHANNEL ISLANDS																																			
Guernsey Airport	105	3	1015.2	–	9.6	0.8	10.9	89	5.1	36	64	54	112	97	2	1	6	3	1	2	18	63	84	123	64	1	22	178	154	10	38	49	23	36	60	53	66	30
		9	1015.8	–	10.5	1.1	11.3	86	5.8	5	50	72	146	91	1	0	3	6	3	2	15	69	85	106	76	2	21	222	117	3	38	49	25	36	57	60	62	35
		15	1015.5	–	11.7	1.7	11.3	80	5.5	9	59	69	154	74	0	0	2	3	2	3	9	57	102	117	70	2	26	216	120	1	46	48	20	30	57	61	76	26
		21	1015.9	–	10.1	1.1	11.0	86	5.2	14	80	54	141	76	0	0	6	1	4	4	13	69	87	122	59	2	22	174	163	4	40	42	28	32	52	52	80	35
Jersey Airport	83	9	1015.9	–	10.8	1.3	11.3	85	5.7	7	49	72	138	99	0	0	5	0	4	5	11	75	64	158	43	0	18	208	136	3	26	46	34	46	57	57	65	31
		15	1015.5	–	12.2	1.9	11.4	78	5.4	6	63	83	129	83	1	0	2	2	2	2	2	67	67	175	46	1	18	212	133	1	46	40	29	39	55	34	96	25
NORTHERN IRELAND																																			
Londonderry																																			
Moneydig	35	9	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
		15	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Antrim																																			
Aldergrove	73	3	1011.8	–	7.2	0.9	9.2	87	5.4	19	64	63	107	111	1	0	0	1	4	7	25	69	78	128	53	0	7	126	216	16	33	30	50	45	86	36	40	29
		9	1012.1	– 1.1	8.8	1.4	9.6	82	5.9	4	41	64	174	81	1	0	3	1	1	6	17	67	97	130	43	0	5	159	195	6	37	34	45	37	73	56	52	25
		15	1011.6	–	11.0	2.4	9.7	73	6.0	0	36	71	177	81	0	0	0	1	1	2	8	45	89	130	89	0	9	192	161	3	30	32	44	47	57	56	56	40
		21	1012.0	–	8.6	1.3	9.5	83	5.5	10	61	64	140	86	4	0	2	1	1	2	11	77	65	154	52	0	5	138	218	4	44	28	46	57	73	45	38	30
Tyrone																																			
Carrigans	112	9	1011.9	–	8.5	1.1	10.0	86	5.9	4	48	67	133	108	5	0	2	4	3	4	7	116	120	82	27	0	1	86	225	53	39	13	27	69	52	35	36	41
		15	1011.4	–	11.3	2.2	10.4	76	5.9	1	21	109	132	102	0	0	0	0	0	4	2	93	113	100	53	0	3	127	220	15	45	11	34	62	60	44	53	41
		21	1011.9	–	8.4	1.0	9.9	87	5.5	21	52	75	83	134	0	0	0	1	1	1	3	91	168	85	15	0	4	77	244	40	47	20	28	64	50	34	39	43

Table 5 Number of days with maximum and minimum temperatures between given limits during 1977

Station	maximum °C								minimum °C							
	0.0 or less	0.1 to 5.0	5.1 to 10.0	10.1 to 15.0	15.1 to 20.0	20.1 to 25.0	25.1 to 30.0	above 30.0	-15.0 or less	-14.9 to -10.0	-9.9 to -5.0	-4.9 to 0.0	0.1 to 5.0	5.1 to 10.0	10.1 to 15.0	above 15.0
Lerwick (psychrometer)	0	65	159	126	14	1	0	0	0	0	0	37	145	167	16	0
Lerwick (screen)	0	65	156	127	16	1	0	0	0	0	0	39	144	166	16	0
Stornoway	0	32	147	134	44	8	0	0	0	0	2	31	129	153	50	0
Craibstone	1	61	114	111	66	12	0	0	0	0	4	52	151	126	32	0
Abbotsinch	5	34	100	106	88	24	8	0	0	0	15	35	119	128	63	5
Rothesay	1	33	126	95	87	16	7	0	0	0	0	28	120	150	66	1
Eskdalemuir (psychrometer)	6	68	115	87	69	18	2	0	0	3	15	57	152	100	38	0
Eskdalemuir (screen)	6	65	109	89	75	17	4	0	0	2	15	56	153	99	40	0
Boulmer	1	34	118	123	83	6	0	0	0	0	1	34	143	135	51	1
Hull	0	22	95	117	99	28	4	0	0	0	1	26	119	134	82	3
Gorleston	0	14	105	106	121	18	1	0	0	0	1	15	121	129	96	3
Cambridge (botanic gardens)	1	22	76	112	101	44	9	0	0	0	3	40	114	133	72	3
Edgbaston	1	45	89	113	88	23	6	0	0	0	0	30	118	128	85	4
Kew (psychrometer)	0	20	81	119	100	38	7	0	0	0	3	30	105	131	86	10
Kew (north-wall screen)	0	19	79	115	102	42	8	0	0	0	0	19	90	144	102	10
Southampton	0	7	82	119	103	48	6	0	0	0	0	24	85	139	107	10
Hastings	0	17	104	100	120	20	4	0	0	0	0	17	82	133	126	7
Stonyhurst	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Douglas	0	23	133	118	79	12	0	0	0	0	0	14	122	131	97	1
Valley	0	10	106	118	103	25	3	0	0	0	0	16	77	159	111	2
Rhoose	0	18	102	113	102	26	4	0	0	0	0	23	97	155	87	3
Falmouth	0	6	75	157	113	13	1	0	0	0	0	15	85	169	95	1
Aldergrove	1	32	108	106	92	23	3	0	0	0	6	35	131	122	68	3
Armagh	3	30	98	107	95	27	5	0	0	0	2	44	132	117	67	3

Table 6 Summary of autographic records of wind for 1977

District Region/County and Place		height of vane in metres			distribution of hourly mean values of wind speed								highest values						
					34 kt or more (gale force)	22-33 kt	11-21 kt	4-10 kt	less than 4 kt				hourly wind				gust		
		above MSL	above ground	effective height	number of days	number of hours					hours of no record	mean hourly wind speed (kt)	veer from N	speed kt	date	hour beginning	veer from N	speed kt	date	time
0 SCOTLAND N																				
Shetland	Lerwick	93	10	10	18	77	135	1282	3966	2800	627	8	13.5	190	41	31 Mar	03	190	61	31 Mar	0342
Orkney	Kirkwall Airport	41	15	10	15	44	124	1066	4137	2960	553	0	13.1	260	42	28 Sep	12	290	67	29 Dec	1812
Western Isles	Benbecula	16	10	10	17	59	150	1271	4542	2425	463	0	14.0	290	40	14 Nov	10	280	69	14 Nov	0948
	Stornoway	12	10	10	21	92	129	928	4193	3104	443	0	13.0	190	43	30 Oct	14	210	67	10 Nov	2342
Highland	Dalcross	19	10	10	1	1	66	341	3281	3670	1457	10	9.8	190	36	31 Mar	03	190	61	31 Mar	0318
	Dounreay	34	12	9	6	9	87	622	2918	3578	1514	119	10.2	140	36	21 Jan	10	290	56	5 Mar	1312
														290	36	5 Mar	12				
														300	36	29 Dec	18				
	Duirinish	38	20	17	Defective Record																
	Fort Augustus	58	16	16	0	0	11	15	1523	3909	3286	27	5.9	260	29	29 Aug	08	260	50	29 Aug	0818
	Wick	45	10	10	4	12	105	761	3898	3437	652	0	12.0	270	45	5 Mar	12	280	67	5 Mar	1242
1 SCOTLAND E																					
Grampian	Aberdeen Dyce Airport	68	10	10	4	10	54	271	3033	3870	1576	0	9.3	170	40	30 Oct	17	170	54	30 Oct	1754
																		320	54	24 Nov	0412
	Fraserburgh	29	13	11	25	187	121	1050	3445	3384	657	37	12.8	330	46	24 Nov	04	310	64	29 Dec	2118
	Kinloss	18	13	13	4	5	72	401	3376	3918	1060	0	10.2	330	36	24 Nov	01	300	60	30 Dec	0130
	Lossiemouth	17	10	10	6	18	88	541	3441	3618	1140	2	10.7	340	38	24 Nov	01	290	68	29 Dec	2212
														290	38	29 Dec	21				
Tayside	Bell Rock	39	40	38	64	307	230	2356	3755	1710	457	175	17.2	240	44	29 Sep	18	230	75	11 Nov	1930
	Mylnefield	40	10	10	0	0	5	14	1601	4021	3015	109	6.6	270	24	5 Mar	11	300	48	15 Nov	0230
	Tummel Bridge	161	16	16	0	0	2	2	920	4344	3447	47	5.5	270	22	3 Mar	12	220	47	11 Nov	0330
														260	22	14 Sep	15				
Fife	Leuchars	25	13	13	3	11	95	678	3602	3439	1030	0	11.2	260	35	5 Mar	13	250	53	4 Mar	1148
Lothian	Edinburgh Turnhouse Airport	43	13	10	1	2	62	298	3635	3604	1221	0	10.1	190	35	31 Mar	05	190	57	31 Mar	0500
																		250	57	30 Sep	0130
	Royal Observatory Blackford Hill	159	10	10	27	89	139	1109	4002	2835	587	138	13.5	190	48	31 Mar	05	190	72	31 Mar	0336
																		210	72	30 Oct	1812
	Forth Road Bridge	72		72	17	64	108	904	3341	2612	1213	626	11.9	270	42	4 Mar	13	260	58	3 Mar	1354
6 SCOTLAND W																					
Strathclyde	Abbotsinch Airport	16	10	10	0	0	38	126	2874	4184	1576	0	8.7	200	28	30 Oct	15	200	48	30 Oct	1306
																		290	48	14 Nov	1212
	Ardrossan	24	20		19	106	124	909	4283	2638	425	379	13.6	330	50	24 Nov	03	310	70	14 Nov	1118
	Dunstaffnage	13	10	10	2	4	67	421	3628	3558	1107	42	10.5	260	37	14 Nov	12	260	59	14 Nov	1318
	Greenock Port	51	49		7	27	84	482	3707	3281	1189	74	10.9	340	40	24 Nov	01	310	62	14 Nov	1154
	Inchterf	55	15	12	0	0	35	153	2811	3832	1787	177	8.6	210	29	11 Nov	03	250	53	14 Nov	1000
	Lowther Hill	754	27		130	1063	253	2310	3037	1655	396	299	19.6	320	68	29 Dec	23	250	91	14 Nov	0006
	Machrihanish	22	12	12	32	166	160	1340	4019	2644	591	0	14.0	290	45	14 Nov	12	300	78	14 Nov	1212
	Paisley	57	25	9	0	0	27	87	1879	4257	2307	230	7.3	200	33	30 Oct	15	200	57	30 Oct	1518
	Prestwick Airport	21	10	10	2	4	89	522	3839	3098	1297	0	10.8	310	36	14 Nov	12	310	64	14 Nov	1154
	Tiree	24	16	12	36	203	183	2041	4159	2037	320	0	16.0	330	47	19 Nov	22	330	68	19 Nov	2236
Dumfries and Galloway	Eskdalemuir	259	10	10	10	36	82	572	2805	3484	1863	0	9.7	290	43	15 Nov	00	280	43	29 Dec	20
	West Freugh	25	10	10	1	1	48	293	3240	3694	996	536	10.1	310	34	30 Dec	02	290	58	14 Nov	1124
2 ENGLAND E & NE																					
Northumberland	Blyth	19	10	10	7	19	96	691	3453	3531	651	415	11.6	090	36	14 Jan	00	300	59	12 Nov	0042
														290	36	5 Mar	14				
														360	36	21 Nov	20				
	Boulmer	33	10	10	2	3	76	409	3277	4124	947	0	10.2	060	35	14 Jan	00	260	60	30 Sep	0418
														260	35	30 Sep	04				
Tyne and Wear	South Shields	22	17	13	6	16	74	537	3368	3475	1152	212	10.4	010	40	21 Nov	20	290	52	5 Mar	1236
																		010	52	7 Apr	0448
Cleveland	South Gare	28	20	20	39	168	180	1658	4247	1158	522	206	15.2	100	47	13 Jan	23	240	73	11 Nov	1942
Durham	Durham	119	16	10	1	1	24	92	1800	3478	2744	645	6.7	290	34	5 Mar	14	230	60	11 Nov	1924
North Yorkshire	Leeming	42	10	10	1	1	52	252	3325	4084	1098	0	9.8	250	34	12 Nov	00	230	65	11 Nov	2106
	Linton-on-Ouse	23	9	10	2	2	42	188	2653	4567	1263	87	9.0	240	36	12 Nov	00	240	60	12 Nov	0012
	Silpho Moor	207	15	9	0	0	11	49	1594	4098	2999	20	6.4	–	26	31 Oct	04	–	63	24 Dec	0524
														–	26	11 Dec	02				
Lincolnshire	Binbrook	118	10	10	2	6	89	548	4317	3432	452	5	11.9	220	38	24 Dec	03	220	63	24 Dec	0306
	Coningsby	16	10	10	2	7	52	248	3490	4048	967	0	10.0	230	42	24 Dec	03	260	63	24 Dec	0518
	Cranwell	68	13	13	5	18	86	575	4391	3433	275	68	12.1	230	46	24 Dec	04	240	72	24 Dec	0436
	Scampton	68	10	10	2	6	50	238	3742	4172	406	196	10.6	230	39	24 Dec	03	260	59	24 Dec	0454
	Waddington	80	10	10	4	11	55	293	3857	4113	486	0	10.8	220	37	24 Dec	02	240	72	11 Nov	2048
3 EAST ANGLIA																					
Norfolk	Coltishall	27	10	10	2	5	41	206	3521	3851	1177	0	9.7	240	43	24 Dec	05	240	72	24 Dec	0518
	Gorleston	16	13	13	9	31	112	743	4313	2908	459	306	12.7	170	43	2 Nov	04	220	69	24 Dec	0542
	Marham	29	10	10	2	5	39	167	3714	3928	946	0	10.0	240	42	24 Dec	04	240	65	24 Dec	0430
Cambridgeshire	Wittering	87	10	10	3	11	52	317	4073	3687	672	0	11.0	240	45	24 Dec	03	230	76	24 Dec	0336
	Wyton	45	10	10	1	3	34	147	3470	4479	661	0	9.9	250	36	24 Dec	04	240	64	24 Dec	0424
Suffolk	Honington	60	13	13	1	3	30	143	3451	4257	906	0	9.7	230	38	24 Dec	04	230	61	24 Dec	0506
	Wattisham	105	17	10	4	12	63	371	4572	3502	286	17	11.9	240	42	24 Dec	05	220	65	24 Dec	0348
Bedfordshire	Bedford	94	13	9	1	5	45	214	3247	4674	613	7	10.0	230	40	24 Dec	03	240	62	24 Dec	0406
	Cardington	70	41	41	7	23	84	598	4203	3362	574	0	11.9	240	49	24 Dec	04	240	70	24 Dec	0400
Hertfordshire	Garston	94	15	10	0	0	3	7	868	6018	1811	56	6.2	250	27	24 Dec	04	250	51	24 Dec	0406
Essex	Shoeburyness	17	14	12	0	0	28	112	3583	4560	471	34	10.0	220	32	25 Jan	19	220	57	11 Nov	2142
																		230	57	24 Dec	0212
	Stansted	108	10	10	0	0	20	71	3185	4734	770	0	9.3	240	32	24 Dec	03	260	55	24 Dec	0448

Table 6 (continued)

District Region/County and Place		height of vane in metres			distribution of hourly mean values of wind speed								highest values						
					34 kt or more (gale force)		22-33 kt	11-21 kt	4-10 kt	less than 4 kt			hourly wind				gust		
		above MSL	above ground	effective height	number of days	number of hours	number of days	number of hours				hours of no record	mean hourly wind speed (kt)	veer from N	speed kt	date hour beginning	veer from N	speed kt	date time
4 MIDLAND COUNTIES																			
South Yorkshire	Finningley	19	10	10	0	0	24	131	2678	4548	1279	124	8.8	280	33	4 Mar 10	250	58	24 Dec 0430
														270	33	24 Dec 05			
	Sheffield University	146	29	15	2	2	25	130	2761	4247	1547	73	8.6	250	34	26 Jan 01	250	66	26 Jan 0212
														270	34	24 Dec 05	270	66	24 Dec 0454
Nottinghamshire	Watnall	133	16	10	0	0	17	62	2914	4921	860	3	9.0	210	32	24 Dec 02	210	60	24 Dec 0130
Staffordshire	Keele	215	15	10	0	0	9	29	1372	4680	2656	23	6.3	200	30	24 Dec 01	200	64	24 Dec 0124
Salop	Shawbury	84	12	10	1	1	40	160	2524	4618	1450	7	8.7	250	36	24 Dec 03	250	60	24 Dec 0306
West Midlands	Birmingham Edgbaston	196	36	22	0	0	15	40	2032	4758	1912	18	7.6	210	30	24 Dec 01	210	60	24 Dec 0118
	Elmdon Airport	104	10	10	0	0	27	108	2813	4653	1186	0	8.9	220	33	24 Dec 02	260	63	24 Dec 0418
Hereford & Worcs	Pershore	47	10	10	Defective Record														
Oxfordshire	Benson	60	10	10	1	1	24	121	3047	4034	1557	0	8.9	210	34	24 Dec 01	210	58	24 Dec 0124
	Brize Norton	91	13	10	1	2	30	133	3154	4371	1100	0	9.3	220	35	24 Dec 02	230	65	24 Dec 0248
	Oxford	113	50	22	Defective Record														
5 ENGLAND SE & CENTRAL S																			
Greater London	Heathrow Airport	34	10	10	0	0	15	59	2553	5060	1088	0	8.4	220	30	24 Dec 01	240	55	11 Nov 2206
	Kew	28	23	15	0	0	7	29	2400	4519	1812	0	7.7	220	30	24 Dec 01	220	66	24 Dec 0106
	London Weather Centre	93	70	38	1	1	23	94	3821	4436	408	0	10.3	210	37	24 Dec 01	210	67	24 Dec 0112
	Post Office Tower			174	24	108	195	2101	5143	1342	5	61	17.4		49	24 Dec 01	270	75	11 Nov 2100
Wiltshire	Boscombe Down	130	17	17	1	3	42	166	3571	4243	777	0	10.0	210	35	25 Jan 17	210	53	25 Jan 1718
	Larkhill	145	13	10	0	0	17	78	2810	4891	981	0	8.8	220	28	11 Nov 20	220	55	11 Nov 1900
	Lyneham	160	14	13	3	3	40	172	3433	4463	688	1	9.9	230	36	11 Nov 21	240	60	11 Nov 2054
	Porton	120	10	10	4	8	51	205	3216	3983	1347	1	9.5	210	37	25 Jan 17	210	58	25 Jan 1742
Kent	Dungeness	16	10	10	11	41	111	831	4990	2460	395	43	13.6	160	46	13 Jan 18	250	64	24 Dec 0400
	Isle of Grain	15	12	10	3	11	45	207	3282	3859	1011	390	9.8	220	39	24 Dec 02	230	63	24 Dec 0336
	Dover	27	21	18	Defective Record									250	57	24 Dec 04	240	74	11 Nov 2242
																	250	74	24 Dec 0430
	Manston	62	18	18	7	27	109	672	4524	3183	354	0	12.6	240	43	24 Dec 03	230	66	24 Dec 0306
Hampshire	Calshot	15	13	10	4	13	86	448	4145	3473	569	112	11.6	150	39	13 Jan 12	240	60	25 Jan 2036
	Farnborough	75	10	10	0	0	10	31	1990	4763	1906	70	7.4	220	30	25 Jan 17	220	57	25 Jan 1730
	Middle Wallop	94	10	10	1	1	38	160	3230	3738	1153	478	9.5	280	34	14 Nov 16	210	63	25 Jan 1718
West Sussex	Gatwick Airport	69	10	10	2	4	29	118	2705	4369	1564	0	8.6	230	36	24 Dec 03	240	59	25 Jan 2148
	Thorney Island	16	10	10	Defective Record														
7A ENGLAND NW & I.O.M.																			
Cumbria	Carlisle	41	13	9	0	0	27	98	2759	4414	1489	0	8.5	270	27	12 Nov 00	240	59	11 Nov 2112
														240	27	23 Dec 23			
	Great Dun Fell	857	10	10	148	1510	275	2936	3127	976	133	78	23.0	220	73	23 Dec 23	240	98	11 Nov 2030
	Moor House	595	13	12	Defective Record									260	40	24 Dec 05	230	65	11 Nov 2036
	Sellafield	25	12	11	1	1	42	203	2817	4345	1256	138	9.1		37	11 Nov 23		61	11 Nov 2254
Lancashire	Fleetwood	34	15	9	10	28	68	465	3457	3708	1077	25	10.7	290	42	14 Nov 17	260	72	11 Nov 2254
	Squires Gate Airport	22	12	11	4	13	68	519	4013	3720	495	0	11.4	250	42	11 Nov 23	310	64	14 Nov 2036
Merseyside	Aigburth	38	23	11	3	14	45	319	3028	4256	1143	0	9.6	160	38	11 Dec 01	280	61	14 Nov 1412
	Speke Airport	30	10	10	Defective Record														
Greater Manchester	Manchester Ringway Airport	80	10	10	1	1	40	195	3461	3947	1156	0	9.7	210	35	24 Dec 01	200	62	11 Dec 0230
	Weather Centre	82	45	17	1	1	22	76	2387	5190	1072	34	8.4	270	34	26 Jan 02	250	65	14 Nov 1400
Isle of Man	Point of Ayre	20	10	10	14	52	153	1294	4637	2426	343	8	14.3	290	42	14 Nov 13	300	63	14 Nov 1312
																	300	63	30 Dec 0348
	Ronaldsway	25	10	10	7	30	130	1139	4290	2822	479	0	13.3	270	40	11 Nov 22	290	63	14 Nov 1324
7B WALES N																			
Gwynedd	Valley	26	16	12	36	215	161	1514	3920	2614	497	0	14.7	240	52	11 Nov 19	250	67	24 Dec 0218
8A WALES																			
Dyfed	Aberporth	144	10	10	16	62	137	1098	4261	2821	518	0	13.4	300	46	14 Nov 18	300	70	14 Nov 1900
	Brawdy	121	10	10	5	13	94	603	4513	3131	500	0	12.2	240	39	11 Nov 19	220	66	23 Dec 2330
	Milford Haven	47	10	10	2	8	75	396	3931	3710	607	108	11.1	250	43	11 Nov 19	250	67	11 Nov 1954
West Glamorgan	Port Talbot	30	11	7	5	21	72	489	3314	3081	1775	80	9.8	250	42	11 Nov 20	320	58	23 Apr 1918
														240	42	24 Dec 01	240	58	24 Dec 0124
Mid Glamorgan	Cilfynydd	210	16	16	2	4	41	237	2709	4003	1657	150	8.9	230	46	24 Dec 01	230	81	24 Dec 0054
South Glamorgan	Rhoose Airport	74	10	10	1	3	40	176	3780	3825	976	0	10.1	240	40	24 Dec 01	240	60	24 Dec 0230
8B ENGLAND SW																			
Avon	Avonmouth	28	19	10	3	8	66	346	3580	3929	841	56	10.5	240	38	24 Dec 02	250	61	11 Nov 2206
Somerset	Yeovilton	22	12	10	1	3	49	236	2999	3847	1589	86	9.2	310	38	14 Nov 17	300	67	14 Nov 1648
Dorset	Hurn Airport	23	13	11	2	2	29	130	3112	4162	1354	0	9.0	210	34	24 Dec 01	230	62	11 Nov 2136
	Portland Bill CG	60	13	13	23	144	141	1189	4335	2410	437	245	14.2	270	48	11 Nov 21	260	72	11 Nov 1936
Devon	Mount Batten	64	13	13	9	24	76	543	3647	3429	1117	0	10.9	250	46	25 Jan 17	240	67	25 Jan 1700
Cornwall	Culdrose				7	17	97	578	4293	3284	588	0	11.8	220	47	25 Jan 17	220	72	25 Jan 1736
	Lizard	96	23	18	42	262	185	1728	4549	1903	206	112	16.3	250	56	25 Jan 18	250	78	25 Jan 1812
	St Mawgan	120	13	13	7	34	78	577	4266	3355	528	0	11.9	270	39	25 Jan 19	260	63	25 Jan 1900
	Scilly (St Marys)	70	20	17	30	174	154	1466	4364	1911	827	18	14.7	220	48	23 Dec 22	300	72	14 Nov 1436
CHANNEL ISLANDS																			
	Guernsey Airport	116	12	12	9	47	66	520	4779	3073	341	0	12.5	270	43	14 Nov 16	270	61	14 Nov 1830
	Jersey Airport	94	12	12	6	41	61	353	4686	3298	382	0	12.0	290	43	14 Nov 19	290	63	14 Nov 1906
NORTHERN IRELAND																			
Londonderry	Coleraine University	33	10	10	Defective Record														
Antrim	Aldergrove	80	10	10	0	0	28	156	3638	4035	931	0	9.9	160	32	10 Mar 11	290	55	14 Nov 1118
	Ballypatrick Forest	166	13	13	3	9	89	615	3967	2896	1138	135	11.5	130	37	21 Jan 04	280	65	14 Nov 0930
	Belfast Harbour	21	18	18	6	14	92	563	3435	2942	1327	479	10.7	170	36	10 Mar 14	300	65	14 Nov 1806
Down	Kilkeel	36	19	14	Defective Record														
	Orlock Head	51	16	12	35	221	186	1600	4188	2262	387	102	15.2	290	48	11 Nov 22	290	76	11 Nov 2206
Tyrone	Carrigans	129	10	10	0	0	10	46	1871	3913	2261	669	7.5	130	28	15 Mar 14	270	57	1 Apr 1730
														270	28	14 Nov 12			
Fermanagh	Castle Archdale Forest	79	13	13	0	0	13	55	2564	4256	1805	80	8.0	160	28	10 Mar 11	200	57	15 Mar 1742
														190	28	30 Oct 12	190	57	30 Oct 1218
														200	28	10 Nov 23			

