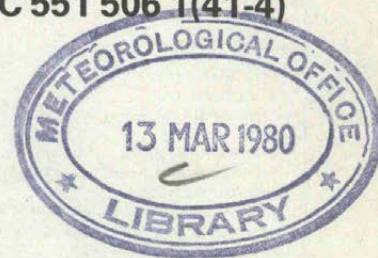


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THE METEOROLOGICAL OFFICE

**MONTHLY  
WEATHER  
REPORT**

131783

VOLUME 95

1978

LONDON

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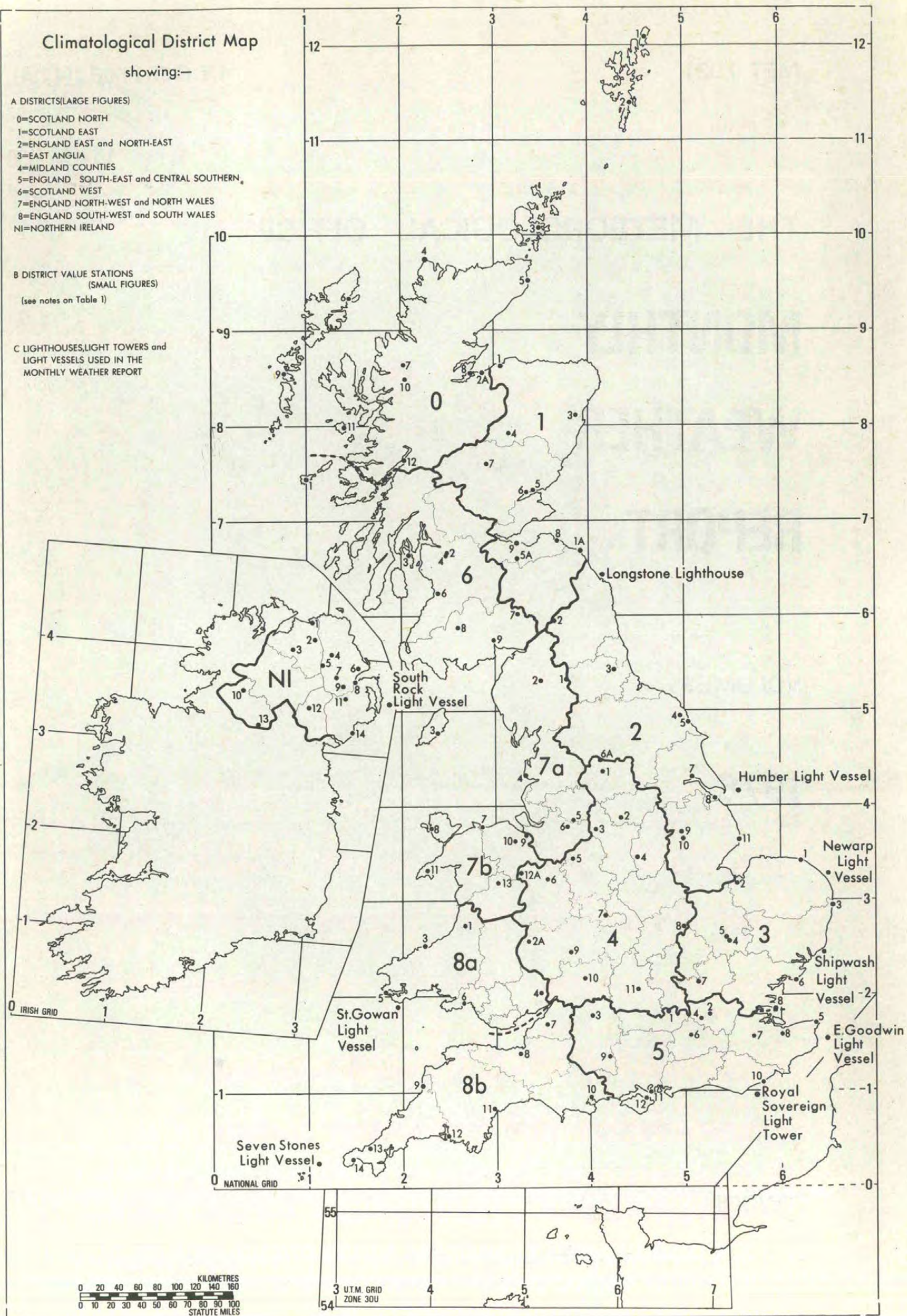


showing:—

0=SCOTLAND NORTH  
1=SCOTLAND EAST  
2=ENGLAND EAST and NORTH-EAST  
3=EAST ANGLIA  
4=MIDLAND COUNTIES  
5=ENGLAND SOUTH-EAST and CENTRAL SOUTHERN  
6=SCOTLAND WEST  
7=ENGLAND NORTH-WEST and NORTH WALES  
8=ENGLAND SOUTH-WEST and SOUTH WALES  
NI=NORTHERN IRELAND

(see notes on Table 1)

C LIGHTHOUSES, LIGHT TOWERS and  
LIGHT VESSELS USED IN THE  
MONTHLY WEATHER REPORT





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## Introduction to the Monthly Weather Report

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*\*. The Report includes almost all the items recommended in the World Meteorological Organization's *Guides 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 resume 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

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 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



# 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.

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.