Table 7 Number of hours with gusts exceeding 33 knots and 47 knots in each month of 1977

District / Region/County and Place		number of hours exceeding 33 knots													number of hours exceeding 47 knots												
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
0 SCOTLAND N																											
Shetland	Lerwick	-	48	128	108	20	3	1	69	128	95	170	258	-	11	0	25	10	0	0	0	2	14	17	22	49	150
Orkney	Kirkwall Airport	123	65	138	109	3	16	0	35	97	85	187	169	1027	9	1	25	13	0	0	0	1	15	7	27	27	125
Western Isles	Benbecula	130	54	196	149	27	34	18	44	129	-	-	139	-	5	1	46	16	0	0	0	1	4	22	57	19	171
	Stornoway	95	42	123	121	6	20	2	63	108	137	159	54	930	4	0	29	3	0	0	0	8	2	38	45	8	137
Highland	Dalcross	23	3	83	37	1	7	0	20	81	57	90	47	449	0	0	3	0	0	0	0	3	1	6	7	6	26
	Dounreay	82	26	99	105	4	1	0	4	28	55	-	124	-	3	0	9	4	0	0	0	0	0	1	-	5	-
	Duirinish	-	-	-	90	7	10	2	35		159	-	-	-	-	0	-	4	0	0	0	4	11	40	-	5	-
	Fort Augustus	10	1	17	11	1	3	0	8	11	19	14	6	101	0	0	0	0	0	0	0	1	0	1	0	0	2
	Wick	100	61	99	111	7	9	0	17	61	74	114	165	818	2	0	18	10	0	0	0	0	8	1	9	22	70
1 SCOTLAND E																											
Grampian	Aberdeen Dyce Airport	2	3	49	60	0	8	1	8	32	67	79	74	383	0	0	3	3	0	0	0	0	0	7	6	0	19
	Fraserburgh	90	71	134	165	10	24	6	12	70	-	225	140	-	2	4	27	29	0	0	0	0	2	-	56	42	-
	Kinloss	32	9	87	71	0	12	0	22	78	45	97	65	518	1	0	10	0	0	0	0	0	4	2	4	10	31
	Lossiemouth	56	48	102	83	1	10	0	20	58	62	128	95	663	0	0	6	1	0	0	0	0	4	3	12	18	44
Tayside	Bell Rock	172	102	203	130	18	51	8	35	154	148	326	207	1554	19	5	23	7	0	3	0	3	19	6	44	17	146
	Mylnefield	5	5	22	16	1	0	0	6	29	18	28	7	137	0	0	0	0	0	0	0	0	0	0	1	0	1
	Tummel Bridge	4	0	33	24	0	2	0	1	36	8	13	11	132	0	0	0	0	0	0	0	0	0	0	0	0	0
Fife	Leuchars	32	51	88	103	10	12	4	17	92	46	135	69	659	3	0	11	2	0	0	0	3	4	0	9	1	33
Lothian	Edinburgh Turnhouse Airport	20	23	118	85	9	8	15	12	99	58	119	34	600	0	2	14	1	0	0	0	0	2	3	9	1	32
	Royal Observatory, Blackford Hill	108	67	-	203	27	35	41	37	-	153	-	80	-	20	14	74	6	0	0	0	8	46	37	-	12	-
	Forth Road Bridge	-	37	114	-	20	11	18	14	127	77	170	48	-	0	1	23	3	0	0	0	0	10	3	11	3	54
6 SCOTLAND W																											
Strathclyde	Abbotsinch Airport	3	4	39	31	1	0	0	1	15	22	66	14	196	0	0	0	0	0	0	0	0	0	2	2	0	4
	Ardrossan	40	48	-	85	11	8	-	1	60	-	-	-	-	0	0	9	8	0	0	0	0	4	17	65	-	-
	Dunstaffnage	31	44	-	55	-	1	4	3	42	66	-	63	-	0	0	-	6	0	0	0	0	0	0	-	9	-
	Greenock Port	-	19	120	48	6	3	7	1	38	107	-	58	-	0	1	11	1	0	0	0	0	0	11	21	9	54
	Inchterf	16	25	34	36	2	5	4	4	34	29	83	-	-	0	0	0	0	0	0	0	0	0	0	4	-	-
	Lowther Hill	-	-	-	-	-	-	117	128	334	-	344	344	-	-	26	-	-	-	11	22	19	159	133	192	153	-
	Machrihanish	115	71	146	117	16	6	13	18	117	157	331	225	1332	12	2	29	14	0	0	0	0	9	35	106	33	240
	Paisley	11	10	87	47	5	2	5	7	39	65	-	34	-	0	0	4	1	0	0	0	0	0	7	7	6	25
	Prestwick Airport	15	17	79	62	11	11	9	10	72	98	235	80	699	0	0	5	0	0	0	0	0	0	8	33	8	54
	Tiree	172	52	192	151	26	35	12	30	157	194	346	278	1645	9	0	21	8	1	0	0	2	4	30	80	51	206
Dumfries and Galloway	Eskdalemuir	44	11	115	157	10	20	17	19	127	104	224	103	951	3	1	8	6	0	0	1	0	14	17	41	36	127
	West Freugh	-	7	-	-	1	2	0	6	6	-	111	61	-	0	0	0	0	0	0	0	0	0	-	7	3	-
2 ENGLAND E & NE																											
Northumberland	Blyth	-	22	-	-	-	28	12	17	85	-	182	-	-	-	0	-	-	1	0	0	0	12	0	21	-	-
	Boulmer	33	15	62	-	7	-	5	10	-	23	-	-	-	2	0	4	0	0	0	0	0	-	0	7	-	-
Tyne and Wear	South Shields	27	8	65	53	1	19	4	4	7	1	24	14	227	1	0	4	2	0	0	0	0	0	0	3	0	10
Cleveland	South Gare	-	71	172	211	26	44	32	38	120	116	-	156	-	15	4	20	34	1	0	0	0	12	12	-	20	-
Durham	Durham	-	7	-	-	3	-	-	4	29	24	107	-	-	-	1	-	2	0	0	0	0	0	0	6	1	-
North Yorkshire	Leeming	0	13	45	-	5	14	8	0	45	16	123	44	-	0	2	3	3	0	0	0	0	3	0	10	7	28
	Linton-on-Ouse	6	8	29	68	2	2	10	0	-	14	102	40	-	0	0	3	2	0	0	0	0	0	0	10	6	21
	Silpho Moor	33	21	114	91	0	5	12	4	65	55	130	120	650	0	1	2	2	0	0	0	0	0	0	1	16	22
Lincolnshire	Binbrook	31	30	82	-	13	15	11	18	48	26	66	36	-	3	0	3	2	0	0	0	0	0	2	5	6	21
	Coningsby	21	7	22	61	8	4	0	4	25	14	58	24	248	0	0	1	1	0	0	0	0	0	0	8	5	15
	Cranwell	22	27	64	103	17	6	5	5	-	-	-	64	-	2	0	0	6	0	0	0	0	0	1	12	8	29
	Scampton	12	3	-	54	7	0	0	0	14	15	57	25	-	0	0	0	3	0	0	0	0	0	0	8	6	17
	Waddington	28	20	47	85	16	2	0	6	19	16	64	33	336	3	0	0	11	0	0	0	0	0	0	10	6	30
3 EAST ANGLIA																											
Norfolk	Coltishall	21	26	34	57	9	1	1	0	13	15	94	46	317	1	1	0	1	0	0	0	0	0	0	7	7	17
	Gorleston	-	56	-	-	32	27	-	46	38	-	125	-	-	9	11	11	0	0	0	0	0	0	-	10	7	-
	Marham	14	10	25	26	7	1	0	0	9	11	64	27	194	1	0	0	0	0	0	0	0	0	0	3	4	8
Cambridgeshire	Wittering	20	28	57	65	24	4	2	0	2	12	133	58	405	0	0	2	4	0	0	0	0	0	0	22	9	37
	Wyton	13	11	16	39	9	4	0	0	2	13	55	22	184	0	0	0	2	0	0	0	0	0	0	4	6	12
Suffolk	Honington	15	12	26	32	6	1	0	0	7	8	67	34	208	2	0	0	0	0	0	0	0	0	0	5	7	14
	Wattisham	23	23	37	57	17	1	2	7	8	13	-	53	-	2	0	0	1	0	0	0	0	0	0	11	6	20
Bedfordshire	Bedford	12	8	17	29	5	2	1	2	3	13	72	18	182	0	0	0	1	0	0	0	0	0	0	6	7	14
	Cardington	24	63	-	73	-	10	6	10	33	25	126	42	-	6	0	-	2	0	0	0	0	0	1	14	9	-
Hertfordshire	Garston	11	5	6	-	1	1	0	0	0	1	30	15	-	2	0	0	0	0	0	0	0	0	0	4	3	9
Essex	Shoeburyness	28	14	24	11	12	3	0	3	0	10	66	21	192	4	0	0	0	0	0	0	0	0	0	2	5	11
	Stansted	16	13	12	15	2	0	0	0	1	11	53	23	146	1	0	0	1	0	0	0	0	0	0	3	7	12
4 MIDLAND COUNTIES																											
South Yorkshire	Finningley		2	31	41	0	0	0	0	1	8	51	35	-	1	0	1	3	0	0	0	0	0	0	2	4	11
	Sheffield University	12	35	55	109	-	8	6	9	37	49	147	69	-	4	0	16	12	0	0	0	0	1	3	26	13	75
Nottinghamshire	Watnall	17	16	40	31	15	2	1	0	16	20	53	25	236	1	0	1	1	0	0	0	0	0	0	5	7	15
Staffordshire	Keele	20	9	52	52	11	7	0	4	13	26	99	81	374	0	0	1	1	0	0	0	0	0	0	11	10	23
Salop	Shawbury	11	9	14	25	3	1	0	1	9	8	70	40	191	0	0	0	0	0	0	0	0	0	0	4	6	10
West Midlands	Birmingham Edgbaston	9	9	40	33	11	0	0	1	4	17	77	27	228	0	0	0	2	0	0	0	0	0	0	4	5	11
	Elmdon Airport	10	7	24	24	11	1	1	1	7	22	86	31	225	0	0	0	1	0	0	0	0	0	0	7	4	12
Hereford & Worcs	Pershore	21	19	38	26	19	-	-	-	-	-	-	-	-	0	0	0	1	0	-	-	-	-	-	-	-	-
Oxfordshire	Benson	19	21	37	18	12	1	0	1	0	11	44	25	189	2	0	1	0	0	0	0	0	0	0	1	2	7	13
	Brize Norton	9	9	6	17	10	4	0	8	11	18	100	35	227	0	0	0	0	0	0	0	0	0	0	6	8	14
	Oxford	26	62	-	-	-	6	-	11	-	-	-	-	-	8	2	2	1	0	0	0	0	0	1	-	-	-

Table 7 (continued)

District / Region/County and Place		number of hours exceeding 33 knots													number of hours exceeding 47 knots											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
5 ENGLAND SE & CENTRAL S																											
Greater London	Heathrow Airport	10	7	7	3	0	0	0	0	0	9	31	12	79	1	0	0	0	0	0	0	0	0	0	1	3	5
	Kew	16	22	30	12	10	3	0	5	2	15	75	27	217	7	0	0	0	0	0	0	0	0	0	4	6	17
	London Weather Centre	10	5	52	34	16	5	2	23	25	17	103	38	330	2	0	0	1	0	0	0	0	0	0	8	9	20
	Post Office Tower	57	-	131	106	73	18	27	2	43	56	-	102	-	12	8	2	3	0	0	0	0	0	4	37	13	79
Wiltshire	Boscombe Down	19	18	19	9	1	0	0	2	0	7	63	19	157	4	2	0	0	0	0	0	0	0	0	3	1	10
	Larkhill	12	15	27	11	5	0	2	3	0	11	72	25	183	6	0	0	0	0	0	0	0	0	0	6	3	15
	Lyneham	21	20	26	21	19	2	0	3	4	16	81	28	241	2	1	0	0	0	0	0	0	0	1	9	5	18
	Porton	31	23	32	15	7	1	0	6	0	10	80	24	229	8	3	0	0	0	0	0	0	0	2	7	5	25
Kent	Dungeness	-	100	62	59	58	28	22	16	37	51	219	88	-	-	5	2	0	0	0	0	0	0	2	33	7	-
	Isle of Grain	26	28	42	23	15	5	1	1	2	13	-	30	-	8	3	0	1	0	0	0	0	0	0	6	5	23
	Dover	-	-	-	95	164	-	-	-	-	-	-	-	-	-	15	13	4	0	-	-	-	-	7	-	14	-
	Manston	44	62	79	42	75	10	6	18	9	25	144	57	571	14	11	1	0	0	0	0	0	0	0	10	6	42
Hampshire	Calshot	-	-	62	14	-	10	1	26	3	22	-	48	-	-	6	0	0	-	0	0	0	0	2	8	2	-
	Farnborough	17	13	18	6	2	1	0	3	0	10	23	12	105	5	0	0	0	0	0	0	0	0	0	2	2	9
	Middle Wallop	23	28	52	32	5	0	3	5	0	15	96	-	-	7	6	0	0	0	0	0	1	0	1	9	5	29
West Sussex	Gatwick Airport	19	23	23	16	10	3	1	2	0	9	75	29	210	7	1	2	0	0	0	0	0	0	0	5	7	22
	Thorney Island	-	-	-	-	-	2	0	-	-	-	-	-	-	-	0	0	-	-	0	0	0	0	1	-	-	-
7A ENGLAND NW & I.O.M.																											
Cumbria	Carlisle	13	11	63	85	10	1	1	5	66	21	132	37	445	0	0	0	1	0	0	0	0	0	0	9	4	14
	Great Dun Fell	172	150	412	-	95	93	121	212	-	373	-	389	-	26	24	156	-	10	10	5	54	-	144	212	168	-
	Moor House	-	45	-	200	17	11	29	43	153	187	-	196	-	-	0	7	25	0	0	0	2	17	21	55	18	-
	Sellafield	5	4	11	12	0	-	0	2	17	27	87	-	-	0	0	0	0	0	0	0	0	0	0	8	-	-
Lancashire	Fleetwood	36	16	74	119	12	14	23	12	63	47	217	-	-	5	0	1	6	0	0	0	0	1	3	44	9	69
	Squires Gate Airport	13	4	13	35	3	1	10	8	48	34	187	49	405	1	0	0	2	0	0	0	0	0	0	23	4	30
Merseyside	Aigburth	8	2	28	61	4	1	9	0	18	26	106	54	317	0	0	1	3	0	0	0	0	1	0	18	6	29
	Speke Airport	15	3	27	41	1	1	3	3	-	-	-	-	-	1	0	0	2	0	0	0	0	-	-	-	-	-
Greater Manchester	Manchester Ringway Airport	20	9	43	29	11	3	1	6	23	35	83	59	322	1	0	0	2	0	0	0	0	0	0	13	11	27
	Weather Centre	19	10	-	51	11	1	7	7	35	32	-	45	-	3	0	0	3	0	0	0	0	0	0	-	6	-
Isle of Man	Point of Ayre	90	73	129	107	17	13	10	13	89	102	282	173	1098	8	0	7	5	0	0	0	1	0	10	43	19	93
	Ronaldsway	113	39	90	79	14	7	17	20	55	91	249	170	944	4	0	8	2	0	0	0	0	0	6	31	7	58
7B WALES N																											
Gwynedd	Valley	132	88	166	94	3	2	22	37	128	201	313	104	1290	11	4	29	3	0	0	0	0	13	39	79	16	194
8A WALES SOUTH																											
Dyfed	Aberporth	90	60	102	61	1	2	4	11	49	68	-	-	-	3	1	13	0	0	0	0	0	0	1	-	14	-
	Brawdy	68	46	64	21	0	14	0	10	16	59	172	115	585	3	0	8	0	0	0	0	0	0	3	16	7	37
	Milford Haven	102	85	89	35	1	3	3	15	45	73	206	65	722	9	2	6	0	0	0	0	0	0	6	18	6	47
West Glamorgan	Port Talbot	37	28	21	18	18	4	2	13	24	11	156	62	394	4	0	2	1	0	0	0	0	0	1	16	4	28
Mid Glamorgan	Cilfynydd	25	-	-	-	22	7	12	15	25	-	-	54	-	6	6	1	1	0	0	0	0	0	0	-	9	-
South Glamorgan	Rhoose Airport	15	21	20	21	2	3	1	1	16	12	108	22	242	0	0	0	0	0	0	0	0	0	0	13	3	16
8B ENGLAND SW																											
Avon	Avonmouth	14	30	47	21	14	2	3	2	26	23	-	36	-	0	0	1	1	0	0	0	0	0	4	12	4	22
Somerset	Yeovilton	57	28	-	23	16	6	4	5	2	-	-	38	-	9	1	1	0	0	0	0	0	0	4	10	9	34
Dorset	Hurn Airport	23	19	20	11	0	1	0	7	0	13	86	22	202	6	0	0	0	0	0	0	0	0	1	4	5	16
	Portland Bill CG	-	-	-	-	-	23	1	-	-	84	-	-	-	-	2	0	0	0	0	0	0	0	2	-	13	-
Devon	Mount Batten	108	72	69	21	9	1	13	8	4	37	161	43	546	25	4	4	0	0	0	0	0	0	5	17	5	60
Cornwall	Culdrose	115	90	84	49	3	19	7	15	12	32	151	44	621	24	10	13	0	0	0	0	0	0	2	12	5	66
	Lizard	-	-	170	63	23	28	-	40	-	79	-	202	-	-	-	31	0	0	0	0	1	0	8	82	24	-
	St Mawgan	121	98	54	3	0	0	0	3	6	22	143	63	513	15	2	8	0	0	0	0	0	0	1	11	8	45
	Scilly (St Marys)	182	181	194	74	50	25	15	20	46	128	364	251	1530	63	26	25	1	0	0	0	0	6	9	103	29	262
CHANNEL ISLANDS																											
	Guernsey Airport	95	43	33	18	9	2	1	1	3	10	197	74	486	18	1	1	0	0	0	0	0	0	1	43	0	64
	Jersey Airport	90	19	29	7	16	10	0	0	0	7	160	26	364	26	1	1	0	0	0	0	0	0	0	22	0	50
NORTHERN IRELAND																											
Londonderry	Coleraine University	17	0	16	-	0	0	1	4	21	-	-	-	-	0	0	0	-	0	0	0	0	0	-	-	-	-
Antrim	Aldergrove	27	1	66	31	4	0	1	2	3	22	58	16	231	3	0	8	0	0	0	0	0	0	1	6	0	18
	Ballypatrick Forest	85	36	-	61	13	1	3	17	91	83	-	195	-	4	0	12	6	0	0	0	2	1	2	20	23	70
	Belfast Harbour	59	15	93	-	14	-	7	8	35	-	150	-	-	6	0	11	7	1	0	0	0	0	-	19	-	-
Down	Kilkeel	-	2	-	-	0	0	0	-	-	-	-	-	-	-	0	-	-	0	0	0	-	-	-	-	-	-
	Orlock Head	-	-	211	-	29	48	28	18	-	135	-	269	-	46	7	43	21	1	1	0	1	3	15	-	62	-
Tyrone	Carrigans	16	6	47	36	8	0	0	1	16	18	-	-	-	0	0	1	2	0	0	0	0	0	0	2	-	-
Fermanagh	Castle Archdale Forest	9	4	-	20	1	0	0	1	8	31	80	10	-	0	0	2	0	0	0	0	0	0	1	9	0	12