## 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, and also that the totals and statistics quoted in the section headed 'Rainfall' include all forms of precipitation and surface condensation phenomena (see rainfall notes on page ix). The note which reported observations in Scotland of the aurora, under 'Miscellaneous Phenomena', was discontinued in January 1978, as occurrences are no longer noted regularly.

## 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, 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 disconnected; 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 Station 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.



<b>District 0</b>			<b>District 3</b>			<b>District 8</b>		
1	Baltasound	- - E -	1	Cromer	T r - S	1	Trawscoed	- r - S
2	Lerwick	T r - S	2	Terrington		2A	Lyonshall	T - - -
3	Kirkwall	T r - S		St Clement	T r E S	3	Aberporth	T - - -
4	Cape Wrath	T r - -	3	Lowestoft	T r E S	4	Crumbland	- r E -
5	Wick	T r - S	4	Cambridge (B.G.)	T r E -	5	Dale Fort	T - E -
6	Stornoway	T r - S	5	Cambridge (N.I.A.B.)	- - - S	6	Swansea	T r E S
7	Kinlochewe	- - E -	6	Clacton-on-Sea	T r E S	7	Long Ashton	T r - S
8	Fortrose	T r - S	7	Rothamsted	T r E S	8	Cannington	- - E -
9	Benbecula	T r - S	8	Shoeburyness	T r - S	9	Bude	T r - S
10	Achnashellach	T r - -		Raunds	T r E S	10	Poole	T r - S
11	Isle of Rhum	- - E -	<b>District 4</b>			11	Starcross	T r E S
12	Onich	T r - S	1	Bradford	T r E S	12	Plymouth Hoe	- - E -
<b>District 1</b>			2	Sheffield	T r - S	13	Rosewarne	- - E -
1	Kinloss	T r E -	3	Buxton	- - E -	14	Penzance	T r - S
2A	Nairn	- - - S	4	Watnall	T r - S	<b>Northern Ireland</b>		
3	Craibstone	T r E S	5	Keele	- - E -	1	Coleraine University	- - - S
4	Braemar	T r - S	6	Shawbury	T r - S	2	Moneydig	T r E -
5	Dundee	T r - S	7	Elmdon	T r - S	3	Banagher Filters	- r - -
6	Mylnefield	- - E -	8	Raunds	T r E S	4	Lisnafillan	- r - -
7	Faskally	- - E -	9	Malvern	- - E -	5	Toomebridge	- r - -
8	Dunbar	T r - S	10	Cheltenham	T r - S	6	Woodburn North	- r - -
9	Edinburgh (R.B.G.)	T r E S	11	Oxford	T r E S	7	Aldergrove	T - - S
	Eskdalemuir	T r E S	<b>District 5</b>			8	Belfast	
<b>District 6</b>			1	Hurley	- - E -		Pumping Station	- r - -
1	Tiree	T r - S	2	Kensington Palace	- - E -	9	Stoneyford Res.	- r - -
2	Abbotsinch	T r - S	3	Lyneham	T r - -	10	Castle Archdale	
3	Rothsay	- - E -	4	Kew	T r - S		Forest	T - E S
4	Paisley	- - E -	5	Margate	T r E S	11	Hillsborough	T r E S
5A	Penicuik	T r E S	6	Wisley	T r - S	12	Armagh	T r E S
6	Auchincruive	T r E S	7	East Malling	T r - S	13	Crom Castle	- r - -
7	Eskdalemuir	T r E S	8	Faversham	- - E -	14	Annalong Valley	- r - -
8	Dundeugh	- - E -	9	Porton	T r E S	<div>T = air temperature r = rain days E = earth temperature at 30 cm S = sunshine</div>		
9	Dumfries	T r - S	10	Hastings	T r - S			
	Onich	T r - S	11	Southsea	- - E -			
<b>District 2</b>			12	Ryde (I.O.W.)	T r - S			
1A	St Abbs Head	T - - -	<b>District 7</b>					
2	Kielder Castle	- - E -	1	Moor House	- - E -			
3	Durham	T r E S	2	Newton Rigg	T r - S			
4	Silpho Moor	- - E -	3	Douglas (I.O.M.)	T r - S			
5	Scarborough	- - - S	4	Squires Gate	T r - S			
6A	Ilkley	T r - S	5	Ringway	T r - S			
7	Hull	T r E S	6	Knutsford	- - E -			
8	Cleethorpes	T r - S	7	Colwyn Bay	- - - S			
9	Lincoln	T r E -	8	Valley	T r - S			
10	Waddington	- - - S	9	Hawarden Bridge	T r - -			
11	Skegness	T r - S	10	Loggerheads	- - E -			
	Terrington		11	Botwnnog	- - E -			
	St Clement	T r E S	12A	Oswestry	- - - S			
			13	Lake Vyrnwy	T r E -			