Table 8 Dates on which gusts exceeded 47 knots during 1977

The time of occurrence of the maximum gust in each month can be found by reference to Table 6 of the appropriate part of the Monthly Weather Report

District and Place	Dates
0 SCOTLAND N	
Lerwick	Jan 6 9 10 21; Mar 3 4 30 31; Apr 6; Aug 29; Sep 5 13 28; Oct 27 28 30; Nov 9 11-13 21; Dec 8 10 11 15 29 30
Kirkwall Airport	Jan 6 7 9; Feb 18; Mar 3-5 31; Apr 6 13; Aug 29; Sep 5 13 28-30; Oct 27 28 30; Nov 9 12 21 24; Dec 3 10 15 27-30
Benbecula	Jan 11 21 29 30; Feb 3; Mar 2 4 5 8-11 15 30; Apr 2 6 12-14 25; Aug 29; Sep 4 28 30; Oct 1 12 27 30; Nov 7 8 10 11 13-15 19 23 24; Dec 4 10 29 30
Stornoway	Jan 4 9 29 30; Mar 2 5 8 9 30 31; Apr 6 25; Aug 25 29; Sep 5 30; Oct 12 26-30; Nov 7 10 11 13-15 23 24; Dec 29 30
Dalcross	Mar 5 30 31; Aug 29; Sep 28; Oct 12 27 30; Nov 10 11 14 24; Dec 4 10 29 30
Dounreay	Jan 6 21; Mar 4 5 30 31; Apr 2 13; Oct 1; Nov 12-14 24; Dec 29 30 (Defective Nov)
Duirinish	Jan 4 30; Mar 30 31; Apr 6 13 25; Aug 29; Sep 1 2 4 28 29; Oct 12 27-30; Nov 8 10-15 19 20 23 24; Dec 29 30 (Defective Jan, Mar Oct)
Fort Augustus	Aug 29; Oct 12
Wick	Jan 9; Mar 3-5 31; Apr 6 13; Sep 28 30; Oct 27; Nov 11 12 14 24; Dec 3 4 10 28-30
1 SCOTLAND E	
Aberdeen Dyce Airport	Mar 31; Apr 6 13; Oct 30; Nov 14 15 24
Fraserburgh	Jan 6 10; Feb 4 10; Mar 3-5 30 31; Apr 2 6 12-14; Sep 11 28; Oct 1 30; Nov 12-15 20-22 24; Dec 10 28-30
Kinloss	Jan 30; Mar 2 3 5 15 31; Sep 5 28 30; Oct 12 27; Nov 11 14 24; Dec 4 29 30
Lossiemouth	Mar 3-5 15; Apr 13; Sep 28 30; Oct 27 30; Nov 11 12 14 20 24; Dec 4 5 29 30
Bell Rock	Jan 1 13 14 21; Feb 10; Mar 3-5 10 15 31; Apr 6 13; Jun 11; Aug 29; Sep 5 28-30; Oct 11 12 30; Nov 6 8 9 11-15 17 20 21 24; Dec 3 4 10 24 28-30
Mylnefield	Nov 15
Leuchars	Jan 14; Mar 3-5; Apr 6 13; Aug 29; Sep 28-30; Nov 11-14; Dec 29
Edinburgh Turnhouse Airport	Feb 3; Mar 3-5 31; Apr 13; Sep 28 30; Oct 30; Nov 10-12 14; Dec 24
Royal Observatory, Blackford Hill	Jan 4 14 30; Feb 2 3; Mar 2-5 8-10 15 17 30 31; Apr 1 13 28; Aug 29; Sep 1 4 10 28-30; Oct 12 27 29 30; Nov 6-8 10-14 19 20 23; Dec 22-24 29 (Defective Nov)
Forth Road Bridge	Feb 3; Mar 2-5 31; Apr 13; Sep 11 28-30; Oct 30; Nov 10-14 23; Dec 24 29
6 SCOTLAND W	
Abbotsinch Airport	Oct 30; Nov 14
Ardrossan	Mar 4 11 30 31; Apr 1 2 13; Sep 28 30; Oct 1 27 28 30; Nov 6 11-15 19 20 23 24; Dec 24 29 30 (Defective Dec)
Dunstaffnage	Mar 4 15 31; Apr 13 25; Nov 8 11 13-15 23; Dec 4 29 30 (Defective Mar)
Greenock Port	Feb 3; Mar 4 9 30 31; Apr 13; Oct 12 30; Nov 8 11 14 23 24; Dec 29 30
Inchterf	Nov 11 14; (Defective Dec)
Lowther Hill	Jan 5-8 13 14 20 21 24 25 30; Feb 2-4 7 22; Mar 3-5 8-11 13-18 30 31; Apr 1 2 5 6 10 12-14 23 27 28; May 7 11; Jun 5 6 30; Jul 2 23 24; Aug 24 29; Sep 1 2 4-6 10-12 14 24 25 27-30; Oct 1 2 6 11 12 22-24 26-31; Nov 3-8 10-15 19 20 22-24; Dec 3-7 9-11 14 21-25 28-31 (Defective Jan, Mar, Apr, May)
Machrihanish	Jan 20 21 24; Feb 3; Mar 4 9 10 15 30 31; Apr 1 2 13 14; Sep 28 30; Oct 1 7 11 12 22 30; Nov 3-5 8 10-15 19 20 23 24; Dec 3 4 6 9 10 29 30
Paisley	Mar 4 10 31; Apr 23; Oct 30; Nov 11 14 19; Dec 22 24 29 30
Prestwick Airport	Mar 10 31; Oct 1 30; Nov 3 4 11 12 14 15 19 20 23; Dec 5 29 30
Tiree	Jan 10 20 21 30; Mar 2 4 10 11 15 30; Apr 3 6 13; May 7; Aug 29; Sep 1 2 4 28; Oct 1 12 27 29 30; Nov 8 10-15 17 19-21 23 24; Dec 3-6 9 10 21 22 28-30
Eskdalemuir	Jan 7 14; Feb 3; Mar 4 15 17; Apr 1 5 13; Jul 23; Sep 4 11 28-30; Oct 1 12 30; Nov 7 11 12 14 15 21 23; Dec 23 24 28-30
West Freugh	Oct 30; Nov 14; Dec 30 (Defective Oct)
2 ENGLAND E & NE	
Blyth	Jan 1 13 14; Mar 2-5 28; Apr 1 7 13 27; May 11; Sep 28-30; Nov 11-14 19-21; Dec 24 (Defective Dec)
Boulmer	Jan 13 14; Mar 5; Sep 29 30; Nov 11 13 19 21; Dec 24 (Defective Dec)
South Shields	Jan 1; Mar 5 28; Apr 7; Nov 21
South Gare	Jan 1 13 14; Feb 3; Mar 2-4 15 27 28 31; Apr 1 6 7 13 21 22 27; May 11; Sep 6 28-30; Oct 1 30 31; Nov 7 11 12 14 15 21-24; Dec 11 24 28
Durham	Feb 3; Mar 4 5; Apr 1 21; Nov 11 12 23; Dec 24 (Defective Jan, Mar)
Leeming	Feb 3 4; Mar 3 4; Apr 1 13; Sep 29 30; Nov 11 12 14 15; Dec 11 24
Linton-on-Ouse	Mar 3 4; Apr 1; Nov 11 12 14 23; Dec 24
Silpho Moor	Feb 3; Mar 4; Apr 1; Nov 11; Dec 11 24 28 30
Binbrook	Jan 26; Mar 4 9; Apr 1; Oct 31; Nov 11 12 14; Dec 24
Coningsby	Mar 28; Apr 23; Nov 11 14; Dec 24
Cranwell	Jan 25 26; Apr 1 22; Oct 1; Nov 11 12 14 23; Dec 24 30
Scampton	Apr 1 22; Nov 11 12 14 23; Dec 24
Waddington	Jan 13 25 26; Apr 1 22 23; Nov 11 12 14; Dec 24
3 EAST ANGLIA	
Coltishall	Jan 26; Feb 7; Apr 1; Nov 11 12 14; Dec 24
Gorleston	Jan 13 25 26; Feb 3 18; Mar 27 28 31; Oct 30 31; Nov 2 11 14 22; Dec 23 24
Marham	Jan 25; Nov 11 14; Dec 24
Wittering	Mar 4; Apr 1 22; Nov 11 12 14 15 23; Dec 23 24 30
Wyton	Apr 1 22; Nov 11 14; Dec 24
Honington	Jan 25 26; Nov 11 12 14; Dec 24 30
Wattisham	Jan 25 26; Apr 23, Nov 11 12 14 15; Dec 24
Bedford	Apr 1; Nov 11 14; Dec 23 24
Cardington	Jan 25 26; Apr 1 23; Oct 1; Nov 11 14 23; Dec 23 24 (Defective Mar)
Garston	Jan 25; Nov 11 14; Dec 24
Shoeburyness	Jan 25; Nov 11; Dec 24
Stansted	Jan 25; Apr 1; Nov 11; Dec 23 24

District and Place	Dates
4 MIDLAND COUNTIES	
Finningley	Jan 26; Mar 4; Apr 1 22; Nov 11; Dec 24
Sheffield University	Jan 26; Mar 3 4; Apr 1 22; Sep 30; Oct 1 31; Nov 11 12 14 15 23; Dec 11 23 24 29 30
Watnall	Jan 25; Mar 4; Apr 1; Nov 11 12 14; Dec 23 24
Keele	Mar 15; Apr 1; Nov 11 14 15 23; Dec 11 23 24 30
Shawbury	Nov 11 14; Dec 11 23 24
Birmingham Edgbaston	Apr 1 23; Nov 11 14; Dec 23 24
Elmdon Airport	Apr 1; Nov 11 14; Dec 24
Pershore	Apr 1 (Jun-Dec missing)
Benson	Jan 25; Mar 9; Oct 31; Nov 11; Dec 23 24
Brize Norton	Nov 11 12 14; Oct 23 24
Oxford	Jan 25 26; Feb 18; Mar 9; Apr 22; Oct 31; Nov 11 12 14; Dec 23 30 (Defective Dec)
5 ENGLAND SE & CENTRAL S	
Heathrow Airport	Jan 25; Nov 11; Dec 24
Kew	Jan 25; Nov 11 14; Dec 23 24
London Weather Centre	Jan 25; Apr 26; Nov 11 14; Dec 23 24
Post Office Tower	Jan 25 26; Feb 7 18; Mar 14 15; Apr 1; Oct 31; Nov 1 7 11 12 14 15 21 23 24; Dec 23 24 30
Boscombe Down	Jan 25; Feb 18; Nov 11 14; Dec 24
Larkhill	Jan 25; Nov 11 14; Dec 24
Lyneham	Jan 25; Feb 7; Oct 31; Nov 11 14; Dec 23 24
Porton	Jan 25; Feb 18; Oct 31; Nov 11 14; Dec 23 24
Dungeness	Jan 25 26; Feb 18; Mar 14 31; Oct 31; Nov 2 7 8 11 12 14 20 21 23 24; Dec 11 24 (Defective Jan)
Isle of Grain	Jan 25 26; Feb 18; Apr 23; Nov 11 14; Dec 23 24
Dover	Jan 1 13 14 25 26; Feb 5 7 17 18 20; Mar 9 14 31; Apr 1 23; Sep 30; Oct 4 31; Nov 2 7-9 11 12 14 20 21 23 24; Dec 11 23 24 (Defective Jun-Sep, Nov)
Manston	Jan 13 14 25 26; Feb 18 19; Mar 14; Nov 2 11 14 21; Dec 24
Calshot	Jan 13 25; Feb 18; Oct 31; Nov 11 14 15; Dec 10 23 (Defective May)
Farnborough	Jan 25; Nov 11; Dec 24
Middle Wallop	Jan 25; Feb 18; Aug 24; Oct 31; Nov 11 14 23; Dec 23 24
Gatwick Airport	Jan 25; Feb 18; Mar 9; Nov 11 14; Dec 23 24
Thorney Island	Jan 13 25; Oct 31; Nov 11 14 (Defective Jan, Apr, May, Nov, Dec)
7A ENGLAND NW & I.O.M.	
Carlisle	Apr 1; Nov 11 12 14 19; Dec 23 24
Great Dun Fell	Jan 5 9 13 14 21 25; Feb 2 3 5 7 17 18; Mar 2-5 8-11 15-18 20 30 31; Apr 1-3 12-14 20-23 25 27 28; May 3 7 11; Jun 5 10 11; Jul 23 24; Aug 4 16-19 24 29; Sep 1 4 6 9-11 14 24 27-30; Oct 1 3 6 11 12 23 24 26-31; Nov 3 5-15 19 20 23; Dec 3 4 6 7 9-12 22-26 29-31 (Defective Sep)
Moor House	Mar 4 5 31; Apr 1 2 12 13 21 22 27; Aug 29; Sep 4 28 30; Oct 1 11 12 23 24 26 30 31; Nov 7 10-12 14 19 23; Dec 4 11 23 24 29 30 (Defective Jan)
Sellafield	Nov 11 14 (Defective Dec)
Fleetwood	Jan 13 26; Mar 15; Apr 1 2; Sep 10; Oct 1; Nov 11-15 23 24; Dec 11 24 30
Squires Gate Airport	Jan 26; Apr 1; Nov 11 12 14 15; Dec 11 24 30
Aigburth	Mar 4; Apr 1; Sep 28; Nov 11 12 14; Dec 11 23 24
Speke Airport	Jan 26; Apr 1 (Sep-Dec Missing)
Manchester Ringway Airport	Jan 26; Apr 1; Nov 11 14; Dec 11 23 24 30
Weather Centre	Jan 26; Apr 1; Nov 11 12 14 23; Dec 11 24
Point of Ayre	Jan 13 14 21; Mar 15 31; Apr 1 2; Aug 24; Oct 30; Nov 7 11-15
Ronaldsway	Jan 13 25 26; Mar 10 31; Apr 1; Oct 30; Nov 7 11 12 14 15 23 24; Dec 23 24 30
7B WALES N	
Valley	Jan 14 21 25 26; Feb 2 3 18; Mar 10 15 17 30 31; Apr 1 28; Sep 1 4 27 28; Oct 1 11 12 23 24 30 31; Nov 3 5 7 11 12 14 15 19 23 24; Dec 9-11 23 24 30
8A WALES S	
Aberporth	Jan 14; Feb 2; Mar 9 10 15 31; Oct 31; Nov 11 12 14 15 19 23 24; Dec 3 4 9 10 23 24
Brawdy	Jan 13 14; Mar 10 15; Oct 31; Nov 11 12 14; Dec 23 24
Milford Haven	Jan 13 14 20 25; Feb 7; Mar 10 15; Oct 11 30 31; Nov 7 11 12 14; Dec 23 24
Port Talbot	Jan 13 25; Mar 14; Apr 23; Oct 31; Nov 11-15; Dec 10 23 24
Cilfynydd	Jan 25; Feb 6 7; Mar 2; Apr 1; Nov 11 12 14 20 23; Dec 9 10 24
Rhoose Airport	Nov 11 12 14; Dec 24
8B ENGLAND SW	
Avonmouth	Mar 9; Apr 23; Oct 31; Nov 11 12 14; Dec 24
Yeovilton	Jan 13 15 25; Feb 18; Mar 15; Oct 31; Nov 11 12 14; Dec 10 23 24
Hurn Airport	Jan 25; Oct 31; Nov 11 14; Dec 23 24
Portland Bill CG	Jan 13-15 25; Feb 18; Oct 31; Nov 1 2 7 11-16 19-21 23 24; Dec 9 10 23 24 30 (Defective Jan, Apr)
Mount Batten	Jan 13-15 21 25; Feb 3 18 21; Mar 15; Oct 30 31; Nov 1 2 11 12 14; Dec 10 23 24
Culdrose	Jan 13-15 25 27; Feb 17 18; Mar 10 14 15; Oct 31; Nov 2 11 12 14; Dec 10 23 24
Lizard	Jan 13-15 20 21 25 27; Feb 3 5 6 15 17 18 27; Mar 9-11 13-15; Aug 24; Oct 30 31; Nov 1 2 7 9 11 12 14-17 20 23 24; Dec 4 9 10 23 24 27 (Defective Feb)
St Mawgan	Jan 13 14 25; Feb 18 27; Mar 10 15; Oct 31; Nov 11 14; Dec 10 23 24
Scilly (St Mary's)	Jan 9 13-15 20 25-27; Feb 5 6 15 17 18 27; Mar 9 10 13-15; Apr 1; Sep 23; Oct 30 31; Nov 1 2 7 11 12 14-17 20 21 23 24; Dec 2-4 9 10 23 24 27 28
CHANNEL ISLANDS	
Guernsey Airport	Jan 1 13 14 25 26; Feb 18; Mar 13; Oct 31; Nov 11 12 14-16 20 21 24
Jersey Airport	Jan 13-15; Feb 17; Mar 14; Nov 12 14-16 21
NORTHERN IRELAND	
Coleraine University	(Defective Apr, Oct, Nov, Dec)
Aldergrove	Jan 21; Mar 10 15; Oct 11; Nov 14
Ballypatrick Forest	Jan 4 21; Mar 10 15 30 31; Apr 1; Aug 24; Sep 30; Oct 12 30; Nov 14 23 24; Dec 3 4 9 30
Belfast Harbour	Jan 14 21 25; Mar 10 15; Apr 1 2 13; May 7; Oct 1; Nov 11 14 15 23; Dec 29 30 (Defective Oct, Dec)
Kilkeel	Jan 21 (Defective Jan, Sep-Dec)
Orlock Head	Jan 13 14 20 21 25 26; Feb 2 3; Mar 2 3 5 8-11 15 30 31; Apr 1 2 6 13; May 11; Jun 6; Aug 24; Sep 30; Oct 1 11 28 30; Nov 5 7 8 11-15 23 24; Dec 3 4 6 7 9 22 24 28 30
Carrigans	Mar 15; Apr 1; Nov 14 (Defective Dec)
Castle Archdale Forest	Mar 10 15; Oct 30; Nov 10 11 14

Table 9 Occasions on which the maximum hourly mean wind was 41 knots or more (strong gale) during 1977

District and Place	date	maximum hourly mean wind of 41 kt or more			maximum speed in a gust during the day			hours for which the mean speed exceeded 33 kt on the date in the second column
		hour beginning	direction	speed	time	direction	speed	
0 SCOTLAND N								
Lerwick	31 Mar	03	190	41	0342	190	61	0-12
Kirkwall Airport	28 Sep	12	260	42	1200	250	60	11-13
Stornoway	4 Sep	01	190	42	0206	190	47	1 3
	12 Oct	06	190	42	0548	190	62	5-15
	30 Oct	14	190	43	1442	190	61	10-17
	10 Nov	23	210	42	2342	210	67	6 7 15-23
Duirinish	12 Oct	06	—	46	0624	—	68	5-10 14 15
	30 Oct	16	—	43	1706	—	68	10-18
	10 Nov	22	—	42	2218	—	64	18-23
	11 Nov	01	—	42	0130	—	65	0-4
Wick	5 Mar	12	270	45	1242	280	67	11-14
1 SCOTLAND E								
Fraserburgh	5 Mar	14	270	44	1400	270	63	11-17
	12 Nov	02	270	42	1954	290	58	1-3 5-7 13 15-23
	13 Nov	02	300	42	0618	290	57	0-12
	14 Nov	23	300	44	2336	300	59	17-23
	15 Nov	00	300	43	0000	300	58	0-4
	24 Nov	04	330	46	0436	330	61	2-12
	29 Dec	21	300	43	2118	310	64	8-12 16-23
	30 Dec	01	320	45	0842	300	64	0-19 21 22
Bell Rock	1 Jan	11	010	41	1242	360	53	8-14
	14 Jan	09	060	41	0912	060	58	0 2-12
	5 Mar	09	260	41	1306	270	53	8-15
	15 Mar	20	160	41	1954	150	53	16 18-22
	29 Sep	18	240	44	1806	230	57	11 13-23
	30 Sep	02	250	42	0206	250	57	0-3
	10 Dec	06	140	42	0630	140	54	1-10
Blackford Hill	3 Feb	04	190	42	0400	200	67	0-6 20 21
	2 Mar	21	220	45	2048	220	65	18-22
	9 Mar	01	190	43	0030	190	65	0-3
	31 Mar	05	190	48	0336	190	72	2 11
	30 Oct	18	210	45	1812	210	72	11 21
Forth Road Bridge	4 Mar	13	270	42	1206	260	55	11-16
6 SCOTLAND W								
Ardrossan	14 Nov	12	300	45	1118	310	70	0-6 8-17 19-23
	15 Nov	00	330	43	0024	320	57	0-5 12 15 16
	24 Nov	03	330	50	0348	330	65	0-5
	29 Dec	23	330	43	2312	330	68	10 12-23
	30 Dec	06	350	45	0624	350	69	0-8
Lowther Hill	6 Jan	22	310	41	2236	310	55	18-23
	7 Jan	07	310	44	0730	310	55	0-11
	13 Jan	23	100	43	2342	090	55	20 22 23
	14 Jan	08	070	44	0112	090	61	0-10
	20 Jan	22	140	45	0636	190	57	4-9 11-13 17-23
	21 Jan	10	180	44	1048	180	59	8-22
	24 Jan	20	190	43	2042	190	57	17-20
	25 Jan	16	120	44	1442	120	54	14-17
	2 Feb	23	200	52	2300	200	75	18-23
	3 Feb	01	200	51	0106	200	75	0-5 20-23
	3 Mar	03	290	54	0300	280	75	0-13 19 21
	4 Mar	18	300	60	1836	300	80	0-21
	5 Mar	12	290	46	1224	290	67	9-15 18 19
	8 Mar	21	200	49	2118	210	67	9-23
	9 Mar	16	200	41	1624	200	62	0-2 9-16 19
	10 Mar	18	180	58	2236	200	82	9-23
	11 Mar	07	200	53	0442	200	76	0-9
	15 Mar	19	180	62	1900	180	81	10-22
	17 Mar	13	190	46	0900	190	69	0-14 16 21-23
	1 Apr	16	280	50	1636	280	74	0-2 14-23
	2 Apr	02	300	43	0224	300	54	0-3
	12 Apr	19	290	51	—	—	65	4-6 13-23
	13 Apr	04	310	46	—	—	65	0-7 9-11 13-23
	28 Apr	02	170	42	0236	170	69	0-3
	5 Jun	04	290	45	0406	290	59	3-7
	2 Jul	14	200	41	1424	200	54	6-8 10 12-15
	24 Aug	16	110	46	1712	110	57	10-18
	29 Aug	05	200	41	0930	220	58	0 5-11
	1 Sep	12	180	43	1018	180	58	2-16
	4 Sep	05	190	44	0812	180	57	0 3-11
	11 Sep	19	290	47	1812	270	62	2 17-23
	12 Sep	01	290	42	0206	290	55	0-3 5
	24 Sep	11	130	44	2318	120	59	0-23
	28 Sep	10	270	51	1006	270	74	0-16 18-23
	29 Sep	23	260	47	1630	220	67	0-2 6 10-23
	30 Sep	01	270	49	0306	270	71	0-4 6 11-23
	1 Oct	16	290	50	1612	290	78	0-23
	2 Oct	00	270	42	0024	270	58	0-3
	11 Oct	18	140	54	1836	140	71	14-23
	23 Oct	18	170	41	1824	170	54	2 17-23
	26 Oct	21	160	45	2100	160	66	16 19-23
	27 Oct	04	170	42	0218	160	59	0-6
	29 Oct	23	170	44	2030	160	66	3 14-23
	30 Oct	15	170	60	1518	160	83	0-23
	31 Oct	00	150	41	0006	160	65	0 1
	3 Nov	15	240	41	1548	240	74	14-16
	7 Nov	06	170	50	0554	170	72	0-9
	10 Nov	23	190	48	2312	190	66	1-6 8-12 16-23