The stations are numbered to show their position on the map (frontispiece).  
 Stations marked A are from an adjacent district and do not appear 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 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 the 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. Data for other stations were added in this and in subsequent years. 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 have been 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 global radiation. 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. With effect from January 1966 the value is given in parentheses if the extreme value has been obtained from data which have been partly or wholly estimated.

It is sometimes found advisable to apply revised calibration constants retrospectively; the values published in this table are therefore liable 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 indicate either estimates to replace missing data, or amended values.

**Height of Station.** 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 m above MSL.



**Air Temperature.** 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.

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 and all values refer to the 24 hours ending at 09 h. When the entry in the second column is 21-9, the thermometers are read twice each day; means of maximum and minimum temperatures are then for the 12 hour periods ending at 21 h and 09 h respectively (usually referred to as 'day maximum' and 'night minimum' temperatures), whilst the values of highest maximum and lowest minimum refer to the 24 hours ending at 09 h. The monthly means and extreme minima at the two types of station are thus not always strictly comparable. In all cases maxima read at 09 h are credited to the previous day, but minima are credited to the days on which the values are read.

**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 them.

**Rainfall.** The rainfall total includes water collected in the rain-gauge from precipitation, such as rain, drizzle, sleet, snow and hail, and also from deposits derived from dew, fog, hoar frost and rime. 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) is counted during which the total amount is at least 0.2 mm and again when it is at least 1.0 mm. The lower limit normally excludes occasions when the daily totals are derived wholly from dew and similar deposits.

**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 30m 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 5mm or more falling either separately or agglomerated into irregular lumps, and the day is between midnight and midnight.

**Ice Pellets, etc:** Although there has been a change from July 1978, occasions recorded include days when ice pellets less than 5 mm in diameter occurred providing there has been no occurrence of hail (in which case a day of hail only would be reported).

**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 over short grass at the last hour of observation before sunset. At those stations where observations are taken once a day, the time of setting will therefore be at 09 h.



**Concrete minimum below 0 °C:** At a number of stations a minimum thermometer is set and exposed at the same time 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 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 21h) 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.** Atmospheric pressure is expressed in millibars (1 mb = 100 pascals = 100 newtons per square metre). Precision aneroid barometers are now in general use for measuring pressure and a correction for altitude is applied to obtain the values at MSL. The 1941-70 averages of MSL pressure at 09 h which are used in this table are published 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 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 observational 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 was called Table IV in 1913, but after three years as Table VIII 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 09h 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 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, it was thought that these values might have been exceeded during a period of defective or missing record.

Since 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 40 or more consecutive hours.
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 400 or more consecutive hours.
3. The mean hourly wind speed for the month is computed as the average of the actual and estimated hourly mean wind speeds. 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. Any 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 of Force 8 and above (gales), Force 7 and 6 (strong winds), Force 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 in degrees (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 the 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 Annual Summary 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 21 h 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 during the year

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 corrective 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 a complete list of stations, together with their respective locations and authorities, which send monthly climatological returns to the Meteorological Office and whose data are published in the *Monthly Weather Report*; the names of stations whose data are not published in the current report are printed in italics. The last complete list appeared in 1975.

In the tables of the *Monthly Weather Report* the stations are set out under local government administrative areas within climatological districts (see the frontispiece), but in the following list they are given in alphabetical order. A number of stations have, in addition to a name for climatological purposes, a designated 'official' name for use in their role as synoptic reporting stations; where considered necessary, the 'official' name, in capital letters, is included also. The date given in the column headed 'First published in MWR' refers to the year when any data first appeared in the *Monthly Weather Report*, unless a break in publication extended to five consecutive years or more, in which case the year given is that of the reappearance of data. Some long-established stations, particularly those which existed before the *Monthly Weather Report* began, may have earlier data published elsewhere. In the column headed 'Type', the stations are classified according to the following plan:

- M Meteorological Offices staffed by professional meteorologists.
- X Stations whose observations are used primarily in weather forecasting and are manned by non-Meteorological Office staff.
- C Climatological stations co-operating voluntarily with the Meteorological Office, most of which make one observation daily at 09 GMT.
- A Agricultural meteorological stations, which are climatological stations with agricultural interest. Most participate 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, which are climatological stations participating in a scheme whereby information is sent daily to the Meteorological Office for communication to the Press.
- D Stations equipped with data recording instruments only.