Table 9 (continued)

District and Place	date	maximum hourly mean wind of 41 kt or more			maximum speed in a gust during the day			hours for which the mean speed exceeded 33 kt on the date in the second column
		hour beginning	direction	speed	time	direction	speed	
6 SCOTLAND W – cont.								
Lowther Hill – cont.	11 Nov	03	190	54	1812	200	78	0-20 23
	12 Nov	01	250	48	0042	250	74	0-4 6
	13 Nov	22	240	60	2330	240	75	21-23
	14 Nov	10	250	58	0006	250	91	0-23
	15 Nov	01	290	54	0018	290	69	0-17
	20 Nov	00	260	45	0012	260	64	0-3
	23 Nov	13	260	54	1642	260	77	2-4 8-19 21-23
	24 Nov	06	300	42	0618	300	58	1-7 11
	6 Dec	10	120	48	1024	120	62	0 4-11 13-23
	7 Dec	00	120	41	0054	120	52	0-5 9-16
	9 Dec	23	150	44	2342	150	66	17-23
	10 Dec	03	150	50	0124	150	75	0-6
	22 Dec	21	200	49	2048	200	77	13 16-23
	23 Dec	22	210	48	2236	210	65	0 1 20-23
	24 Dec	03	300	54	0336	300	80	0-12 14-23
	28 Dec	08	350	45	0806	350	53	5-9 11 12 16
	29 Dec	23	320	68	2354	320	89	7-23
	30 Dec	00	310	62	0006	310	80	0-21 (Defective Jan, Mar, Apr)
Machrihanish	21 Jan	06	130	43	0706	130	59	0-10
	30 Mar	23	170	44	2336	170	60	20-23
	31 Mar	02	170	42	0324	170	58	0-5
	14 Nov	12	290	45	1212	300	78	0 4-19 21-23
	24 Nov	04	320	43	0436	320	65	0-5
Tiree	10 Mar	15	150	41	1536	150	58	11-23
	15 Mar	16	130	43	1618	130	60	13-19
	12 Oct	04	190	44	0318	190	59	2-11 13-16
	27 Oct	05	220	43	0512	220	63	2-7
	10 Nov	22	210	42	2136	210	61	18-23
	11 Nov	00	210	42	0106	210	62	0-2
	19 Nov	22	330	47	2236	330	68	20-23
	4 Dec	07	140	43	0724	140	59	0-8 10-14 17 20-23
Eskdalemuir	15 Nov	00	290	43	0012	290	68	0 1 4 10-12
	29 Dec	20	280	43	2342	280	67	15 16 19-23
2 ENGLAND E & NE								
South Gare	1 Jan	17	360	42	1754	350	54	6-10 16-19
	13 Jan	23	100	47	2336	100	62	18-23
	14 Jan	00	100	46	0000	100	60	0-5 10
	4 Mar	10	280	42	1012	280	55	10-15
	12 Nov	00	260	42	0054	270	59	0 1
	21 Nov	21	360	42	2206	020	70	14 16-23
	22 Nov	00	350	41	0224	340	57	0-2
	24 Dec	05	290	45	0500	290	63	1 5 6
Coningsby	24 Dec	03	230	42	0518	260	63	2-5
Cranwell	22 Apr	13	250	41	1300	250	57	12-14 16
	11 Nov	23	230	42	2106	240	60	18 19 21-23
	24 Dec	04	230	46	0436	240	72	1-7
3 EAST ANGLIA								
Coltishall	24 Dec	05	240	43	0518	240	72	3-6
Gorleston	2 Nov	04	170	43	0454	170	62	2-5
Marham	24 Dec	04	240	42	0430	240	65	2-5
Wittering	5 Feb	12	270	45	1242	280	67	11-14
	24 Dec	03	240	45	0336	230	76	0-5
Wattisham	24 Dec	05	240	42	0348	220	65	1-6
Cardington	25 Jan	22	210	41	2306	210	59	20 22 23
	24 Dec	04	240	49	0400	240	70	0-5
5 ENGLAND SE & CENTRAL S								
Post Office Tower	25 Jan	21	240	47	1954	240	68	16-23
	26 Jan	00	260	41	0048	270	54	0-3
	11 Nov	21	260	46	2100	270	75	16-23
	14 Nov	17	320	42	1654	330	61	3 9-23
	23 Dec	23	–	43	2336	–	56	18-23
	24 Dec	01	–	49	0454	–	69	0-9 11 14 15 17 18
Dungeness	13 Jan	18	160	46	–	–	–	14-23
	14 Jan	03	250	42	1318	270	41	0-3
Dover	13 Jan	16	160	45	1654	160	66	14-21
	14 Jan	02	210	42	0218	210	62	0-3 11
	25 Jan	23	240	54	2242	240	72	15 18-23
	26 Jan	00	250	44	0018	250	62	0-3 7
	18 Feb	22	250	46	2218	250	62	2 13-16 19 21-23
	20 Feb	08	240	42	0848	240	54	8-10 12
	14 Mar	12	240	42	0300	230	56	3-6 8-13 15-17
	2 Nov	04	200	43	0354	200	58	0-7 20 21
	11 Nov	22	250	51	2242	240	74	2 6 11 13 15-23
	20 Nov	04	260	41	0654	260	57	0-7
	21 Nov	07	070	46	0800	070	60	3-9
	24 Dec	04	250	57	0430	250	74	0-9 14
Manston	13 Jan	18	160	41	1736	160	56	15-20
	25 Jan	21	210	42	2330	230	62	19-23
	24 Dec	03	240	43	0306	230	66	0-4

Table 9 (continued)

District and Place	date	maximum hourly mean wind of 41 kt or more			maximum speed in a gust during the day			hours for which the mean speed exceeded 33 kt on the date in the second column
		hour beginning	direction	speed	time	direction	speed	
7A ENGLAND NW & I.O.M.								
Great Dun Fell	5 Jan	05	230	44	0748	250	57	0-10
	13 Jan	23	080	58	2236	080	64	17-23
	14 Jan	00	080	56	0006	080	64	0-13
	2 Feb	20	220	47	2330	210	60	6-9 17-23
	3 Feb	08	230	44	0148	210	67	0-8 21 22
	5 Feb	12	230	45	1230	220	56	11-14
	2 Mar	21	230	48	2154	230	63	16-23
	3 Mar	22	250	47	2318	250	61	0-15 20-23
	4 Mar	15	260	52	1436	260	70	0-23
	5 Mar	13	270	44	1318	270	58	3-19
	8 Mar	16	220	43	1612	220	55	9-18 21-23
	10 Mar	20	190	42	1348	200	62	10 11 13-22
	11 Mar	09	210	50	0942	210	67	1-11
	15 Mar	19	190	43	1954	190	68	5 6 14 16-23
	16 Mar	14	220	42	0212	220	52	0-2 4 5 7 9 10 13-15
	17 Mar	13	220	48	0854	210	64	0 1 3-17
	20 Mar	11	050	41	1118	050	50	0-2 10-18 21
	30 Mar	11	210	43	1036	210	54	9-12 20-23
	31 Mar	23	220	52	2342	220	63	0-9 11-23
	1 Apr	23	260	59	2300	260	69	0-23
	2 Apr	00	260	50	0012	260	59	0-13
	3 Apr	14	040	55	1430	040	60	12-16
	12 Apr	21	260	45	2148	260	59	3-23
	21 Apr	15	240	51	1524	240	63	0 1 4-23
	22 Apr	07	220	47	0718	220	60	5-20
	25 Apr	13	220	42	1306	220	52	9-14 16 17
	27 Apr	20	220	47	2036	220	60	1-4 6-11 14-23
	28 Apr	00	210	42	0506	200	55	0-7
	10 Jun	22	040	48	2106	040	58	2-23
	24 Jul	07	250	41	0730	250	49	3-14
	4 Aug	14	220	46	1642	220	62	12-23
	16 Aug	23	070	42	2354	070	50	9-15 19-23
	17 Aug	10	060	48	1006	060	57	0-17 22
	18 Aug	07	050	41	0742	050	52	5-9
	19 Aug	12	040	46	1212	040	59	6-21
	24 Aug	15	110	41	1536	110	55	12-16
	29 Aug	12	240	44	1224	230	57	0 4-13
	1 Sep	19	220	43	1836	210	59	9 14-20 22 23
	4 Sep	15	230	50	0954	220	65	0-20
	6 Sep	12	250	43	1206	240	57	5-15
	11 Sep	18	230	41	2006	250	55	4 9 10 13-20 22
	28 Sep	04	230	61	0354	220	77	0-23
	29 Sep	00	260	47	0036	260	66	0-23
	30 Sep	15	250	47	1530	250	66	0-9 11-23
	1 Oct	15	270	41	0630	280	60	0-7 9-23
	6 Oct	20	060	45	2100	070	53	12-21
	11 Oct	23	220	44	2336	220	64	15-23
	12 Oct	04	230	50	0400	230	67	0-22
	23 Oct	23	220	48	2348	220	62	2 5 14-23
	24 Oct	00	220	50	0012	220	61	0-14 17 22
	26 Oct	23	220	41	2306	220	52	0-2 5 7-20 22 23
	27 Oct	07	220	49	0748	220	62	0-9
	28 Oct	23	250	41	1712	260	49	5 11 12 17 22 23
	29 Oct	19	220	45	2330	220	62	0 1 7-12 16-23
	30 Oct	17	210	58	1524	210	78	0-23
	31 Oct	05	200	57	0548	200	80	0-8 14-16
	5 Nov	20	230	49	2048	230	64	7-23
	6 Nov	19	230	54	1948	230	67	0 3-9 13-23
	7 Nov	08	230	61	0836	230	81	0-13 19-23
	8 Nov	20	260	42	2018	260	58	0 10-13 19-23
	10 Nov	12	230	60	1136	230	72	0-23
	11 Nov	18	230	69	2030	240	98	0-23
	12 Nov	00	270	64	0006	270	92	0-23
	13 Nov	19	250	51	2348	260	62	0-23
	14 Nov	11	280	65	1130	280	88	0-18
	19 Nov	16	260	57	1648	260	68	6-23
	20 Nov	02	260	42	0242	260	50	0-4 13 23
	23 Nov	13	260	51	1306	250	67	4 6-23
	3 Dec	20	150	61	2300	150	73	12-23
	4 Dec	00	150	59	0942	100	72	0-23
	6 Dec	12	080	53	1612	070	64	0-23
	7 Dec	08	080	49	1024	090	59	0-19
	10 Dec	01	150	48	0112	150	66	0-3
	11 Dec	08	220	55	0848	220	67	0 1 3-23
	12 Dec	03	210	41	0006	210	55	0-4
	22 Dec	20	200	41	2036	200	63	16-23
	23 Dec	23	220	73	2336	220	92	0-5 16-23
	24 Dec	00	210	69	0000	210	83	0-23
	29 Dec	22	260	46	2254	260	61	10-14 17-23
	30 Dec	01	270	45	0130	270	66	0-5 17-20 (Defective Sep)
Fleetwood	14 Nov	17	290	42	2006	300	61	12-23
Squires Gate Airport	11 Nov	23	250	42	2254	250	64	19-23
Point of Ayre	14 Nov	13	290	42	1312	300	63	3 10-21 23
7B WALES N								
Valley	10 Mar	14	160	43	1348	160	60	9-17 19 20
	15 Mar	15	160	43	1448	160	61	12-17
	30 Mar	23	180	42	2300	180	56	19-23
	31 Mar	02	170	42	0318	170	55	0-9
	30 Oct	23	180	44	2324	180	63	3-6 8-23
	31 Oct	02	180	42	0318	180	58	0-3

Table 9 (continued)

District and Place	date	maximum hourly mean wind of 41 kt or more			maximum speed in a gust during the day			hours for which the mean speed exceeded 33 kt on the date in the second column
		hour beginning	direction	speed	time	direction	speed	
7B WALES N – cont.								
	11 Nov	19	240	52	2136	270	66	2-23
	12 Nov	00	250	43	0000	250	55	0-3 10 13 14
	14 Nov	16	290	42	1606	300	64	10-23
	23 Dec	23	190	46	2324	200	63	16-23
	24 Dec	00	190	46	0218	250	67	0-3
8A WALES								
Aberporth	14 Nov	18	300	46	1900	300	70	11-23
	23 Dec	23	210	41	2312	210	65	20-23
	24 Dec	02	280	41	0206	280	65	0-2
Milford Haven	11 Nov	19	250	43	1954	250	67	15-21
Port Talbot	28 Aug	14	270	41	1424	270	59	14 15
	11 Nov	20	250	42	2042	250	56	16-23
	24 Dec	01	240	42	0124	240	58	0 1
Cilfynydd	24 Dec	01	230	46	0054	230	81	0-2
8B ENGLAND SW								
Portland Bill CG	13 Jan	10	150	46	1054	150	61	8-12 20
	14 Jan	05	280	43	0454	280	57	2 4-22
	25 Jan	20	250	44	2012	250	65	16-22
	11 Nov	21	270	48	1936	260	72	17-23
	12 Nov	12	290	46	1418	300	64	0-15
	14 Nov	17	310	47	1700	310	70	1-3 6-23
	15 Nov	02	300	42	0242	300	66	0-6 11 13
	20 Nov	04	270	41	0418	270	57	0-5
	24 Dec	01	260	41	0224	270	60	0-2
Mount Batten	25 Jan	17	250	46	1700	240	67	14-19
Culdrose	25 Jan	17	220	47	1736	220	72	14-18
Lizard	13 Jan	21	290	45	2106	280	69	6 13-16 19-23
	14 Jan	00	290	42	2312	310	61	0-5 8 9 11 12 14 21
	25 Jan	18	250	56	1812	250	78	6-14 18-21
	17 Feb	22	260	41	2330	260	60	13-15 17-23
	18 Feb	10	220	44	1448	220	63	0-2 7-11 13-16
	10 Mar	12	190	43	1200	180	59	7-15
	15 Mar	12	180	46	1118	180	65	9-16
	31 Oct	02	190	46	0306	190	63	0-2
	11 Nov	19	250	43	1906	250	62	12-23
	12 Nov	08	280	41	1418	290	64	0-14 16
	14 Nov	14	280	46	1454	300	69	2 4-20
	23 Nov	22	280	41	2236	280	53	15-23
	24 Nov	01	280	42	0212	280	53	0-2
	23 Dec	23	240	48	2306	230	68	14-23
	24 Dec	00	250	46	0000	240	67	0-2 (Defective Jan)
Scilly (St Marys)	13 Jan	20	320	44	1112	250	65	12 18-23
	25 Jan	15	240	46	1442	230	68	13-20
	15 Mar	11	170	41	1106	170	64	8-14
	11 Nov	17	240	44	1830	250	68	14-23
	14 Nov	14	290	44	1436	300	72	1 3-23
	20 Nov	21	340	42	2206	350	67	0-3 18-23
	10 Dec	19	270	44	1918	280	66	19
	23 Dec	22	220	48	2242	220	71	17-23
	24 Dec	00	240	43	0012	240	62	0 1
CHANNEL ISLANDS								
Guernsey Airport	12 Oct	21	310	45	2148	310	66	9-23
	13 Oct	00	320	44	0018	320	65	0-6
	14 Nov	16	270	43	1830	270	61	5-8 10-23
Jersey Airport	14 Nov	19	290	43	1906	290	63	15-23
NORTHERN IRELAND								
Orlock Head	14 Jan	04	010	47	0418	010	63	0-20
	21 Jan	03	120	45	0348	120	66	0-5
	25 Jan	20	330	47	1954	330	71	19-23
	26 Jan	00	330	42	0054	330	63	0 1
	31 Mar	03	170	43	0354	170	66	0-6
	11 Nov	22	290	48	2206	290	76	21-23
	14 Nov	18	310	45	1124	300	75	6-22
	24 Nov	06	340	42	1206	340	66	0 5-9 17
	4 Dec	07	140	43	0742	140	61	6-12
	7 Dec	13	110	43	1354	120	58	1-15 17-19 21-23
	28 Dec	05	010	41	0524	010	63	2-14

Table 10 Highest and lowest maximum and minimum temperature during 1977 at each station