Station(Region/County)	Type	First published in MWR	Lat.	Long.	Grid Reference	Authority
Abbotsinch. GLASGOW AIRPORT (Strathclyde)	M	1966	55 52N	04 26W	NS-480667	Meteorological Office
Aber (Gwynedd)	A	1925	53 14N	04 01W	SH-650728	College Farm
Aberdare Filter Station (Mid Glamorgan)	C	1978	51 43N	03 27W	SN-999022	Welsh National Water Development Authority
Aberdeen, Mannofield (Grampian)	C	1884	57 08N	02 08W	NJ-915042	Grampian Regional Council
Aberdeen University (Grampian)	D	1977	57 10N	02 05W	NJ-925084	University of Aberdeen
Aberfoyle (Central)	C	1969	56 10N	04 23W	NN-526007	Forestry Commission
Aberporth (Dyfed)	M	1942	52 08N	04 34W	SN-242521	Meteorological Office
Aberporth R.A.E. (Dyfed)	M	1971	52 08N	04 34W	SN-239520	Meteorological Office
Aberystwyth (Dyfed)	H	1904	52 25N	04 04W	SN-580815	Cardigan District Council
Achaglachgach (Strathclyde)	C	1959	55 45N	05 31W	NR-813643	Forestry Commission
Achany (Highland)	C	1977	57 58N	04 27W	NC-566017	North of Scotland College of Agriculture
Achnagoichan (Highland)	C	1961	57 09N	03 48W	NH-913082	Nature Conservancy Council
Achnashellach (Highland)	C	1923	57 29N	05 16W	NH-038492	Forestry Commission
Aghanloo (Londonderry)	C	1973	55 04N	06 57W	IC-673256	Hoechst Fibre Industries
Aigburth (Merseyside)	C	1968	53 22N	02 55W	SJ-384852	Liverpool Education Committee
Aldenharn School (Hertfordshire)	C	1965	51 40N	00 20W	TQ-157972	Aldenharn School
Aldergrove. BELFAST/ALDERGROVE AIRPORT (Antrim)	M	1927	54 39N	06 13W	IJ-147798	Meteorological Office
Alderney (Channel Isles)	C	1958	49 42N	02 13W	WA-564065	States of Alderney
Aldroughy (Grampian)	C	Not Publ.	57 39N	03 23W	NJ-178625	North of Scotland College of Agriculture
Alice Holt Lodge (Hampshire)	A	1950	51 11N	00 51W	SU-804430	Forestry Commission
Altaveedan (Tyronne)	C	1977	54 21N	07 15W	IH-487451	Department of the Environment
Altnahinch (Antrim)	C	1966	55 03N	06 15W	ID-117236	Ballymoney Rural District Council
Alwen (Clwyd)	C	1958	53 04N	03 33W	SH-956528	N.W. Water Authority
Andersonstown (Belfast)	C	1977	54 34N	05 58W	IJ-296722	Mr. M. Cafolla
Arbroath (Tayside)	C	1914	56 33N	02 35W	NO-649411	Angus District Council
Ardnamurchan (Highland)	X	Not Publ.	56 44N	06 13W	NM-416675	Northern Lighthouse Board
Ardrossan (Strathclyde)	X	1971	55 39N	04 49W	NS-226423	Ardrossan Harbour Company
Ardtalnaig (Tayside)	C	1959	56 32N	04 07W	NN-702394	Mr. M. K. Browne
Armagh (Armagh)	C	1884	54 21N	06 39W	IH-878458	Armagh Observatory
Aros (Strathclyde)	C	1967	56 32N	05 59W	NM-553453	Forestry Commission
Arrochmore (Central)	C	1972	56 06N	04 33W	NS-415918	Clyde River Purification Board
Ashover (Derbyshire)	C	1967	53 09N	01 28W	SK-349629	Mr. H. Martin
Askham Bryan (North Yorkshire)	A	1936	53 57N	01 05W	SE-552475	Institute of Agriculture
Astwood Bank (Hereford & Worcester)	C	1977	52 15N	01 56W	SP-045611	Mr. D. Payne
Auchen Castle (Dumfries & Galloway)	C	1972	55 20N	03 29W	NT-061049	Forestry Commission
Auchincruive (Strathclyde)	A	1932	55 29N	04 34W	NS-389236	West of Scotland Agricultural College
Audley End (Essex)	C	Not Publ.	52 01N	00 13E	TL-525384	Anglian Water Authority
Avonmouth (Avon)	D	1953	51 30N	02 43W	ST-505787	Port of Bristol Authority
Aylesbury (Buckinghamshire)	A	1945	51 47N	00 47W	SP-842114	County Education Committee
Bala (Gwynedd)	C	1971	52 54N	03 35W	SH-936356	Welsh National Water Development Authority
Ballylumford (Antrim)	C	1968	54 51N	05 47W	ID-424017	N.I. Electricity Service
Ballypatrick Forest (Antrim)	C	1962	55 10N	06 09W	ID-176387	N.I. Ministry of Agriculture
Ballywalter Park (Down)	C	1971	54 32N	05 30W	IJ-623681	Lord Dumleath
Ballywatticock (Down)	C	1974	54 34N	05 41W	IJ-516719	Mr. D. Crowe
Balmacara (Highland)	C	1953	57 17N	05 39W	NG-800276	Highland Regional Council
Balmoral (Grampian)	C	1906	57 02N	03 12W	NO-260946	Balmoral Estate
Baltasound (Shetland)	C	1907	60 46N	00 53W	HP-607089	Mr. S. S. S. Polson
Banagher, Caugh Hill (Londonderry)	C	1970	54 53N	06 58W	IC-663047	Department of the Environment
Banchory (Grampian)	C	1968	57 03N	02 30W	NO-700957	Mr. L. E. Bromfield
Banff (Grampian)	C	1914	57 40N	02 31W	NJ-689647	Grampian Regional Council
Bangor, Seacourt (Down)	C	1976	54 39N	05 38W	IJ-497825	S.E. Education & Library Board
Bardsey Island (Gwynedd)	X	1961	52 45N	04 48W	SH-111206	Trinity House
Bargrennan (Dumfries & Galloway)	C	1959	55 04N	04 34W	NX-361789	Forestry Commission
Barr (Strathclyde)	C	1959	55 13N	04 43W	NX-286941	Forestry Commission
Bastreet (Cornwall)	X	1971	50 33N	04 29W	SX-245765	S.W. Water Authority



Station(Region/County)	Type	First published in MWR	Lat.	Long.	Grid Reference	Authority
Bath (Avon)	C	1901	51 22N	02 22W	ST-751638	Beechen Cliff School
Bedford R.A.E. (Bedfordshire)	M	1964	52 13N	00 29W	TL-049597	Meteorological Office
Belfast Harbour (Antrim)	D	1967	54 38N	05 53W	IJ-363777	Harbour Commissioners
Belfast, Malone (Antrim)	C	1968	54 33N	05 58W	IJ-315691	Queen's University
Belfast, Milltown (Down)	C	1973	54 32N	05 56W	IJ-332687	Mr. L. J. A. McDowell
Belfast, Rosebank (Down)	C	1971	54 35N	05 52W	IJ-379718	N.I. Electricity Service
Belliston (Fife)	C	1974	56 14N	02 48W	NO-500055	Mr. J. M. Roger
Bell Rock (Tayside)	X	1930	56 26N	02 24W	NO-763272	Northern Lighthouse Board
Benbecula (Western Isles)	M	1943	57 28N	07 22W	NF-782555	Meteorological Office
Benmore, Younger Botanic Garden (Strathclyde)	C	1936	56 01N	04 59W	NS-141856	Department of the Environment
Benson (Oxfordshire)	M	1974	51 37N	01 05W	SU-633909	Meteorological Office
Betws-y-Coed (Gwynedd)	C	1977	53 06N	03 47W	SH-803572	Drapers Field Centre
Bexhill (East Sussex)	C	1908	50 50N	00 28E	TQ-737072	Southern Water Authority
Bidston (Merseyside)	C	1977	53 24N	03 04W	SJ-287898	Institute of Oceanographic Sciences
Binbrook (Lincolnshire)	M	1964	53 27N	00 12W	TF-195958	Meteorological Office
Birmingham, King Edward's School (West Midlands)	C	1960	52 27N	01 55W	SP-052835	King Edward's School
Blackburn Sewage Works (Lothian)	C	1975	55 53N	03 35W	NT-005653	Forth River Purification Board
Blackwall (Greater London)	X	Not Publ.	51 31N	00 01E	TQ-394807	Trinity House
Blairgowrie (Tayside)	C	1961	56 31N	03 21W	NO-175438	Perth & Kinross District Council
Blairvadach (Strathclyde)	C	Not Publ.	56 01N	04 47W	NS-260852	Sailing & Outdoor Centre
Blyth (Northumberland)	D	1976	55 08N	01 30W	NZ-316822	Alcan Ltd
Blyth Bridge (Borders)	A	1958	55 42N	03 22W	NT-141463	Agricultural Research Council
Blythe (Borders)	C	1974	55 45N	02 40W	NT-585495	Mr. J. Logan McDougal
Bognor Regis (West Sussex)	H	1939	50 47N	00 41W	SZ-934989	Arun District Council
Bolton (Greater Manchester)	C	1968	53 35N	02 27W	SD-724115	Bolton Metropolitan Borough
Bonchester Bridge (Borders)	C	1977	55 24N	02 39W	NT-587115	Forestry Commission
Boscombe Down (Wiltshire)	M	1931	51 10N	01 45W	SU-172403	Meteorological Office
Botwnnog (Gwynedd)	C	1961	52 51N	04 34W	SH-263313	Ysgol Botwnnog
Boulmer (Northumberland)	M	1976	55 25N	01 36W	NU-253142	Meteorological Office