District and Place	highest maximum and date		highest minimum and date		lowest maximum and date		lowest minimum and date	
0 SCOTLAND N								
Baltasound	Jul 5	21.6	Aug 2	11.4	Jan 13	0.3	Jan 14	−5.3
Fair Isle	Aug 13	17.8	Aug 15	12.3	Jan 28	1.7	Mar 27	−2.7
Lerwick								
Psychrometer	Jul 6	20.5	Aug 15	12.8	Jan 1	0.2	Jan 13	−4.8
Screen	Jul 6	21.0	Aug 15	12.8	Jan 1	0.4	Jan 13	−4.5
Kirkwall Airport	Jul 4	22.0	Aug 2	13.6	Dec 7	1.6	Jan 29	−4.2
Weyland	Jul 4	22.1	Aug 2	13.4	Feb 12	2.2	Nov 20	−3.7
Benbecula	Jul 7	22.9	Aug 14	14.1	Jan 1	1.4	Dec 9	−4.5
Stornoway	Aug 12	22.5	Aug 16	14.1	Jan 1	0.9	Jan 12	−5.8
Achany	Jul 5, 6	27.3	Aug 2	13.7	Jan 12	−6.0	Jan 12	−11.5
Achnashellach	–	–	–	–	Jan 1	−1.3	Jan 2	−7.4
Balmacara	Jul 7	25.5	Aug 14	16.4	–	–	–	–
Cape Wrath	Aug 11	21.4	Aug 13	14.4	Jan 1	1.4	Apr 6	−4.3
Cassley	Jul 6	26.5	Jul 7, Aug 2	14.5	Jan 12	−3.0	Jan 12, 13, 29	−8.0
Corpach	Jul 7	29.9	Aug 16	14.5	Jan 12	−1.6	Jan 2	−6.5
Craigdarroch	Jul 5	29.4	Aug 2	14.6	Jan 17	−2.4	Jan 2	−8.7
Dalcross	Jul 5	25.5	–	–	–	–	–	–
Dalwhinnie	Jul 6	26.7	Aug 2	13.4	Jan 12	−7.0	–	–
Diabaig	Jul 4	24.9	Oct 16, 18	15.0	Jan 1	1.4	Jan 12	−2.8
Dounreay	Jul 5	27.0	Jul 4	13.5	Jan 11	2.0	–	–
Fort Augustus	Jul 4	27.9	Aug 15	15.8	Nov 27	−1.2	Jan 12, 17	−7.6
Fortrose	Jul 5	22.5	Aug 2	15.5	Jan 12	0.0	Feb 13	−3.5
Glenmore Lodge	Jul 10	28.2	Aug 2	15.2	Jan 12	−5.7	Jan 13	−13.8
Grantown-on-Spey	Jul 6	28.2	Aug 2	15.0	Jan 12	−6.3	Jan 17	−14.1
Heaste	Jul 5	24.7	–	–	–	–	Jan 13	−5.1
Inverness	Jul 4	26.1	Aug 15	15.0	–	–	Feb 12, 13	−4.8
Inverpolly	–	–	–	–	–	–	Jan 12	−6.2
Isle of Rhum	Jul 5	24.5	–	–	–	–	Jan 12	−5.1
Keiss	Aug 1	22.5	Aug 2	13.7	Jan 1	1.4	Jan 29	−5.0
Knockanrock	–	–	–	–	–	–	Feb 12	−6.9
Laggantia	Jul 6	27.9	Aug 2	15.0	Jan 12	−7.0	Jan 17	−18.7
Lairg	Jul 8	27.5	Aug 2	14.1	Jan 12	−4.4	Jan 17	−11.1
Lentran	Jul 4	26.0	–	–	Jan 12	−2.1	Feb 13	−6.6
Nairn	Jul 5	24.2	Aug 2	15.6	Jan 12	−1.6	Jan 13	−8.6
Onich	Jul 11	30.0	Aug 14, 16	15.0	Jan 12, Nov 20	0.0	Jan 2	−8.0
Poolewe	Aug 13	25.3	Aug 14, 15	15.1	Jan 13	1.6	Jan 13	−5.3
Prabost	Jul 7	25.0	Aug 11	13.9	Jan 1	0.5	Jan 12	−5.2
Rubh Re	Aug 13	24.4	Aug 13	16.2	–	–	–	–
Strathconon	Jul 6	28.2	–	–	–	–	Jan 17	−9.3
Tarbatness	Aug 1	21.5	Aug 2	15.2	Jan 12	−0.1	Jan 17	−4.0
Tomatin	–	–	–	–	Jan 12	−5.9	Jan 17	−11.7
Torridale	Jul 7	24.8	Aug 2	15.5	Jan 12	−1.7	Jan 13	−7.2
Wick	Aug 1	21.9	Aug 1	14.9	Jan 2	0.9	Mar 1	−5.6
1 SCOTLAND E								
Aberdeen Dyce								
Airport	Jul 6	24.9	Jul 23	15.8	Jan 11	0.3	Feb 13	−11.3
Mannofield	Jun 3	23.8	–	–	–	–	Feb 13	−7.4
Balmoral	Jul 6	27.4	Aug 1	14.8	Jan 12	−3.9	Jan 17	−16.4
Banchory	Jul 6	26.7	Aug 1	16.6	Jan 12	−0.7	Jan 18	−8.0
Banff	Jul 6	26.2	Aug 2	16.5	Jan 12	−0.6	Feb 13	−7.1
Braemar	Jul 11	27.7	Aug 2	15.3	–	–	Jan 18	−17.8
Clashnoir	Jul 6	26.7	Aug 2	14.1	Jan 12	−6.8	Jan 13	−12.4
Craibstone	Jun 3	24.3	Aug 2	14.9	Feb 12	−0.2	Feb 13	−7.6
Culterty	Aug 1	23.8	Aug 2	14.5	Jan 12	0.4	Feb 13	−9.7
Elgin	Jul 4	26.5	Aug 2	16.0	Jan 12	−1.9	Jan 13	−9.5
Forehill	Aug 1	23.0	Aug 2	14.6	Jan 12	0.5	Jan 13	−6.8
Forres	Jul 5	28.5	Aug 2	16.2	Jan 12	−1.9	Feb 13	−11.1
Fraserburgh	Jul 5	22.6	Aug 2	14.9	Feb 12	1.8	Feb 1, Mar 27	−1.5
Fyvie Castle	Jul 4	25.5	Aug 2	15.5	Jan 12	−2.0	Feb 13	−14.0
Gartly	Jul 6	27.6	Aug 2	15.4	Jan 12	−2.9	Jan 13	−13.5
Glenlivet	–	–	–	–	Jan 12	−5.9	Jan 13	−14.5
Inverurie	Jul 4	25.4	Aug 2	14.8	Jan 12, 17	−0.1	Feb 13	−12.9
Keith	Jul 6	27.5	Aug 2	15.3	Jan 12	−6.5	Feb 13	−15.6
Kinloss	Jul 5	28.4	Aug 1	16.0	Jan 12	−2.0	Feb 13	−11.1
Lossiemouth	Jul 5	28.5	Aug 1	16.0	Jan 12	−1.8	Jan 13	−8.7
Arbroath	Jun 3	25.5	Aug 1, 2	14.5	Jan 12	0.1	Jan 17	−5.0
Ardtalnaig	Jul 7	29.1	Aug 2	15.5	Nov 27	−1.5	Jan 17, 18	−7.2
Drummond Castle	Jul 7	28.1	Aug 2	15.3	Jan 12	−1.4	Jan 12	−8.5
Dundee	Jun 3	26.1	Aug 2	15.8	Jan 12	0.1	Jan 13	−6.1
Fakaily	Jul 7	29.0	Aug 1	15.6	Jan 12	−5.6	Jan 12	−11.5
Kindrogan	Jul 7	27.7	Aug 1	13.8	Jan 31	−2.7	Jan 17	−12.0
Kinross	Jul 8	26.6	Aug 1	14.5	Jan 12	−1.0	Jan 17	−10.5
Montrose	Aug 1	25.1	Aug 2	14.5	Jan 11	−0.2	Jan 17	−5.1
Mylnefield	Aug 1	25.3	Aug 2	15.6	Jan 12	−1.1	Jan 12, 13	−7.0
Perth	Jul 7	28.7	Aug 2	16.4	Jan 12	−2.3	Jan 12	−8.9
Strathallan	Jul 7	28.1	Aug 2	15.5	Jan 12	−1.7	Jan 12	−8.2
Usan	Aug 1	25.3	Jul 23	14.0	Jan 11	0.5	Feb 1	−4.2
Whitehillocks	Jul 6	25.8	Aug 2	15.0	Jan 11, Feb 12	−1.2	Jan 17	−10.3
Balliston	Jun 3	24.6	Aug 1, 15	14.7	Jan 12	−0.8	Jan 13	−5.2
Cupar	Jul 4	25.5	Aug 1	16.1	Jan 12	−1.6	Jan 17	−8.4
Glenrothes	Jul 7	24.7	Aug 2	13.4	Jan 12	−0.8	Jan 17	−8.5
Leuchars	Jun 3	25.6	Jul 23	15.4	Jan 12, 17	−1.4	Jan 13	−11.6
Pitreavie	Jul 7	25.3	Aug 2	16.0	Nov 30	−0.6	Jan 12, 17	−5.5
St Andrews	Jun 3	25.3	Aug 1	15.9	Jan 12	−1.0	Jan 13	−5.5
Blackburn								
Sewage Works	–	–	–	–	–	–	–	–
Bush House	Jul 7	26.1	Jul 23, Aug 15	14.0	Jan 11	0.0	Jan 13	−8.8
Dunbar	Aug 1	24.5	Aug 2	15.4	Jan 12	−0.9	Jan 14	−6.0
Edinburgh								
East Craigs	Jul 7	26.2	Aug 1	14.9	Jan 12	−1.1	Nov 28	−7.5
Royal Botanic Gardens	Jul 7	24.5	Aug 1, 2	15.4	Jan 12	−0.4	Jan 17	−6.5
Roy Obs								
Blackford H	Jul 7	26.0	Aug 2	15.0	Jan 12	−0.7	Jan 13	−5.2
Turnhouse Airport	Jul 7	24.9	Jul 23	15.9	Jan 12	−1.1	Nov 28	−7.8
Haddington	Jul 5	26.4	Aug 2	15.8	Jan 12	−0.9	Jan 13	−11.0
Livingston	Jul 7	29.0	Jul 23	14.8	Jan 12	−1.5	Jan 17	−11.2
Nunraw Abbey	Jul 7	25.0	Jul 6	16.0	Jan 12	−1.8	Jan 13	−8.2
Pathhead	Jul 7	26.6	Jul 5	15.0	Jan 12	−1.5	Jan 13	−11.3
Penicuik	Jul 7	27.2	Aug 1	14.5	Jan 12	−1.8	Jan 12	−9.5
Blyth Bridge	Jul 7	27.4	Aug 15	14.1	Jan 11, 12	−3.2	Jan 17	−12.8
Blythe	Jul 7	26.7	Aug 1	13.6	Jan 11	−1.5	Jan 13	−11.0
Bonchester Bridge	Jul 6	27.1	–	–	Jan 12	−2.8	Jan 13	−12.0
Bowhill (Selkirk)	Jul 7	28.7	Jul 23	14.5	Jan 12	−2.0	Jan 12	−10.8
Floors Castle	Jul 7	26.7	Aug 1	15.6	Jan 12	−4.4	Jan 12	−8.3
Galashiels	Jul 7	26.2	Jul 23	14.4	Jan 12	−3.0	Jan 12	−9.3
Glentrees	Jul 7	29.0	Aug 15	15.0	Jan 12	−4.0	Jan 12	−14.0
Greycrook	Jul 4, 7	27.0	Jul 23	15.1	Jan 12	−5.0	Jan 12	−13.2
Kelso	Jul 4	28.2	Jul 23	15.9	Jan 12	−4.0	Jan 12, 14	−7.9
Leitholm	Jun 3	25.6	Jul 23	14.5	Jan 12	−5.4	Jan 12	−10.5
St Abbs Head	Jun 3	24.0	Jul 23	15.5	Jan 12	0.4	Jan 13	−3.4
Stanhope Farm	Jul 7	28.3	Aug 15	14.2	Jan 12	−8.5	Jan 13	−13.9
West Linton	Jul 7	27.5	Aug 16	13.8	Jan 12	−2.5	Jan 17	−14.5
Whitchester	Jul 7	24.1	Aug 1	13.3	Jan 11	−1.4	Jan 13	−10.0
6 SCOTLAND W								
Achaglachgach	Jul 7	27.0	Aug 2, 14, 15	14.4	Jan 12	0.8	–	–
Aros	Jul 8	27.5	Aug 1, 15	14.1	–	–	–	–
Auchincruive	Jul 5	27.4	Jul 5	16.4	Jan 11	−0.8	Jan 13	−7.1
Barrhead	–	–	–	–	–	–	–	–
Benmore (Younger Botanic garden)	Jul 7	28.2	Aug 16	15.0	Jan 12	−1.0	Jan 13	−6.8
Brodick Castle	Jul 7	26.6	Aug 15	15.1	Jan 12	1.1	Jan 12	−4.5
Camps Reservoir	Jul 7	27.8	Aug 2, 15	13.8	Jan 12	−5.6	Jan 13	−15.2
Carnwath	Jul 7	28.8	Jul 23	14.1	Jan 12	−3.3	Jan 17	−16.7
Colonsay	Jul 4	25.7	Jul 6	15.0	Jan 12	2.0	Feb 26	−4.1
Crawfordjohn	Jul 7	28.4	–	–	–	–	Jan 13	−15.0
Cumnock	–	–	Aug 1	14.5	Jan 11	−1.4	Jan 11	−9.8
Dunstaffnage	Jul 7	26.3	Aug 14	14.9	Jan 12	0.3	Jan 29	−5.9
East Kilbride	Jul 7	28.3	Jul 5	16.4	Jan 12	−2.6	Jan 12	−9.6
Finnart	–	–	–	–	–	–	–	–
Girvan	Jul 10	26.8	Jul 5	16.5	Jan 12	0.4	Jan 13	−6.3

District and Place	highest maximum and date		highest minimum and date		lowest maximum and date		lowest minimum and date	
6 SCOTLAND W — Cont.								
Glasgow Abbotsinch								
Airport	Jul 7	29.2	Aug 1	15.9	Nov 28	−2.6	Jan 12	−9.5
Springburn Park	Jul 7	29.6	Jul 5	15.4	Jan 12	−3.0	–	–
Weather Centre (X)	Jul 7	29.6	Jul 5	18.1	Nov 28	−1.3	Jan 12	−5.6
Greenock	–	–	–	–	–	–	–	–
Helensburgh	Jul 7	27.5	Aug 15	14.1	Nov 28, 30	0.0	Jan 13	−6.8
Hunterston	Jul 10	27.0	Aug 14, 16	15.2	Jan 12	1.4	Jan 14	−6.8
Kildonan	Jul 10	25.8	Jul, 5, 6, Aug 14 Aug 15	14.2	Jan 12	2.0	Jan 2, 13, 29	−3.0
Knapdale Forest	–	–	Aug 1, 15	14.5	Jan 12	−2.3	Jan 12	−9.6
Lanark	–	–	–	–	–	–	–	–
Leadhills	Jul 7	27.0	Aug 2, 15	12.8	Jan 11	−1.8	Jan 13	−11.4
Machrihanish	Jul 7	24.6	Aug 15	15.2	Jan 13	1.4	Jan 2	−5.4
Millport	Jul 10	26.0	Jul 5, Aug 14	15.3	Jan 12	2.2	Mar 28, 29	−6.5
Paisley	Jul 7	30.0	Jul 8	16.4	Nov 28	−2.0	Jan 12	−6.6
Prestwick	Jul 11	27.5	Jul 23	16.6	Jan 13	−0.9	Jan 13	−7.5
Rhuvaal	Jul 7	23.0	Aug 13, 16	14.5	Jan 13	2.5	Jan 13	−1.6
Rothesay	Jul 7	28.0	Jul 5	15.5	Jan 12	0.0	Jan 2, 13, 29	−2.5
Sloy	Jul 7	28.1	Aug1, 2	15.4	Jan 12	−1.4	Jan 12	−7.4
Stronachullin	Jul 7	26.4	Aug 14	14.5	Jan 12	1.2	Jan 12	−5.1
Tiree	Jul 6	22.5	Aug 16	14.9	Jan 13	1.9	Jan 28	−2.4
Arrochymore	Jul 7	28.0	Aug 2	15.8	Nov 30	0.1	Jan 12	−8.4
Callander	Jul 7	28.2	Aug 1	14.5	–	–	Jan 31	−8.1
Earls Hill	Jul 7	26.8	Jul 5	13.8	Jan 12	−2.2	Jan 3	−7.4
Falkirk	Jul 7	27.2	Aug 2	16.5	Jan 12, Nov 28	−1.0	Jan 12	−7.9
Grangemouth	Jul 7	28.5	Jul 23, Aug 1, 2	15.5	Jan 12	−1.0	Jan 12	−6.5
Parkhead	Jul 7	29.2	Aug 1	15.8	Nov 30	−2.1	Jan 12	−8.6
Stirling (Batterflats)	Jul 7	29.5	–	–	–	–	Jan 17	−8.2
Bargrennan	Jul 7	29.1	Aug 1	14.6	Jan 13, 14	1.8	Jan 29	−9.0
Clatteringshaws	Jul 7	27.4	Aug 1	14.4	Jan 1, 12	0.4	Jan 13	−9.6
Dumfries	Jul 7	29.0	Aug 14	15.2	Jan 2, 31	0.9	Jan 13	−8.3
Dundeugh	Jul 7	29.1	Aug 14	15.1	Jan 2	−2.1	Jan 13	−12.2
Eskdalemuir								
Psychrometer	Jul 7	27.8	Jul 23	14.7	Jan 31	−2.0	Jan 3	−13.0
Screen	Jul 7	28.6	Jul 23	14.9	Jan 31	−1.6	Jan 3	−13.0
Girdstingwood	–	–	–	–	–	–	–	–
Glenlee	Jul 7	30.0	Jul 23	14.7	–	–	Jan 13	−10.8
Glenlochar Barrage	Jul 7	28.7	Jul 8	15.8	Jan 2	−0.2	Jan 13	−7.7
Palnure	Jul 7	28.0	Jul 5	16.5	Nov 29	1.8	Jan 12	−7.4
Penwhirn	Jul 7	25.5	Aug 15	14.0	Jan 12	0.0	Jan 12, 13	−9.0
Threave	Jul 7	29.2	Jul 8	16.6	Jan 12	−0.9	Jan 13	−8.9
2 ENGLAND E & NE								
Boulmer	Aug 1	24.0	Jul 23	16.0	Jan 12	−1.4	Jan 13	−9.0
Cockle Park	Aug 1	26.2	Jul 23	14.7	Jan 12	−1.7	Jan 12, 13	−9.0
Haydon Bridge	Jul 4	27.6	Jul 23	15.8	Jan 12	−5.3	Jan 13	−15.7
Kielder Castle	Jul 7	26.9	Aug 2, 15	14.0	Jan 12	−3.6	Jan 13	−14.3
Lethamhill Farm	Jul 7	25.6	–	–	–	–	Jan 13	−12.4
Redesdale	Jul 7	24.5	Aug 2, 15	13.2	Jan 12	−5.4	Jan 13	−12.3
Seahouses	Aug 1	24.0	Jul 23	16.1	Jan 12	−1.6	Jan 13	−7.6
Stonehaugh	Jul 4	26.0	Jul 23	15.2	Jan 12	−3.0	Jan 13	−13.9
Chopwellwood	Jul 4, 7	26.0	Aug 1	15.0	Jan 11, 12	0.0	Jan 13	−9.0
Newcastle Weather Centre (X)	Jul 4	26.0	Jul 23	16.7	Jan 12	0.2	Jan 13	−7.5
Tynemouth	Aug 1	25.2	Jul 23	16.2	Jan 11	−0.4	Jan 13	−6.2
Washington	Aug 1	25.1	–	–	–	–	Jan 14	−8.7
Stonehaugh	Jul 4	26.0	Jul 23	15.2	Jan 12	−3.0	Jan 13	−13.9
Chopwellwood	Jul 4, 7	26.0	Aug 1	15.0	Jan 11, 12	0.0	Jan 13	−9.0
Newcastle Weather Centre (X)	Jul 4	26.0	Jul 23	16.7	Jan 12	0.2	Jan 13	−7.5
Tynemouth	Aug 1	25.2	Jul 23	16.2	Jan 11	−0.4	Jan 13	−6.2
Washington	Aug 1	25.1	–	–	–	–	Jan 14	−8.7
Durham	Jul 7	25.8	Jul 23	15.3	Jan 12	0.9	Jan 13	−9.8
Low Etherley	Jul 4	26.2	Jul 23	15.5	Jan 12	−3.2	Jan 13	−10.3
Widdybank Fell	Jul 4	23.6	Jul 23	12.2	–	–	–	–
Hartburn Grange	Jul 4	26.3	Jul 23	16.1	Jan 12	−0.7	Jan 13	−10.6
Hartlepool	Aug 1	25.0	Jul 23	17.0	Jan 12	0.4	Jan 13	−6.3
Askham Bryan	Aug 1	26.7	Jul 23	15.9	Jan 12	−2.1	Jan 12	−7.5
Cawood	Aug 1	27.0	Jul 23	17.0	Jan 12	−2.0	Jan 12	−6.0
High Mowthorpe	Aug 1	26.0	Jul 23	15.9	Jan 29	−1.5	Jan 12	−7.0
Leeming	Aug 1	27.1	Jul 23	17.7	Jan 12	−1.8	Jan 13	−7.6
Malham Tarn	Jul 7	24.0	–	–	Jan 12	−0.9	Jan 12	−7.4
Pickering	Aug 1	27.0	Jul 23	15.8	Jan 12	−3.0	Jan 30	−10.8
Scarborough	Aug 2	24.9	Jul 23	15.2	Jan 30	1.8	Jan 12	−5.2
Silpho Moor	Jul 4, Aug 2	23.8	Jul 23	15.7	Jan 11	0.3	Jan 13	−7.0
Snaizeholme	Jul 4, 7	24.0	Aug 15	13.7	Jan 11	−0.5	Jan 12	−11.5
Whitby	Jul 4	25.5	Jul 23	15.4	Jan 12	−3.2	Jan 13	−8.2
Whitby (Coastguard)	Jul 4	24.3	Jul 23	16.9	Jan 12	−2.0	Jan 13	−7.2
York (Heslington)	Aug 1	27.4	Aug 14	14.6	Jan 12	−1.5	Jan 12	−6.0
Bridlington	Sep 11	22.6	Jul 23	15.2	Jan 12	−1.0	Jan 30	−7.6
Brigg	–	–	–	–	–	–	–	–
Cleethorpes	Jul 3	26.0	Jul 23	17.0	–	–	Jan 12	−4.0
Hull	Aug 1	26.7	Jul 23	17.1	Jan 12	2.4	Jan 12	−5.5
Binbrook	Aug 2	24.9	Jul 23	16.9	Jan 12	−1.0	Feb 2	−7.1
Caistor	Aug 2	26.3	Jul 23	16.9	Jan 12	−0.7	Jan 13	−5.8
Cranwell	Aug 1	25.8	Jul 23	16.1	Jan 12	−0.2	Jan 30	−6.2
Kirton	Jul 3	26.3	Jul 23	16.3	Jan 11	0.2	Feb 2	+5.4
Lincoln	Aug 1	26.5	Jul 23	17.2	Jan 12	−0.2	Nov 30	−5.7
Skegness	Jul 23	25.1	–	–	–	–	Jan 30	−3.5
Sutton Bridge	Jul 23, Aug 2	26.8	Jul 23	15.6	Jan 12	0.5	Feb 2	−3.7
Waddington	Aug 2	26.6	Jul 23	17.3	Jan 12	−0.5	Feb 2	−6.9
3 EAST ANGLIA								
Coltishall	Jul 23	26.2	Jul 23	18.4	Jan 17	0.2	Jan 12	−6.2
Cromer	Aug 2	26.2	Jul 23	15.2	Jan 12, Feb 1	2.2	Jan 12	−3.7
Gorleston	Jul 23	26.7	Jul 23	15.6	Jan 11	0.7	Jan 12	−5.2
Marham	Aug 2	27.5	Jul 23	17.5	Jan 17	−0.4	Jan 30	−5.9
Morley St Botolph	Aug 2	26.7	Jul 23, 24	15.7	Jan 12	−0.4	Jan 30	−4.8
Santon Downham	Jul 3	27.3	Jul 23	16.1	Jan 12	−0.1	Jan 30	−8.6
Scole	Jul 3	27.9	Jul 23	16.3	Jan 12	0.2	Jan 4	−5.4
Terrington St Clement	Jul 4	25.7	Aug 3	15.7	Jan 12	0.9	Jan 30	−3.6
Boxworth	Aug 2	25.8	Jul 23	16.0	Jan 12	−0.7	Jan 30	−4.6
Cambridge Botanic Garden	Jul 4	27.3	Jul 23	16.6	Jan 12	−0.4	Jan 30	−6.5
NIAB	Jul 3	26.3	Jul 23	15.5	Jan 12	−0.4	Jan 31	−5.5
March	Jul 4, Aug 2	26.7	Jul 23	16.1	Jan 12	0.3	Feb 28	−5.0
Mepal	Aug 2	26.7	Jul 23	15.8	Jan 12	0.0	Apr 10	−5.4
Wittering	Aug 1	26.0	Jul 23	16.0	Jan 12	−0.1	Feb 1	−6.0
Wyton	Jul 4	26.6	Jul 23	17.5	Jan 12	−0.2	Feb 28	−4.5
Aldeburgh	–	–	–	–	–	–	–	–
Brooms Barn	Jul 6	27.1	Jul 23	15.5	Jan 12	−0.5	Jan 30	−3.8
East Bergholt	Jul 6	29.6	Jul 24	16.5	Jan 12	1.0	Jan 4	−5.5
Haughley	Jul 23	26.8	Jul 24	15.7	Jan 12	0.1	Jan 30	−5.0
Honington	Jul 6	27.6	Jul 23	17.6	Jan 12	−0.1	Jan 30	−5.3
Lowestoft	Jul 23	26.9	Jul 23	17.0	Jan 11	0.7	Jan 12, 13	−5.5
Wattisham	Jul 23	27.3	Jul 24	15.7	Jan 30	−0.3	Jan 30	−5.9
Cardington	Jul 3	27.0	Jul 23	16.5	Jan 12	−0.3	Jan 30	−6.0
Luton	Jul 5	26.4	Jul 23, Aug 3	15.5	Jan 12	−1.4	Jan 30	−3.5
Silsoe	Jul 6	26.2	Jul 23	16.5	Jan 12	−0.6	Jan 30	−6.4
Woburn	Jul 3	26.2	Jul 23	15.8	Jan 12	−0.6	Jan 30	−6.2
Aldenham School	Jul 3	28.3	Jul 23, Sep 28	15.8	Jan 12	−0.2	Jan 4	−5.2
Garston	Jul 3	26.9	Jul 23	15.3	Jan 12	0.3	Jan 30	−5.6
Hoddesdon	Jul 6	28.6	Sep 2	15.4	Jan 12	0.2	Jan 4	−6.2
Rothamsted	Jul 3	26.3	Jul 23	14.6	Jan 12	−0.4	Jan 30	−4.9
St Albans	Jul 3	26.5	Jul 23	15.6	Jan 12	0.0	Jan 30	−4.4
Stanstead Abbotts	–	–	–	–	–	–	–	–
Clacton-on-Sea	Jul 23	24.4	Sep 2	16.0	–	–	–	–
Halstead	Jul 4, 23	26.8	Jul 24	15.7	Jan 12	−0.2	Jan 13	−6.1
Harlow	Jul 6	28.0	–	–	–	–	–	–
Little Parndon	Jul 3, 6	26.6	Jul 23	15.6	Jan 12	−0.1	Jan 4	−6.6
Maldon	–	–	–	–	–	–	–	–
Shoeburyness	Jul 23	26.5	Jul 23	18.0	Feb 1	1.3	Feb 2	−5.5
Stanford-le-Hope	Jul 6	27.5	Jul 24	16.5	Jan 12	0.5	Jan 4, 13	−5.0
Stansted	Jul 6	27.6	Jul 23	16.9	Jan 12	−0.1	Jan 30	−6.7
Writtle	Jul 6	27.3	Jul 23	15.5	Jan 12	0.2	Jan 13	−5.7

Table 10 (continued)

District and Place	highest maximum and date		highest minimum and date		lowest maximum and date		lowest minimum and date	
4 MIDLAND COUNTIES								
Bradford	Jul 7	25.5	Jul 23	16.4	Jan 12	−1.1	Jan 12	−6.1
Bramham	Jul 7, Aug 1	25.7	Jul 23	15.7	Jan 12	−1.7	Jan 12	−6.0
Huddersfield								
Oakes	Jul 7	26.8	Jul 23	15.8	Jan 12	−1.0	Jan 13	−6.0
Ravensknowle	Jul 7	26.5	Jul 23	17.2	–	–	Jan 17	−6.1
Ilkley	Jul 7	26.5	Aug 16	15.0	Jan 12	−0.5	Jan 30	−6.2
Todmorden	Jul 7	26.7	Sep 11	14.6	Jan 12	−0.6	Jan 17	−6.6
Pontefract	Jul 7	26.1	Jul 23	14.9	Jan 12	−1.1	Jan 12, 30	−4.4
Wilsden	Jul 4	26.0	Jul 23	14.6	Jan 12	−0.9	Feb 26	−7.6
Finningley	Aug 1	27.8	Jul 23	16.4	Jan 12	−0.3	Jan 30	−6.1
Sheffield								
Dore	Aug 1	27.0	Aug 2	15.2	Jan 12	−0.3	Jan 30	−7.2
Weston Park	Aug 1	26.8	Jul 23	16.0	Jan 12	−0.5	Jan 30	−4.2
Ashover	Jul 7	26.7	Jul 23	14.7	Jan 12	−0.5	Jan 30	−6.8
Buxton	–	–	–	–	Jan 12	−2.8	Jan 17	−8.7
Derby	Jul 4, 7	26.9	Aug 14	15.3	Jan 12	−0.2	Jan 30	−6.3
Morley	–	–	–	–	–	–	Jan 30	−6.3
Wingerworth	Jul 7	26.7	Jul 23	15.8	Jan 12	−0.8	Jan 30	−8.5
Mansfield	Aug 1	26.5	Jul 23, Aug 2	15.5	Jan 12	−0.5	Jan 30	−5.0
Newthorpe	Jul 4	25.9	–	–	–	–	Jan 30	−9.6
Nottingham	Aug 2	26.5	Jul 23, Aug 14, 15 Aug 16	15.0	Jan 12	−0.5	Jan 30	−4.0
Sutton Bonington	Jul 4	25.7	Jul 23, Aug 15	15.0	–	–	Nov 29	−4.8
Wroxon	Aug 1	28.3	Jul 23	15.7	Jan 12	0.4	Jan 30	−9.9
Watnall	Jul 4, Aug 1	26.3	Jul 23	16.5	Jan 12	−0.5	Jan 30	−5.3
Keele	Jul 7	26.5	Jul 4	15.2	Jan 11	−1.1	Jan 17	−5.1
Oaken	Jul 7	27.0	Jul 23	15.0	Jan 12	−0.7	Jan 17	−5.5
Penkridge	Jul 7	26.2	Jul 23	14.9	Jan 12	−0.6	Jan 3	−7.7
Stone	Jul 7	26.8	Jul 23, Aug 15	14.5	Jan 12	−0.6	Jan 3	−5.9
Caldecott	Jul 3	26.4	Jul 23	16.5	Jan 12	0.0	Feb 2	−7.9
Newtown Linford	Jul 4	26.6	Jul 23	14.8	Jan 12	−0.5	Jan 30	−7.3
Hampton Loade	Jul 7	26.6	Jul 23	16.0	Jan 11, 12	1.0	Jan 3	−5.6
Newport	Jul 7	27.7	Jul 23	15.4	Jan 12	−0.6	Jan 12	−5.8
Oswestry	Jul 7	26.3	–	–	Jan 12	−0.7	Nov 27	−5.5
Preston Montford	Jul 4, 7	26.2	Jul 23	16.3	Jan 12	−1.0	Jan 17	−5.7
Shawbury	Jul 4	27.0	Jul 23	15.6	Jan 12	−0.8	Jan 30	−8.1
Shrewsbury	Jul 4, 7	26.9	Jul 23	17.2	Jan 12	−0.8	Jan 30	−5.3
Birmingham								
Edgbaston	Jul 4	26.3	Jul 23	16.0	Jan 12	−0.7	Jan 13	−3.7
Elmdon Airport	Jul 7	26.0	Jul 23	16.1	Jan 12	−0.7	Jan 3	−5.8
King Edward School	Jul 7	26.1	Jul 5, Aug 16	14.9	Jan 2	1.2	Jan 30	−5.4
Coventry Airport	Aug 1	26.3	Jul 23	15.2	–	–	Jan 30	−6.9
Long Lawford	–	–	–	–	–	–	–	–
Luddington	Jul 4	26.8	Aug 16	15.2	Jan 12	−0.4	Jan 30	−6.0
Moreton Morrell	Aug 1	26.0	Jul 24	15.9	Jan 12	−0.5	Jan 30	−6.0
Rugby	Aug 3	26.2	–	–	Jan 12	−0.5	Jan 3	−5.3
Shipston-on-Stour	Jul 4	25.9	Jul 23, Sep 2	14.6	Jan 12	−0.9	Jan 17	−4.1
Stratford-upon-Avon	Jul 4	26.7	Jul 23, Aug 16	15.3	Jan 12	−0.3	Jan 30	−7.6
Wellesbourne	Jul 4	26.6	Jul 23, Aug 16, Sep 2	15.2	Jan 12	0.0	Jan 30	−5.2
Bugbrooke Mills	Jul 4	26.6	–	–	–	–	Jan 30	−5.6
Moulton Park	Jul 4	25.6	Jul 23	15.7	Jan 12	−0.6	Jan 30	−5.1
Raunds	Aug 1	27.0	Jul 23	16.6	Jan 12	−0.5	Jan 30	−5.9
Astwood Bank	Jul 7	26.5	Jul 23, Aug 16	14.9	Jan 12	−1.1	Jan 3	−5.7
Hereford	Jul 7	27.7	Aug 14	15.9	Jan 12	−0.1	Jan 3	−5.8
Lyonshall	Jul 3, 7	26.0	Jul 23	16.0	Jan 12	−1.2	Jan 17, 30	−5.5
Malvern	Jul 7	26.9	Jul 5	15.8	Jan 12	−0.5	Jan 3	−4.6
Pershore								
College of Hort.	Jul 6	26.9	Aug 16	15.6	Jan 12	−0.3	Jan 3	−5.2
Royal Radar Est.	–	–	–	–	–	–	–	–
Preston Wynne	Jul 7	26.3	Jul 5	15.2	Jan 12	0.0	Jan 30	−5.2
Cheltenham	Jul 5	26.0	Jul 5	15.3	Jan 2	−0.1	Jan 3	−9.0
Innsworth	Jul 4, 6	27.0	Aug 14	16.0	Jan 12	0.6	Jan 3	−6.7
Benson	Jul 4	27.7	Jul 5, 23	15.8	Jan 12	−0.5	Jan 3	−4.6
Brize Norton	Jul 6	26.5	Jul 23	15.8	Jan 12	−1.2	Jan 30	−6.9
Letcombe Regis	Jul 5	26.9	Jul 23	15.1	Jan 12	−0.3	Feb 28	−5.6
Oxford	Jul 3	26.7	Jul 23	16.1	Jan 12	−0.1	Jan 30	−4.4
Shirburn								
(Model Farm)	Jul 4	26.4	Jul 23	15.5	–	–	Jan 30	−5.4
Wallingford	Jul 4, 5, 6	26.4	Jul 23	15.6	Jan 12	−0.4	Jan 3	−5.7
Aylesbury	Jul 4	27.3	Jul 23	15.6	Jan 12	0.1	Jan 4	−5.5
Grendon Underwood	Jul 4	26.3	Jul 23	15.3	Jan 12	−0.4	Feb 2	−8.0
Medmenham	Jul 5, 6	26.7	Jul 23	16.2	Jan 12	−0.2	Jan 17	−6.3
5 ENGLAND SE & CENTRAL S.								
Bromley	Jul 3, 6, 23	27.0	Jul 23, 24, Aug 3	16.0	Jan 12	1.0	Jan 4, 13, Feb 27, 28	−3.0
Enfield	Jul 6	28.3	–	–	–	–	Jan 17	−2.6
Greenwich	Jul 6	27.8	Aug 3	16.7	Jan 12	1.1	Jan 13	−4.0
Hampstead	Jul 3	26.6	Aug 3	15.7	Jan 12	−0.2	Jan 3	−3.0
Hampton	Jul 6	28.4	Jul 5, 24	16.2	Jan 12	1.3	Jan 4	−3.7
Harrow Weald	Jul 6	27.5	Aug 3, 14	14.5	Jan 30	1.5	Jan 30	−4.5
Heathrow Airport	Jul 6	28.6	Jul 23	16.6	Jan 12	1.4	Jan 4, 17	−4.5
Kensington Palace	Jul 3, 6	28.2	Jul 5, 23, Aug 3 Aug 14	16.1	Jan 12	1.3	Jan 17	−2.3
Kew								
Psychrometer	Jul 6	27.6	Jul 23	16.5	Jan 12	1.4	Jan 4	−5.6
N.W.S.	Jul 3	28.4	Jul 23	16.9	Jan 12	1.8	Jan 4	−3.8
London Weather Centre (X)	Jul 3	28.5	Aug 3	17.6	Jan 12	1.9	Jan 13	−2.1
St James Park	Jul 6	28.4	–	–	Jan 12	1.6	Jan 4	−3.0
Southgate	Jul 6	27.2	Aug 3	15.8	Jan 12	0.5	Jan 30	−3.5
Waddon	Jul 3	27.5	Jul 23, 24	16.0	–	–	Jan 3, 13	−4.5
Wealdstone	–	–	–	–	–	–	–	–
Boscombe Down	Jul 6	26.6	Jul 5	15.9	Jan 12	−2.6	Jan 30	−5.2
Lacock	Jul 3	26.4	Jul 23	15.0	Jan 2	1.4	Jan 30	−5.6
Larkhill	Jul 4	27.0	Jul 5	15.5	Jan 30	0.4	Jan 30	−6.1
Lyneham	Jul 5	26.4	Aug 14	15.4	Jan 12	−0.5	Jan 30	−5.4
Porton	Jul 6	26.3	Jul 5	15.2	Jan 30	0.5	Jan 30	−6.0
Trowbridge	Jul 5	28.4	Jul 23	15.8	Jan 30	1.2	Jan 3	−5.9
Upavon	Jul 5	26.8	Jul 5	15.6	Jan 12	−1.8	Jan 3	−4.7
Easthampstead	Jul 6	27.2	Aug 14	15.3	Jan 12	−0.3	Jan 4	−6.8
Hurley	Jul 6	26.7	Aug 14	15.3	Jan 12	−0.2	Jan 4	−5.1
Lambourn (Warren Farm)	Jul 5	25.6	Jul 5	14.7	Jan 12	−1.3	Jan 30	−6.2
Reading	Jul 6	26.9	Jul 23	15.7	Jan 12	0.8	Jan 13	−5.5
Shinfield (N.I.R.D.)	Jul 6	27.0	Aug 14	15.2	Jan 10	1.7	Jan 13	−4.9
Merrist Wood	–	–	–	–	–	–	Feb 27	−5.1
Mickleham	Jul 8	27.0	–	–	–	–	Jan 4	−6.3
Wisley	Jul 6	28.2	Jul 23	16.0	Jan 12	0.9	Jan 4	−5.2
Dover R.M.S.	Jun 13	24.0	Aug 17	15.1	Jan 10	1.5	Jan 13	−2.2
Dungeness	Jun13	22.1	Sep 6	16.1	Jan 10	2.5	Jan 4	−3.2
East Malling	Jul 3, 6	25.9	Aug 17	17.0	Jan 12	0.6	Jan 4	−4.6
Elmstone	Jul 23	25.8	Aug 17	16.8	Jan 10, 17	2.3	Jan 13	−5.1
Faversham	Jul 23	25.8	Aug 17	16.4	Jan 12	1.4	Feb 28	−3.8
Folkestone	Jun 13	26.2	Jul 5	15.9	Jan 10	2.2	Feb 2	−5.2
Gillingham	Jul 23	27.5	Aug 17	17.1	Jan 12	0.8	Mar 31	−4.9
Goudhurst	Jul 3	25.9	Aug 17	16.2	Jan 12	0.1	Jan 17	−6.4
Hadlow College	Jul 3	26.6	Aug 17	16.7	Jan 12	0.5	Jan 4	−5.3
Herne Bay	Jul 23	26.5	–	–	–	–	Jan 13	−5.0
Manston	Jul 23	25.6	Jul 23	17.1	Jan 10	1.7	Jan 4	−3.7
Margate	Jul 23	25.3	Aug 17	16.9	Jan 10	2.7	Jan 13	−1.4
Ulcombe	–	–	–	–	Jan 12	0.5	Jan 4	−6.1
Wye	Jul 3	25.8	Aug 17	15.5	Jan 12	1.6	Jan 4	−5.6
Alice Holt Lodge	Jul 6	26.6	Jul 5	15.5	Jan 12	−1.0	Jan 13	−6.6
Everton	Jul 6	27.6	Jul 8	16.3	Jan 10	1.7	Apr 10	−3.0
Hayling Island	–	–	–	–	Jan 10	2.4	Jan 11	−2.1
Leckford	Jul 3	26.2	Jul 5	14.6	Jan 10	0.8	Jan 12	−6.0
Long Sutton	Jul 6	26.4	Jul 4	15.8	Jan 10	0.9	Jan 13	−4.9
Martyr Worthy	Jul 6	27.8	Jul 23	16.1	Jan 10	0.9	Jan 12	−5.1
Southampton Mayflower Park	Jul 6	28.9	Jul 5	18.4	Jan 10	2.3	Jan 30	−3.5
Weather Centre (X)	Jul 5	28.9	Jul 5	18.6	Jan 12	−0.4	Jan 30	−3.6
Southsea	Jul 6	28.0	Jul 5	18.7	Jan 10	2.5	Jan 13	−2.4
Spartholt	Jul 3	27.4	Jul 5	15.7	Jan 10	1.2	Jan 12	−5.5
Ryde	Jul 4, 6	25.4	Jul 5	17.6	Jan 10	2.6	Jan 31	−3.1