Bournemouth, Meyrick Park (Dorset)	H	1902	50 43N	01 53W	SZ-071917	County Borough Council
Bournemouth, Dorset Tech. College (Dorset)	H	Not Publ.	50 43N	01 53W	SZ-076936	County Borough Council
Bowhill (Borders)	C	1952	55 32N	02 54W	NT-428278	Buccleuch Estates Ltd
Boxworth (Cambridgeshire)	A	1952	52 15N	00 01W	TL-346640	Experimental Husbandry Farm
Bradford (West Yorkshire)	C	1908	53 49N	01 46W	SE-149352	Bradford Metropolitan District Council
Braemar (Grampian)	C	1887	57 00N	03 24W	NO-152914	Mr. J.C. Donaldson
Bramham (West Yorkshire)	A	1954	53 52N	01 20W	SE-431412	Leeds University
Brawdy (Dyfed)	M	1974	51 52N	05 08W	SM-851248	Meteorological Office
Bridgend (South Glamorgan)	C	1975	51 30N	03 33W	SS-919796	Welsh National Water Development Authority
Bridlington (Humberside)	H	1954	54 06N	00 12W	TA-175689	Yorkshire Water Authority
Brighton (East Sussex)	H	1948	50 49N	00 08W	TQ-313040	Brighton Borough Council
Brighton Marina (East Sussex)	C	Not Publ.	50 49N	00 06W	TQ-334033	Lewis & Duvivier
Brize Norton (Oxfordshire)	M	1968	51 45N	01 35W	SP-292067	Meteorological Office
Broadwell (Warwickshire)	C	Not Publ.	52 18N	01 19W	SP-457659	Mr G. H. Thompson
Brodick Castle (Strathclyde)	C	1966	55 36N	05 09W	NS-013377	National Trust
Bromley (Greater London)	C	1927	51 24N	00 01E	TQ-399693	Borough Council
Brooms Barn (Suffolk)	A	1965	52 16N	00 34E	TL-753657	Lawes Agricultural Trust
Brynamman (Dyfed)	X	1970	51 49N	03 52W	SN-718143	Mr. D. G. Morgan
Bude (Cornwall)	C	1913	50 50N	04 33W	SS-208063	Bude-Stratton Town Council
Bugbrooke Mills (Northamptonshire)	C	1963	52 13N	01 00W	SP-681586	Anglian Water Authority
Burghfield (Berkshire)	D	Not Publ.	51 25N	01 01W	SU-686683	Royal Ordnance Factory
Burrington (Devon)	X	1978	50 56N	03 59W	SS-606168	Civil Aviation Authority
Bush House (Lothian)	A	1954	55 51N	03 12W	NT-244636	Edinburgh & East of Scotland College of Agriculture
Butser, Hillhampton (Hampshire)	C	Not Publ.	50 58N	00 59W	SU-717187	Butser Ancient Farm Project
Buxton (Derbyshire)	C	1907	53 15N	01 55W	SK-059735	Borough of High Peak
Bwlchgwyn (Clwyd)	C	1950	53 04N	03 08W	SJ-236520	Wrexham & E. Denbigh Water Co.
Cairngorm (Highland)	C	1964	57 08N	03 39W	NJ-005049	Cairngorm Sports Development Ltd
Caistor (Lincolnshire)	C	1965	53 29N	00 22W	TA-082019	Cherry Valley Farms Ltd
Caldecott (Leicestershire)	C	1958	52 31N	00 44W	SP-865932	Corby & District Water Co.
Callander (Central)	C	1967	56 15N	04 12W	NN-634080	Town Council