District and Place	highest maximum and date		highest minimum and date		lowest maximum and date		lowest minimum and date	
5 ENGLAND SE & CENTRAL S. – cont.								
St Catherines Point	Jul 6	25.6	Jul 5	18.3	Jan 10	2.5	Jan 3	−1.1
Sandown	Jul 6	26.0	Jul 5	17.8	Jan 10	2.0	Jan 12	−6.0
Shanklin	Jul 6	25.2	Jul 5	16.4	Jan 10	1.2	Jan 12	−4.4
Ventnor	Jul 6	25.6	Jul 5	19.0	Jan 10	1.4	Jan 13	−3.3
Bognor Regis	Jul 6	27.3	Jul 5	18.4	Jan 10	2.0	Jan 13	−4.7
Gatwick Airport	Jul 3	27.2	Aug 17	16.0	Jan 12	−0.2	Jan 4	−6.5
Hurstpierpoint	Jul 6	27.8	Aug 17	16.3	Jan 10	1.0	Jan 4	−6.5
Littlehampton	Jul 6	27.6	Jul 5	17.6	Jan 10	1.5	Jan 4, 5	−3.8
North Heath	Jul 6	28.2	–	–	–	–	–	–
Rogate	Jul 6	27.0	Aug 17	16.9	–	–	–	–
Rustington	Jul 6	27.2	–	–	–	–	Jan 13	−5.9
Worthing	Jul 5	26.4	Jul 5	17.6	Jan 10	1.9	Jan 4	−4.1
Bexhill	Jul 5	26.3	Jul 5	17.9	Jan 10	1.5	Jan 4	−3.0
Brighton	Jul 5	27.4	Jul 5	18.9	Jan 10	2.5	Jan 13	−3.4
Eastbourne	Jul 6	25.7	Jul 5	17.3	Jan 10	1.7	Jan 4, 13	−2.5
East Hoathly	Jul 4	27.0	Jul 5	16.8	Jan 12	0.3	Jan 4	−6.0
Hastings	Jul 4	26.6	Jul 5	17.1	Jan 10	1.6	Jan 13	−3.0
Herstmonceux	Jul 4	26.2	Jul 5	16.5	Jan 12	0.2	Jan 4	−4.2
Plumpton	Jul 4	26.3	Aug 17	16.4	Jan 10	1.1	Jan 13	−5.5
7A ENGLAND NW & I.O.M.								
Carlisle	Jul 7	29.1	Jul 23	16.5	Jan 12	−3.4	Jan 13	−9.0
Cartmel	Jul 7	27.5	Jul 9	15.3	Jan 12	−1.6	Jan 12	−9.3
Grizedale	Jul 7	27.7	–	–	–	–	Jan 12	−9.5
Moor House	Jul 7	23.4	Jul 23	12.2	Jan 12	−6.3	Jan 13	−16.4
Newton Rigg	Jul 6	26.1	Jul 8	16.9	Jan 12	−4.8	Jan 13	−12.8
Sellafield	Jul 6	27.8	–	–	–	–	–	–
Hazelrigg	Jul 4	26.6	Jul 5	15.4	Jan 12	0.3	Jan 12	−7.0
Helmshore	Jul 4	25.5	–	–	Jan 12	−0.8	Jan 13	−6.7
Kirkham	Jul 7	27.0	Aug 14	15.5	Jan 12	−0.7	Jan 12	−6.5
Morecambe	Jul 6	27.2	Aug 14	16.7	Jan 12	−0.6	Jan 12	−5.9
Preston	Jul 7	27.6	Aug 14	15.6	Jan 12	−0.4	Jan 3	−5.8
Slaidburn	Jul 7	25.8	Sep 11	14.1	Jan 12	−0.6	Jan 12	−10.5
Squires Gate Airport	Jul 6	28.3	Jul 23	16.8	Jan 12	−1.1	Jan 12	−7.9
Stonyhurst	Jul 7	28.2	–	–	–	–	Jan 12	−7.5
Aigburth	Jul 4, 7	26.4	Jul 5	16.2	Jan 12	0.5	Nov 30	−4.0
Bidston	Jul 4, 5	26.2	Jul 5, 8	16.7	Jan 12	0.5	Jan 13, 14	−2.3
St Helens	Jul 7	28.1	Jul 23, Aug 14	15.5	Jan 12	0.0	Jan 12	−6.2
Southport	Jul 6	27.1	Aug 14	15.2	Jan 12	−1.9	Jan 12	−6.9
Speke Airport	Jul 7	27.9	–	–	–	–	–	–
West Kirby Park	Jul 4	27.6	Jul 5, 23	16.6	Jan 12	0.6	Jan 29	−3.9
Bolton	Jul 7	26.2	Aug 14	15.4	Jan 12	−0.2	Jan 30	−7.0
Manchester Ringway Airport	Jul 7	28.3	Jul 7, 8	16.0	Jan 11	0.1	Nov 30	−6.8
Weather Centre (X)	Jul 7	28.8	Jul 7	17.3	Jan 2	1.9	Jan 3	−2.8
Knutsford	Jul 7	28.5	Aug 14	15.2	Jan 12	0.4	Jan 3, Nov 30	−5.5
Macclesfield	Jul 4	26.8	Jul 5	15.6	Jan 2	0.0	Jan 3	−5.7
Ness Gardens	Jul 4, 7	26.9	Jul 23	16.4	Jan 12	−0.1	Jan 30	−3.7
Douglas	Jul 7	24.9	Jul 7	15.7	Jan 12	1.4	Jan 29	−2.5
Point of Ayre	Jul 7	23.9	Jul 23	16.9	Jan 13	2.0	Jan 2	−2.0
Ronaldsway Airport	Jul 6	24.8	Aug 16	15.3	Jan 13	1.1	Jan 29	−4.4
7B WALES N								
Aber	Jul 5	26.0	Aug 14	16.4	Jan 11, 12	2.5	Jan 13	−5.5
Bala	Jul 7	26.7	Jul 23	15.1	Jan 12	−0.9	Jan 30	−7.9
Bardsey Island	Jul 5	23.1	Aug 16	15.0	Jan 12	2.3	Jan 30	−0.8
Betws-y-Coed	–	–	Jul 5	15.4	–	–	Nov 30	−5.3
Botwnnog	–	–	–	–	–	–	Jan 12	−3.7
Cwmystradllyn	Jul 7	26.0	Jul 5	16.5	Jan 12	−0.5	Jan 11, 12, 13	−4.0
Llyn Alaw	Jul 5	27.0	Aug 14	15.5	Jan 12	1.5	Jan 13	−4.0
Pen-y-Ffridd	Jul 5	26.2	Aug 14, Oct 19	15.5	Jan 12	1.9	Jan 12	−5.5
Trawsfynydd	–	–	–	–	–	–	Jan 13	−6.2
Valley	Jul 7	27.4	Aug 14	16.1	Jan 13	1.0	Jan 13	−4.2
Aiwen	Jul 7	26.0	Jul 23	13.7	Jan 12	−2.0	Jan 12, 17	−10.4
Bwlchgwyn	–	–	–	–	–	–	Jan 12	−7.0
Colwyn Bay	Jul 4	26.4	Sep 11	16.4	Jan 12	0.3	Jan 13	−4.1
Corwen	Jul 7	26.5	Jul 23	15.0	Jan 12	−7.0	Jan 17	−8.3
Hawarden Bridge	Jul 7	28.3	Sep 28	15.1	Jan 12	0.2	Nov 30	−4.7
Loggerheads	Jul 7	25.7	Jul 23	15.2	Jan 12	−1.2	Jan 13, 29	−9.4
Prestatyn	Jul 4	27.9	Jul 5, 23	16.5	Jan 12	1.0	Jan 12	−3.1
Ruthin	Jul 7	27.0	Jul 23, Aug 2	16.0	Jan 12	0.0	Jan 13	−5.7
Lake Vyrnwy	Jul 7	25.7	Jul 5	14.6	Jan 12	−2.0	Jan 30	−7.3
Moel Cynnedd	Jul 7	24.8	Jul 23	13.7	Jan 12	−2.2	Jan 30	−8.8
8A WALES S								
Aberporth	Jul 5	26.3	Jul 7	17.0	Jan 12	−0.1	Jan 12	−5.3
Aberystwyth	–	–	–	–	–	–	–	–
Brawdy	Jul 7	24.7	Jul 7	15.5	Jan 12	−1.4	Jan 12	−6.3
Brynamman	Jul 7	26.7	Jul 5	16.6	Jan 12	1.5	Jan 30	−4.3
Carmarthen	Jul 7	27.5	–	–	–	–	Jan 13	−7.5
Cwmystwyth	Jul 4	25.5	Jul 6	15.5	Jan 12	−1.5	Jan 30	−6.8
Dale Fort	Jul 7	24.8	Jul 7	16.0	Jan 12	3.3	Jan 12	−5.0
Esgairwen-Uchaf	–	–	–	–	–	–	–	–
Gogerddan	Jul 5	27.1	Jul 23	15.9	Jan 12	1.9	Jan 12	−6.5
Llety-evan-Hen Milford Haven (Conservancy Board)	–	–	–	–	–	–	–	–
Orielton	Jul 7	27.4	Jul 7	16.1	Jan 12	1.1	Jan 12	−5.0
Skokholm Island	Jul 7	27.4	Jul 5	15.1	–	–	Jan 12	−5.4
Tenby	Jul 5	21.5	–	–	–	–	–	–
Trawscoed	–	–	–	–	–	–	–	–
Tregaron	Jul 4	27.1	Jul 23	16.0	Jan 12	−1.5	Jan 12	−10.5
Whitechurch	Jul 7	26.6	Aug 16	15.4	Jan 12	−0.1	Jan 12	−10.5
Cenarth	Jul 4, 5	26.4	Jul 23	14.8	Jan 11	0.6	Jan 12	−8.8
Llangennny	Jul 7	25.0	–	–	–	–	–	–
Mumbles Head	Jul 7	26.5	Aug 16	15.4	–	–	–	–
Neath	Jul 6	25.0	Jul 7	17.4	Jan 12	1.9	Jan 3, 13	−1.5
Port Talbot	Jul 7	27.0	Jul 5	18.0	Jan 12	1.5	Jan 30	−4.3
Penmaen	Jul 4	27.4	Jul 5	19.5	Jan 12	3.0	Jan 3, 30	−3.5
Swansea	Jul 7	26.7	Jul 8	16.4	Jan 12	1.2	Jan 3	−3.4
Whiteford Burrows	Jul 7	27.5	–	–	–	–	Jan 30	−3.0
Aberdare	Jul 7	26.9	Jul 23	15.4	Jan 12	1.2	Jan 3	−5.5
Cilfynydd	Jul 7	27.3	Jul 5	16.0	Jan 12	−0.4	Jan 17	−5.6
Llwynon	Jul 7	25.4	Jul 23, Aug 16	14.3	Jan 12	1.0	Jan 30	−7.2
Porthcawl	Jul 4	27.0	–	–	Jan 12	0.5	Nov 30	−2.7
Bridgend	Jul 7	26.9	Jul 5	16.4	Jan 12	0.8	Jan 8	−5.7
Rhoose Airport	Jul 7	27.0	Aug 16	15.5	Jan 12	0.4	Jan 30	−4.2
Crumbland	Jul 7	25.0	Jul 4	16.0	Jan 12	−0.4	Jan 3	−3.2
Newport	Jul 7	27.5	–	–	–	–	–	–
Usk	Jul 4	28.2	–	–	Jan 12	0.8	Jan 3	−6.0
8B ENGLAND SW								
Bath	Jul 4	26.5	–	–	–	–	Jan 30	−4.5
Filton	Jul 7	27.1	Jul 5	16.4	Jan 12	0.2	Jan 30	−5.2
Long Ashton	Jul 4	27.1	Jul 5	16.6	Jan 12	0.7	Jan 30	−4.6
Cannington	Jul 4, 5	27.5	Jul 23	15.7	Jan 12	2.0	Jan 13, 17, 31	−4.5
Crewkerne	Jul 5	27.0	Jul 23	16.0	Jan 12	2.1	Jan 12	−4.5
Downside Abbey	Jul 5	26.8	–	–	Jan 12	0.8	Jan 3	−5.0
Exton	Jul 4	25.1	Jul 5, Oct 19	13.9	Jan 12	1.1	Jan 12	−6.4
Hawkridge	Jul 4	23.8	Jul 5	14.4	Jan 10, 11, 12	1.0	Jan 12	−7.5
Nettlecombe	Jul 5	26.2	Jul 23	15.5	Jan 12	1.1	Jan 12	−6.2
Nettlecombe (Birds Hill)	Jul 4	24.3	Jul 5	15.2	–	–	Jan 13	−5.5
Rodney Stoke	Jul 6	26.8	Jul 5	17.1	Jan 12	2.2	Jan 3	−4.2
Wincanton	Jul 5	26.8	Jul 23	15.4	Jan 12	1.6	Jan 4	−6.5
Yeovilton	Jul 5	27.9	Jul 5	16.2	Jan 12	−0.1	Jan 30	−6.1
Bournemouth Hurn Airport	Jul 5	27.9	Jul 24	15.8	Jan 12	−1.0	Jan 12	−6.6
Meyrick Park	–	–	–	–	–	–	Jan 30	−4.2
Christchurch	Jul 6	26.6	Jul 24, Sep 6	16.0	Jan 11	3.0	Jan 12	−4.6

Table 10 (continued)

District and Place	highest maximum and date		highest minimum and date		lowest maximum and date		lowest minimum and date	
8B ENGLAND SW – Cont.								
Poole	Jul 6	27.8	Sep 2	16.2	Jan 10	2.4	Jan 31	−4.3
Portland Bill (Coastguard)	Jul 6	25.2	Jul 5	16.0	Jan 12	2.2	Jan 3	−1.0
Swanage	Aug 2	24.1	Jul 5	17.8	Jan 10	2.6	Jan 30	−3.3
Weymouth	Jul 6	27.0	Jul 7	16.0	Jan 10	3.2	Jan 30	−2.8
Winfrith	Jul 6	26.9	Aug 17	15.6	Jan 10	2.8	Jan 30	−5.5
Cheldon Barton	Jul 7	24.9	Sep 6	15.6	Jan 12	1.1	Jan 12, 13	−5.4
Exeter Airport	Jul 6	27.0	Jul 23	16.3	Jan 12	−2.0	Jan 30	−4.9
Exmouth	Jul 6	27.0	Jul 23	16.0	Jan 12, Nov 28	3.5	Jan 12, 13	−4.5
Hartland Point	Jul 5	24.8	Jul 5, 7	16.5	Nov 28	3.2	Jan 13	−1.5
Ilfracombe	Jul 6	24.5	Jul 8	16.7	Jan 12	2.8	Jan 12	−1.5
Plymouth Mount Batten	Jul 7	26.8	Jul 7	16.5	Jan 12	4.1	Jan 12	−3.7
The Hoe	Jul 7	27.3	Jul 7	17.4	Jan 11	3.4	Jan 12	−3.7
Prawle Point	–	–	–	–	–	–	–	–
Princetown	Jul 7	24.2	Jul 7	14.5	Jan 10	−0.9	Jan 12	−6.0
Slapton	Jul 7	25.8	Jul 7	17.3	–	–	Jan 13	−2.0
Starcross	Jul 6	26.7	Jul 7	15.8	Jan 3	3.2	Jan 12	−4.1
Tavistock	–	–	–	–	–	–	–	–
Teignmouth	–	–	–	–	–	–	Jan 12	−4.0
Torbay (Torquay)	Jul 6	26.5	Jul 7	17.5	Jan 10	4.4	Jan 12	−3.5
Bastreet	Jul 6	25.6	Sep 6	14.1	Nov 28	2.1	Jan 12, 13	−8.6
Bude	Jul 5	27.1	Jul 7	15.9	Jan 12	3.0	Nov 30	−4.5
Culdrose	Jul 7	25.6	Jul 7	15.3	Jan 29	3.4	Jan 12	−4.2
Ellbridge	Jul 7	28.6	–	–	–	–	Jan 12	−5.5
Falmouth	Jul 7	26.0	Sep 6	15.2	Jan 11	4.0	Jan 13	−4.0
Fowey	Jul 8	26.6	Jul 7	16.0	Jan 11	3.3	Jan 13	−3.2
Gulval	Jul 7	27.5	Jul 6	16.5	Jan 29, Nov 29	5.0	Jan 13	−3.0
Gwennap Head	Jul 7	25.1	Jul 7	17.9	Jan 29	3.3	Jan 12	−1.0
Lizard	Jul 8	25.2	Jul 7	17.1	Jan 29	4.1	Jan 12	−0.7
Newquay	–	–	–	–	–	–	–	–
Penzance	Jul 7	26.6	Jul 6	16.4	Jan 29	4.4	Jan 30	−3.2
Rosewarne	Aug 14	23.9	Aug 14, 16	15.4	Jan 29	3.8	Jan 12	−2.4
St Austell (Bethel)	Jul 7	25.5	Jul 7	17.1	Jan 11	4.0	Jan 12	−3.3
St Johns	Jul 6	26.7	Sep 6	14.8	Nov 28	2.2	Jan 12	−8.0
St Mawgan	Jul 5	25.6	Jul 7	16.8	Jan 29	3.8	Jan 30	−3.0
Scilly (St Marys)	Jul 7	24.1	Aug 16	15.6	Jan 10	4.6	Jan 12	0.4
Alderney	–	–	–	–	–	–	Jan 12	−3.5
Guernsey Airport	Jul 3	25.3	Aug 16	15.7	Jan 10, 11, 12	3.7	Jan 12	−0.1
L'Ancresse	Jul 3	24.0	Aug 16	16.1	Jan 12	4.5	Jan 12	−1.3
Jersey Airport	Jul 3	26.9	Aug 16	16.9	Nov 28	2.5	Jan 31	−2.3
Gorey Castle	–	–	–	–	–	–	–	–
St Helier	Jul 3	27.5	Aug 16	16.9	Nov 28	2.8	Jan 31	−1.3
NORTHERN IRELAND								
Aghanloo	Jul 6	26.0	Jul 4	14.9	Jan 11, 12	2.1	Jan 13	−6.6
Banagher (Caugh Hill)	Jul 7	26.0	Aug 2	14.7	Jan 12	−1.0	Jan 12	−8.5
Carmoney	Jul 5	24.5	Jul 6	15.0	Jan 11, 12	0.5	Jan 13, 30	−6.5
Coleraine University	Jul 5, 7	25.7	Jul 4	15.3	Jan 12	−0.6	Jan 13	−8.0
Coolkeeragh	Jun 23	25.5	–	–	–	–	Jan 30	−4.5
Derrynoyd Forest	Jul 7	28.5	Aug 1	15.5	Jan 12	−2.0	Jan 12	−7.9
Garvagh Forest	Jul 7	27.1	Jul 23	14.7	Nov 30	−0.2	Jan 13	−8.6
Loughermore Forest	Jul 6, 7	26.1	Jul 4	14.4	Jan 11	0.4	Jan 12	−9.3
Moneydig	–	–	–	–	–	–	Dec 1	−8.5
Somerset Forest	–	–	–	–	–	–	–	–
Aldergrove Airport	Jul 7	28.0	Jul 23, Aug 2	16.0	Jan 12	−0.6	Jan 29	−7.8
Altnahinch	Jul 7	26.1	Jul 23	14.5	Jan 12	0.6	Jan 1	−7.0
Ballylumford	Jul 7	25.8	Jul 23	15.5	Jan 12	1.6	Jan 12	−5.7
Ballymoney	–	–	–	–	–	–	–	–
Ballypatrick Forest	Jul 7	25.5	Aug 2	13.7	Jan 12, 30	2.0	Jan 29	−7.0
Carnlough	Jul 7	24.6	Jul 23	16.6	Jan 12, 30	2.8	Dec 1	−3.9
Divis Mountain	Jul 7	25.0	Jul 12	14.3	Jan 12	−1.5	–	–
Greenmount	Jul 7	27.6	Jul 23	16.2	Jan 12	−0.1	Jan 13, 29	−7.4
Hyde Park (Maliusk)	–	–	–	–	–	–	–	–
Kilroot Power Station	Jul 7	24.9	Jul 23	16.0	Jan 12	2.1	Jan 12	−4.6
Lisnafillan	Jul 7	27.7	Jul 23	16.0	Jan 31	0.0	Jan 13	−9.5
Lowtown	Jul 7	25.0	Jul 7, 23, Aug 2	14.5	Jan 30	0.4	Jan 2	−5.4
Parkmore Forest	Jul 7	24.8	–	–	Jan 30	0.4	Jan 29	−5.9
Woodburn North	Jul 7	24.5	Jul 23	15.0	Jan 12	−0.2	Jan 13	−6.0
Andersonstown	Jul 7	25.8	Jul 23	15.9	Jan 12	0.4	Jan 29	−7.6
Malone	Jul 7	27.0	Jul 23	15.8	Jan 12	0.4	Jan 13	−6.0
Milltown	Jul 7	28.2	Jul 23	16.8	Jan 12	0.0	Jan 12	−5.5
Newtownabbey	Jul 7	25.5	Jul 23	17.2	Jan 12	1.2	Jan 12	−5.0
Rosebank	–	–	–	–	–	–	–	–
Rosetta	Jul 7	27.5	Jul 23	16.5	Jan 12	0.8	Jan 12	−6.8
Stormont Castle	Jul 7	26.5	Jul 23	16.5	Jan 12	0.3	Jan 12	−5.7
Bangor Seacourt	Jul 7	25.0	Jul 23	17.4	Jan 12	1.4	Jan 3	−2.8
Ballywalter Park	–	–	–	–	–	–	–	–
Ballywatticock	Jul 7	25.6	Jul 23	16.7	Jan 12	1.1	Nov 30	−4.5
Creightons Green	–	–	–	–	–	–	–	–
Downpatrick	Jul 7	27.0	Jul 23	16.3	Jan 12	1.7	Dec 1	−5.5
Helens Bay	Jul 7	26.4	Jul 23	16.8	Jan 12	1.0	Jan 12, 13	−3.2
Hillsborough	Jul 7	26.4	Jul 23	16.5	Jan 12	0.7	Jan 12	−5.9
Murlough	Jul 22	23.7	Jul 23	14.9	Jan 12	1.7	Nov 30, Dec 1	−7.0
Armagh	Jul 7	28.5	Jul 23	16.4	Jan 12	−1.6	Dec 1	−7.0
Loughgall	Jul 7	27.7	Jul 23	15.5	Jan 12	−1.1	Dec 1	−6.5
Lurgan	Jul 7	28.3	Jul 23	16.7	Jan 12	−0.1	Jan 29	−7.6
Tandragee	Jul 7	29.3	Jul 23	16.6	Jan 12	1.0	Jan 29	−7.4
Altaveedan	Jul 7	25.4	Jul 23	15.1	Jan 12	−1.7	Jan 12, 13, 30	−6.0
Carrigans	Jul 6, 7	27.0	Jul 6	16.7	Jan 12	−1.5	Jan 29, 31	−7.2
Cookstown	Jul 7	27.0	Jul 23	15.5	Jan 12	−0.8	Dec 1	−6.2
Lough Bradan	Jul 7	25.3	Jul 6	13.8	Jan 12	−2.1	Jan 29	−8.4
Pomeroy Forest	Jul 7	25.6	Jul 6, Aug 1	14.8	Jan 12	−0.1	Jan 13	−7.0
Strabane Convent	Jul 7	28.0	Jul 6	15.9	Nov 30	1.7	Jan 13	−6.5
Tievenny	Jul 7	27.1	Jul 6	15.4	Jan 12	−1.5	Jan 29	−7.8
Castle Archdale Forest	Jul 6	26.2	Jul 6	15.2	Jan 12	−0.6	Jan 29	−7.9
Corgary	Jul 5, 10	25.2	Jul 6	15.3	Jan 12	0.3	Dec 1	−5.3
Knockaravan	Jul 6	28.2	Jul 23	14.6	Jan 12	1.2	Jan 13	−6.8
Lisnaskea	Jul 6, 12	26.5	Jul 23	15.6	Jan 12	−1.0	Jan 29	−8.1
Lough Navar Forest	Jul 6	26.5	Jul 6	14.1	Jan 12	−0.9	Jan 29	−7.5
Pubble Forest	–	–	–	–	–	–	–	–

Table 11 Number of days on which the duration of sunshine was between given limits in each month of 1977

Station	January					February					March					April					May					June				
	0.0 hr	0.1-3.0 hr	3.1-6.0 hr	6.1-9.0 hr	V 9.0 hr	0.0 hr	0.1-3.0 hr	3.1-6.0 hr	6.1-9.0 hr	V 9.0 hr	0.0 hr	0.1-3.0 hr	3.1-6.0 hr	6.1-9.0 hr	V 9.0 hr	0.0 hr	0.1-3.0 hr	3.1-6.0 hr	6.1-9.0 hr	V 9.0 hr	0.0 hr	0.1-3.0 hr	3.1-6.0 hr	6.1-9.0 hr	V 9.0 hr	0.0 hr	0.1-3.0 hr	3.1-6.0 hr	6.1-9.0 hr	V 9.0 hr
Lerwick	13	13	5	0	0	11	6	9	2	0	7	15	6	3	0	2	9	4	10	5	4	7	4	6	10	7	12	2	4	5
Stornoway	10	13	8	0	0	4	8	10	5	1	5	12	10	4	0	1	12	6	9	2	2	9	5	3	12	3	7	6	3	11
Craibstone	16	8	4	3	0	14	5	3	6	0	8	11	5	4	3	2	5	9	10	4	6	6	4	2	13	6	5	5	4	10
Leuchars	10	11	8	2	0	8	10	7	3	0	8	10	7	2	4	2	2	10	11	5	4	8	4	4	11	3	5	6	7	9
Abbotsinch	13	11	4	3	0	9	10	4	5	0	5	16	6	3	1	0	10	6	8	6	2	9	4	4	12	3	4	3	8	12
Eskdalemuir	16	7	4	4	0	10	12	3	3	0	9	14	5	2	1	2	11	9	5	3	2	12	2	2	13	4	4	5	6	11
Boulmer	14	8	7	2	0	11	8	5	4	0	6	12	5	6	2	1	7	3	14	5	1	9	5	5	11	4	7	3	6	10
Gorleston	13	10	6	2	0	10	7	7	4	0	7	6	9	9	0	1	7	6	10	6	2	4	8	6	11	7	9	8	3	3
Cambridge (N.I.A.B.)	14	11	5	1	0	8	11	6	3	0	7	10	8	6	0	0	8	8	9	5	2	3	8	4	14	5	7	7	7	4
Finningley	12	11	7	1	0	15	5	4	4	0	4	18	6	2	1	0	7	8	9	6	4	7	3	5	12	5	9	3	3	10
Edgbaston	16	10	2	3	0	11	10	5	2	0	6	15	5	3	2	2	8	7	9	4	2	4	8	6	11	6	7	7	5	5
Kew	12	14	3	2	0	3	13	5	6	1	6	9	8	7	1	1	8	7	10	4	1	6	8	4	12	8	6	2	6	8
Southampton	9	16	3	3	0	6	10	8	3	1	6	9	9	6	1	3	3	8	10	6	2	4	8	5	12	8	7	3	6	6
Hastings	9	12	5	5	0	5	10	7	5	1	6	7	5	9	4	2	8	6	3	11	2	7	4	4	14	5	6	4	6	9
Squires Gate	12	14	2	3	0	10	12	1	3	2	4	15	7	3	2	2	7	6	12	3	0	5	4	8	14	1	7	4	6	12
Douglas	13	10	5	3	0	9	10	5	4	0	12	7	4	6	2	4	3	7	11	5	1	3	5	4	18	4	2	6	9	9
Valley	11	12	6	2	0	7	13	5	2	1	4	13	7	6	1	4	3	9	5	9	2	3	2	5	19	3	4	5	5	13
Falmouth	10	9	10	2	0	9	7	12	0	0	7	10	9	4	1	4	6	4	13	3	2	5	6	5	13	8	7	5	4	6
Aldergrove	13	11	6	1	0	6	15	5	2	0	8	11	7	5	0	5	6	7	7	5	2	5	5	5	14	3	7	7	3	10
Armagh	13	8	10	0	0	12	11	3	2	0	9	13	3	6	0	5	7	7	9	2	2	7	3	5	14	3	10	5	2	10