Station(Region/County)	Type	First published in MWR	Lat.	Long.	Grid Reference	Authority
Calshot (Hampshire)	X	1920	50 49N	01 18W	SU-486018	Southampton Harbour Board
Cambridge, Botanic Garden (Cambridgeshire)	C	1884	52 12N	00 08E	TL-456572	University Botanic Garden
Cambridge, National Institute of Agricultural Botany (Cambridgeshire)	A	1952	52 13N	00 06E	TL-434604	National Inst. of Agric. Botany
Camp's Reservoir (Strathclyde)	C	1964	55 29N	03 35W	NS-997226	Strathclyde Regional Council
Cannington (Somerset)	A	1929	51 09N	03 04W	ST-255399	Somerset College of Agriculture & Horticulture
Cape Wrath (Highland)	X	1941	58 37N	05 00W	NC-259747	Northern Lighthouse Board
Cardiff (Bute Park) (South Glamorgan)	C	1978	51 29N	03 19W	ST-176773	City of Cardiff
Cardington (Bedfordshire)	M	1929	52 06N	00 25W	TL-081464	Meteorological Office
Carlisle (Cumbria)	M	1961	54 56N	02 57W	NY-384603	Meteorological Office
Carmarthen (Dyfed)	A	1963	51 51N	04 18W	SN-413183	County Education Committee
Carmoncy (Londonderry)	X	1975	55 01N	07 14W	IC-503197	Department of the Environment
Carnlough (Antrim)	C	1976	54 54N	05 57W	ID-285170	Belfast Education & Library Board
Carnoustie (Tayside)	C	1951	56 30N	02 43W	NO-558244	Angus District Council
Carnwath (Strathclyde)	C	1953	55 42N	03 38W	NS-974464	Lee & Carnwath Estates
Carrigans (Tyrone)	X	1964	54 40N	07 19W	IH-435810	Mr R. J. McConnell
Cartmel (Cumbria)	C	1970	54 11N	02 57W	SD-381783	Rev. Canon M. D. Grieve
Cassley (Highland)	C	1977	58 10N	04 44W	NC-396232	North of Scotland Hydro-Electric Board
Castle Archdale Forest (Fermanagh)	C	1964	54 28N	07 42W	IH-189593	Grassland Experimental Centre
Cavendish (Suffolk)	C	1978	52 05N	00 38E	TL-801468	Mr. M. G. J. Pizzey
Cawood (North Yorkshire)	A	1953	53 50N	01 08W	SE-561366	Experimental Horticultural Station
Cellarhead (Staffordshire)	X	1978	53 02N	02 05W	SJ-944494	Central Electricity Generating Board
Cenarth (Powys)	X	1976	52 32N	03 32W	SN-957772	Mr. T. I. Evans
Chatham South (Kent)	C	Not Publ.	51 22N	00 31E	TQ-757659	Chatham South Secondary School
Chawleigh (Devon)	X	1978	50 54N	03 49W	SS-727123	Mr. M. L. H. Sampson
Cheltenham (Gloucestershire)	C	1962	51 54N	02 03W	SO-946218	Borough Council
Chopwellwood (Tyne & Wear)	C	1911	54 55N	01 47W	NZ-136580	Forestry Commission
Christchurch (Dorset)	C	1958	50 44N	01 47W	SZ-155937	West Hants Water Co.
Cilfynydd (Mid Glamorgan)	X	1974	51 38N	03 18W	ST-099939	Central Electricity Generating Board
Clacton-on-Sea (Essex)	H	1902	51 47N	01 09E	TM-172143	Tendring District Council
Clashnoir (Grampian)	C	1977	57 17N	03 17W	NJ-225220	North of Scotland College of Agriculture
Clatteringshaws (Dumfries & Galloway)	C	1964	55 05N	04 16W	NX-554780	South of Scotland Electricity Board
Cleethorpes (Humberside)	H	1925	53 33N	00 01W	TA-314081	Cleethorpes District Council
Coatbridge (Strathclyde)	C	1952	55 21N	04 03W	NS-714643	Strathclyde Regional Council
Cockle Park (Northumberland)	A	1898	55 13N	01 41W	NZ-200912	King's College
Coleraine University (Londonderry)	A	1970	55 09N	06 41W	IC-843349	The New University of Ulster
Colonsay (Strathclyde)	C	1935	56 05N	06 11W	NR-383959	Rt. Hon. Lord Strathcona
Coltishall (Norfolk)	M	1964	52 46N	01 21E	TG-262229	Meteorological Office
Colwyn Bay (Clwyd)	H	1897	53 17N	03 43W	SH-861787	Borough Council
Coningsby (Lincolnshire)	M	1970	53 05N	00 10W	TF-224568	Meteorological Office
Cookstown (Tyrone)	A	1963	54 34N	06 45W	IH-816748	Loughry Agricultural College
Coolkeeragh (Londonderry)	C	1971	55 03N	07 15W	IC-479838	N.I. Electricity Service
Corgary (Fermanagh)	X	1973	54 26N	08 03W	IG-965546	Mr. P. J. Maguire
Corpach (Highland)	C	1968	56 50N	05 09W	NN-080764	Scottish Pulp & Paper Mills
Corwen (Clwyd)	A	1959	52 57N	03 25W	SJ-048399	Agricultural Research Council
Coulport (Strathclyde)	C	Not Publ.	56 03N	04 52W	NS-212889	R.N. Naval Ordnance
Coventry Airoort (West Midlands)	C	1976	52 22N	01 29W	SP-348743	City Council
Craibstone (Grampian)	A	1925	57 11N	02 12W	NJ-872107	North of Scotland College of Agriculture
Craigdarroch (Highland)	C	1973	57 35N	04 36W	NH-442572	Mr. J. D. R. Hendry
Craighouse (Strathclyde)	C	1978	55 50N	05 57W	NR-527680	Small Isles School
Cranwell (Lincolnshire)	M	1920	53 02N	00 30W	TF-003494	Meteorological Office
Crawfordjohn (Strathclyde)	X	1967	55 30N	03 46W	NS-879239	Capt. J. Ross
Crewkerne (Somerset)	C	1977	50 53N	02 47W	ST-448103	Wadham School
Cromer (Norfolk)	H	1902	52 56N	01 17E	TG-208422	North Norfolk District Council
Crumbland (Gwent)	A	1958	51 43N	02 46W	SO-474024	Forestry Commission
Culdrose (Cornwall)	M	1961	50 05N	05 15W	SW-669264	Naval Weather Service
Culterty (Grampian)	C	1976	57 19N	02 00W	NJ-999261	Aberdeen University
Cumnock (Strathclyde)	C	1974	57 27N	04 16W	NS-563200	The Academy, Cumnock