Station	July					August					September					October					November					December				
	0.0 hr	0.1-3.0 hr	3.1-6.0 hr	6.1-9.0 hr	V 9.0 hr	0.0 hr	0.1-3.0 hr	3.1-6.0 hr	6.1-9.0 hr	V 9.0 hr	0.0 hr	0.1-3.0 hr	3.1-6.0 hr	6.1-9.0 hr	V 9.0 hr	0.0 hr	0.1-3.0 hr	3.106.0 hr	6.1-9.0 hr	V 9.0 hr	0.0 hr	0.1-3.0 hr	3.1-6.0 hr	6.1-9.0 hr	V 9.0 hr	0.0 hr	0.1-3.0 hr	3.1-6.0 hr	6.1-9.0 hr	V 9.0 hr
Lerwick	6	15	3	3	4	5	7	7	2	10	7	9	5	6	3	13	15	2	1	0	12	16	2	0	0	19	12	0	0	0
Stornoway	3	12	1	8	7	5	7	4	3	12	5	8	4	9	4	7	12	9	3	0	6	20	4	0	0	13	12	6	0	0
Craibstone	1	14	7	1	8	4	8	6	2	11	9	6	7	5	3	7	12	5	7	0	5	15	8	2	0	15	11	5	0	0
Leuchars	1	8	4	8	10	5	5	3	6	12	6	7	9	4	4	5	11	10	5	0	3	13	12	2	0	9	15	7	0	0
Abbotsinch	1	7	6	3	14	5	7	1	5	13	3	12	7	5	3	5	12	12	2	0	6	14	8	2	0	12	15	4	0	0
Eskdalemuir	3	6	9	4	9	4	8	5	4	10	9	11	3	5	2	8	11	6	6	0	6	13	9	2	0	17	8	6	0	0
Boulmer	2	13	5	4	7	4	6	6	6	9	7	7	9	5	2	7	10	9	5	0	3	15	8	4	0	12	11	8	0	0
Gorleston	6	9	9	3	4	7	7	4	7	6	5	9	8	3	5	1	11	8	10	1	5	13	10	2	0	–	–	–	–	–
Cambridge (N.I.A.B.)	1	8	5	7	10	4	10	6	3	8	3	12	5	7	3	1	13	8	9	0	6	11	9	4	0	9	15	7	0	0
Finningley	2	9	11	1	8	5	10	6	4	6	3	13	8	2	4	8	9	7	7	0	4	11	11	4	0	10	17	4	0	0
Edgbaston	3	7	7	5	9	6	10	1	10	4	6	10	7	4	3	7	11	6	6	1	2	10	15	3	0	11	14	6	0	0
Kew	1	7	6	7	10	6	7	9	3	6	2	10	8	5	5	1	12	8	9	1	4	10	12	4	0	9	18	3	1	0
Southampton	0	8	6	6	11	3	12	3	3	10	5	6	13	1	5	1	11	12	7	0	1	13	11	5	0	11	12	7	1	0
Hastings	2	6	6	6	11	2	8	7	4	10	4	10	7	2	7	1	10	10	10	0	5	9	11	5	0	11	13	7	0	0
Squires Gate	2	5	7	4	13	4	7	6	3	11	7	9	8	3	3	4	10	9	8	0	5	16	7	2	0	15	11	5	0	0
Douglas	3	6	3	7	12	3	5	4	7	12	9	6	6	5	4	8	11	7	5	0	9	12	6	3	0	17	13	1	0	0
Valley	2	5	7	5	12	1	8	5	5	12	9	7	3	6	5	3	11	8	8	1	8	14	5	3	0	10	15	5	1	0
Falmouth	3	5	5	5	13	0	6	7	8	10	7	6	6	5	6	6	12	9	4	0	6	10	14	0	0	10	17	4	0	0
Aldergrove	0	15	3	3	10	3	7	5	5	11	6	12	4	5	3	4	13	11	3	0	3	15	11	1	0	14	14	3	0	0
Armagh	1	13	3	6	8	4	5	6	8	8	8	10	4	7	1	5	14	9	3	0	5	18	6	1	0	14	16	1	0	0

Table 12 Number of days with rainfall between given limits during 1977

Station	0.0 - 0.1mm	0.2 - 1.0mm	1.1 - 5.0mm	5.1 - 10.0mm	10.1 - 15.0mm	15.1 - 20.0mm	20.1 - 25.1mm	over 25.1mm	Station	0.0 - 0.1mm	0.2 - 1.0mm	1.1 - 5.0mm	5.1 - 10.0mm	10.1 - 15.0mm	15.1 - 20.0mm	20.1 - 25.1mm	over 25.1mm
Lerwick	131	60	90	48	25	6	4	1	Shoeburyness	200	61	79	16	7	0	2	0
Stornoway	124	53	100	59	22	5	0	2	Edgbaston	172	49	99	28	9	3	1	4
Nairn	165	84	80	22	11	3	0	0	Preston Wynne	175	63	85	21	13	6	1	1
Craibstone	151	68	87	33	14	4	7	1	Kew	195	59	76	26	3	2	2	2
Leuchars	198	52	69	28	8	5	1	4	Southampton	189	56	70	25	16	3	3	3
Abbotsinch	156	63	78	43	6	10	5	4	Hastings	197	50	72	30	9	5	0	2
Rothesay	148	41	80	47	24	12	7	6	Squires Gate	174	55	77	39	14	5	1	0
Eskdalemuir	134	49	79	51	16	18	8	10	Aigburth	169	57	87	35	15	0	1	1
Boulmer	197	57	68	27	11	4	1	0	Douglas	158	57	82	31	19	5	5	8
Durham	186	65	78	22	9	3	2	0	Valley	165	56	87	35	12	5	2	3
Scarborough	176	68	80	22	12	4	3	0	Aberporth	156	63	88	34	15	6	2	1
Bridlington	180	55	92	22	10	4	2	0	Long Ashton	174	57	78	34	9	4	6	3
Cranwell	188	55	87	23	7	2	2	1	Falmouth	151	48	92	38	21	8	2	5
Gorleston	206	61	69	23	3	2	0	1	Aldergrove	137	82	93	34	12	4	3	0
Cambridge (botanic gardens)	193	63	76	20	8	2	3	0	Armagh	148	66	101	36	7	4	3	0

NOTE: In Tables 3, 4 & 10 the symbol (x) against certain stations denotes an urban rooftop site.

Table 2 Additions and Corrections

Year, Month and Station	global radiation on a horizontal surface (milliwatt-hours per square centimetre)						diffuse radiation on a horizontal surface (milliwatt-hours per square centimeter)						global illumination on a horizontal surface (kilolux-hours)					
	max	date	min	date	daily mean	no. of days	max	date	min	date	daily mean	no. of days	max	date	min	date	daily mean	no. of days
1977																		
January																		
Lerwick	65		2		26.9	31			2		19.1	31	69	28	4	20,21	30.2	31
Eskdalemuir	144	29	4	4	50.4	31	57	31	4	4	29.9	31	176	29	11	4	67.3	31
Aberporth					64.9						44.3							
Cardington					67.1						47.3							
London Weather Centre					54.2	31					41.3						68.4	31
Kew			11		60.0		82		11		44.4		224		17		74.5	
Easthampstead					64.4	31	77	26	14	13	47.9	31					76.3	31
Aldergrove	209	29	11	25	64.1	31	93	22	10	4,25	40.5	31	208	29	14	25	74.6	31
February																		
Lerwick					78.0	28				7,18	47.4	28	209				89.4	28
Eskdalemuir					94.5						59.1		388		17		129.4	
Aberporth					134.7	28												
Cardington	353	28			131.1	28	139	21			86.6	28						
London Weather Centre			31		131.3	28	142	13	31		85.8	28					164.4	28
Kew					137.3	28					83.5	28	400		45		174.7	28
Easthampstead					141.1		127	23	37	18	88.3						172.0	
Aldergrove					106.4	28					73.5							
March																		
Lerwick			13		168.9	31	219		13		110.8	31	423		28		206.3	31
Eskdalemuir			27						27		110.0		565		48		209.3	
Aberporth	492				220.1	31					147.4	31						
Cardington	394	29	49	21	224.9	31	243	25	48	21	147.4	31						
London Weather Centre	369	28	44	21	199.4	30	228	25,30	44	21	130.8	30	442	28	62	21	250.3	30
Kew					210.3	31			51		137.1	31					257.9	31
Easthampstead	357	30	47	21	213.7	31	264	25	46	21	144.3	31	433	23	64	21	267.3	31
Aldergrove	412	28	53	1	193.6	30	214	24	50	1	124.8	30	516	28	74	1	245.8	30
April																		
Lerwick	627	27	131	10	347.3	30	288	23	117	16	192.3	30	733	27	168	10	415.6	30
Eskdalemuir					325.5	30					192.3	30	754	14	188	9	440.6	30
Aberporth					421.4						210.2							
Cardington					369.0	30	480	27	126	6	275.1	30						
London Weather Centre		27			327.5	30	268		112		192.9	30		27			413.7	30
Kew					334.7	30	268		87		195.7	30					378.2	30
Easthampstead	670	27	100	26	356.7	30	303	19	84	26	204.6	30	821	27	131	6	442.6	30
Aldergrove	585	17	118	12	351.0	30	272	16	115	12	193.4	30	735	17	165	12	450.3	30
May																		
Lerwick							404				235.7		962		69		558.8	
Eskdalemuir					496.7	31					216.1	31	1148	21	210		673.2	31
Cardington	819	21	152	5	522.6	31	400	31	142	27	276.7	31						
London Weather Centre	763	21	105	5	427.0	31	362	17	103	5	226.9	31	967	21	152	5	575.3	31
Kew							396		124		247.5							
Easthampstead	801	22	186	5	501.2	31	423	17	142	27	260.4	31	995	22	247	5	627.8	31
Aldergrove	811				511.7	30			126	27	250.4	30	1066				669.0	30
June																		
Lerwick									156		286.6		914	6,20	257		524.0	
Aberdeen University	835	21	110	13	463.4	30												
Eskdalemuir	912				550.8					12								
Aberporth					519 0	30												
Cardington	813	22	79	14	415.9	30	385	27	72	14	265.6	30						
London Weather Centre	695	1	77	15	352.6	30	337	24	74	15	229.5	30	908	1	118	15	483.0	30
Kew	711	1	74	15	373.3	30	359	30	74	15	240.6	30	813	1	99	15	448.8	30
Easthampstead	750				382.8						244.0						498.7	
Aldergrove	828	19	238	12	530.3	30	378	24	157	23	290.3	30	1102	22	317	12	708.8	30
July																		
Lerwick													948		142		510.6	
Aberdeen University	793	4	240	26	452.6	31												
Aberporth					538.6						284.5							
Cardington	791	2	197	11	480.1	31	399	19	142	2	279.1	31						
Easthamstead	818	2	192	13	499.5	31	373	1	117	2	281.5	31	1090	2	258	13	652.6	31
Aldergrove	799	11	212	1	469.7	30	377	31	106	11	251.8	30	1118	11	283	22	644.0	30
August																		
Lerwick	653	11	69	25	392.0	30	278	4	69	25	198.3	30	843	11	108	25	517.2	30
Aberdeen University	649	8	75	30	369.2	31												
Aberporth	706				438.6	31						31						
Cardington	611	4	25	17	315.9	31	305	15	21	17	186.3	31						
Easthampstead	685				318.2	31	352	15			196.5	31	908				422.3	31
September																		
Lerwick							192	2	41	26	121.6	27	628		59		286.2	
Eskdalemuir									45		130.6						275.3	
Aberporth					286.0						157.0							
Cardington	531	3	88	21	282.0	30	248	7	84	2	160.4	30						
London Weather Centre									74									
Easthampstead					271.5	30					158.2	30					357.3	30
October																		
Lerwick					84.4	31					62.2	31	293		25	8	118.6	27
Aberporth									40									
Cardington	357		75		178.3	31	186		71	21	105.9	31						
London Weather Centre					174.4	31					107.2	31					222.6	31
Kew			68	6,21	176.9	31	201		47		109.3	31			84		211.1	31
November																		
Lerwick											29.6							
Cardington	187				104.8	30	121				69.7	30						
London Weather Centre																	131.8	
Kew											64.7							
Easthampstead					106.3												132.3	
December																		
Lerwick										20	12.3							
Eskdalemuir											21.9		101	31			43.5	
Kew											37.6							

Table 4 Additions and Corrections

Year, Month and Station	hour of observation (GMT)	mean pressure: at MSL (mb)	mean pressure: difference from 1941-70 average	mean temperature and humidity: dry bulb (°C)	mean temperature and humidity: depression of wet bulb (°C)	mean temperature and humidity: vapour pressure (mb)	mean temperature and humidity: relative humidity (%)	cloud amount: oktas: mean	cloud amount: oktas: 0	cloud amount: oktas: 1–2	cloud amount: oktas: 3–5	cloud amount: oktas: 6–7	cloud amount: oktas: 8	cloud amount: oktas: sky obscured	visibility: 0–39m	visibility: 40–190m	visibility: 200–390m	visibility: 400–990m	visibility: 1000–1900m	visibility: 2000–3900m	visibility: 4–9km	visibility: 10–19km	visibility: 20–39km	visibility: 40km and over	wind speed and direction: beaufort force: 8 or more	wind speed and direction: beaufort force: 6–7	wind speed and direction: beaufort force: 4–5	wind speed and direction: beaufort force: 1–3	wind speed and direction: beaufort force: calm	wind speed and direction: speed (kt): 34 or more	wind speed and direction: speed (kt): 22–33	wind speed and direction: speed (kt): 11–21	wind speed and direction: speed (kt): 1–10	wind speed and direction: speed (kt): 0	wind speed and direction: N	wind speed and direction: NE	wind speed and direction: E	wind speed and direction: SE	wind speed and direction: S	wind speed and direction: SW	wind speed and direction: W	wind speed and direction: NW
								number of observations																																
1977 February																																									
Filton	21			0.8		88																																			
March																																									
Dalcross	09	1011.1	–	5.8	1.4	7.3	79	6.5	0	2	3	18	8	0	0	0	0	0	0	1	2	7	13	8	0	2	14	13	2	4	2	3	1	6	10	2	1
	15	1010.4	–	8.1	2.1	7.7	72	6.5	0	0	8	15	8	0	0	0	0	0	0	1	1	6	14	8	0	4	18	8	1	4	2	3	1	6	9	3	2
April																																									
Portland Bill CG	03	1016.6																																							
October																																								
Sloy	09			10.8		11.0																																		
Innsworth	21					12.6	88																																	
Dungeness	21	1015.1																																						
Portland Bill CG	03	1012.8																																						
	21	1013,4																																						
December																																								
Rhuvaal	03	1010.3																																						
	09	1011.1																																						
Seahouses	15	1012.7																																						
Upavon	09	1015.8																																						
Southampton Weather Centre	03	1015.3																																						
Portland Bill CG	09	1015.2																																						
	15	1014.8		9.0		10.9					4	13	11						3	3						10		6							3	7	

Table 5 Correction 1972 January Falmouth col 4 (10.1 to 15.0) for 'O' read '15'

Table 6 Additions and Corrections

Year	Month	Station	Height of Vane: above MSL	Height of Vane: above ground	Height of Vane: effective	Distribution of hourly mean values of wind speed: 34 kt or more (gale force): Dates of Occurrence	Distribution of hourly mean values of wind speed: 34 kt or more (gale force): number of hours	Distribution of hourly mean values of wind speed: 34 kt or more (gale force): number of days	Distribution of hourly mean values of wind speed: Number of hours: 22-33 kt	Distribution of hourly mean values of wind speed: Number of hours: 11-21 kt	Distribution of hourly mean values of wind speed: Number of hours: 4-10 kt	Distribution of hourly mean values of wind speed: Number of hours: less than 4 kt	hours of no record	mean hourly wind speed (kt)	Highest values: Hourly wind: veer from N	Highest values: Hourly wind: speed - kt	Highest values: Hourly wind: day	Highest values: Hourly wind: hour beginning	Highest values: Gust: veer from N	Highest values: Gust: speed - kt	Highest values: Gust: day	Highest values: Gust: time
1977	January	Culdrose						12			261	85						17				1736
	February	Culdrose						13		369	180							10				1554
	March	Culdrose							82	459								11				1100
	April	Culdrose							58		239			12.6				14				1454
	May	Culdrose																02				0948
	June	Pershore				Record Discontinued																
		Culdrose								286	314			9.6				02				1636
	July	Dover				Defective Record																
		Culdrose								327	362							14				1554
	August	Culdrose								283	386							10				0318
	September	Speke Airport				Record Discontinued																
		Culdrose							7	316				10.2				20				0000
	October	Culdrose							33	371								01				0300
	November	Port Talbot				11 14 15	18	19	214	289	143	56	0	16.5	250	42	11	20	250	56	11	2042
		Culdrose						18		395	171			14.9				18				1406
		Guernsey				11 12 14-16 21 24	36	20	187	393	103	1	0	19.0	270	43	14	16	270	61	14	1830
	December	Thorney Island				Defective Record																
		Culdrose				23											23	23				0006

CORRECTIONS TO TABLE II

Year	Month	Station	Height of vane in metres			Distribution of hourly mean values of wind speed								Mean hourly Wind Speed in Knots	Highest velocities						
						34 Knots or more (gale force)		22 to 33 knots	11 21 knots	4 10 knots	Less than 4 kts	No Recd			Highest hourly wind			Highest gust			
			Above mean sea level	Above ground	effective height	Dates of Occurrence	Duration (hr)	No of days	Duration in hours						Veer from N.	Speed in knots	Hour ended at day hour	Veer from N	Speed in knots	Day and Time
1967	March	Cairngorm																	125	
1970	January	Lerwick								114	81									
		Lossiemouth													300					
		Paisley													170					
		West Raynham													120					
		Aldergrove												9.8						
	February	Sheffield																290		
		Aberporth												18.6						
	March	Lerwick																330		
		Prestwick								276	150									
		Manston								256	64									
		Carlisle							329	251	150									
		Manchester/W. Centre							293	364										
	April	Lossiemouth																290		
		Sheffield																010		
		Trawsfynydd								308	107									
	May	Shin					0	5	23	266	304	123	28	9.4	130	45	7 18	240	59	21 0320
		Kinloss								320		79								
		South Shields													290	25	21 15			
		Stansted													270					
		Sheffield																290		
	June	Dounreay						9							150					
		Shin				Defective Record														
		Tiree								219	167									
		Paisley							246	382										
	July	Dounreay						26	434	254	30							270		
		Tiree								126	95									
		Prestwick												10.0						
		Eskdalemuir												9.8						
		Bedford							318	399										
		Sheffield																260		
		Elmdon													330					
		Milford Haven							366	288										
	August	Machrihanish							254	309	157									
		Abbotsinch													210	25	31 23			
		South Shields							85	352	301									
		Sheffield																280		
	September	St. Mawgan															14			
	October	Shin							113	308	315									
		Hunterston												13.8						
		Eskdalemuir														34				
		Sheffield																260		
	November	Fraserburgh					33													
		Garston								419	168	17								17 2300
		Coleraine University								217	112	32		10.9						
	December	Corpach									231	24		9.5						

CORRECTIONS TO TABLE IX

Year	Month	Station	Height of vane in metres			Distribution of hourly mean values of wind speed								Mean hourly Wind Speed in Knots	Highest velocities						
						34 Knots or more (gale force)		22 to 33 knots	11 21 knots	4 10 knots	Less than 4 k ts	No Recd			Highest hourly wind			Highest gust			
			Above mean sea level	Above ground	effective height	No. of days	Duration (hr)	No. of days	Duration in hours						Veer from N	Speed in knots	Hour ended at day hour	Veer from N	Speed in knots	Day and Time
1970	Annual	Lerwick									3191	618								
		Dounreay						150	1064	4005	2647	597								
		Kinloss								3366		1213								
		Machrihanish	23	13	13	14	62	132	996	4293	2535	871	3	13.0	270	40	Feb 23 05	280	60	Oct 31 2305
															280	40	Oct 31 24			
															280	40	Nov 1 01			
		Cumbernauld	166	10	10	Defective Record														
		Paisley								2779	3926									
		South Shields								2799	4104	1542								
		Bedford								3607	4337									
		Garston								967	5257	2509	23							Nov 17
		Sheffield																290	58	Feb 20 0905
		Carlisle								3096	3643	1925								
		Manchester/W.Centre								3183	4582									
		Milford Haven								3442	3382									
		Coleraine									3049	1516	82							
		Aldergrove												9.7						

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PAGE 250 - TABLE 3
This is table 4 and should appear on page 258.

PAGE 258 - TABLE 4
This is table 3 and should appear on page 250.

PAGE 262 - TABLE 6
Eskdalemuir - under heading - 'gust', 'highest values'
280 43 29 DEC 20
Should read:-
290 68 15 NOV 0012

PAGE 272 - TABLE 10
Wilsden - under heading - 'lowest minimal and date' - Feb 26 should read Feb 28.

PAGE 274 - TABLE 11
Head of columns reading greater than 9.0hrs.,
- the 'V' should be positioned as '>'

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