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Cupar (Fife)	C	1975	56 19N	03 02W	NO-363144	Elmwood Agricultural College
Cwmystadrlllyn (Gwynedd)	C	1976	52 59N	04 09W	SH-557442	Welsh National Water Development Authority
Cwmystwyth (Dyfed)	A	1960	52 10N	03 42W	SN-773745	Experimental Husbandry Farm
Dalcross. INVERNESS/DALCROSS (Highland)	M	1968	57 32N	04 03W	NH-766520	Meteorological Office
Dale Fort (Dyfed)	C	1952	51 42N	05 09W	SM-823052	Field Studies Council
Dall (Tayside)	C	1962	56 41N	04 18W	NN-593562	Rannoch School
Dalwhinnie (Highland)	C	1974	56 56N	04 14W	NN-639855	N.E. River Purification Board
Derby (Derbyshire)	C	1956	52 56N	01 28W	SK-359367	City Council
Derrynoyd Forest (Londonderry)	C	1962	54 47N	06 48W	IH-770956	Forestry Division
Diabaig (Highland)	C	1977	57 35N	05 41W	NG-794603	Highland River Purification Board
Dinnet (Grampian)	A	1963	57 07N	02 55W	NJ-446025	North of Scotland College of Agriculture
Divis Mountain (Antrim)	C	1976	54 36N	06 00W	IJ-287751	Queen's University
Douglas (Isle of Man)	H	1884	54 10N	04 29W	SC-382776	Borough Council
Dounreay (Highland)	C	1959	58 35N	03 44W	NC-990670	U.K. Atomic Energy Authority
Dover (Kent)	D	1884	51 07N	01 19E	TR-320410	Dover District Council
Dover R.M.S. (Kent)	C	1976	51 07N	01 19E	TR-327439	Royal Military School
Downpatrick (Down)	C	1969	54 19N	05 43W	IJ-489443	La Salle Community
Downside Abbey (Somerset)	C	1972	51 15N	02 30W	ST-656508	Downside Abbey
Drummond Castle (Tayside)	C	1971	56 20N	03 53W	NN-841177	Drummond Castle Estates
Drungans (Dumfries & Galloway)	X	Not Publ.	55 03N	03 39W	NX-949750	Imperial Chemical Industries Ltd
Duirinish (Highland)	D	1960	57 19N	05 41W	NG-776315	British Transport Commission
Dumfries (Dumfries & Galloway)	C	1906	55 04N	03 36W	NX-982747	West of Scotland Agricultural College
Dunbar (Lothian)	H	1930	56 00N	02 31W	NT-672791	East Lothian District Council
Dundee (Tayside)	C	1907	56 28N	02 56W	NO-422313	College of Education
Dundeugh (Dumfries & Galloway)	C	1959	55 10N	04 12W	NX-598879	Forestry Commission
Dungeness (Kent)	X	1956	50 55N	00 58E	TR-090168	Trinity House
Dunstaffnage (Strathclyde)	C	1972	56 27N	05 26W	NM-881340	Scottish Marine Biological Association
Durham (Durham)	C	1884	54 46N	01 35W	NZ-267416	Durham University
Dyce. ABERDEEN/DYCE (Grampian)	M	1943	57 12N	02 12W	NJ-883125	Meteorological Office
Earls Hill (Central)	X	1963	56 04N	04 03W	NS-725882	Decca Navigation
East Bergholt (Suffolk)	C	1954	51 57N	01 02E	TM-077333	Field Studies Council
Eastbourne (East Sussex)	H	1891	50 46N	00 17E	TV-611980	Borough Council
Easthampstead (Berkshire)	C	1971	51 23N	00 47W	SU-846665	Meteorological Office
East Hoathly (East Sussex)	X	1964	50 55N	00 10E	TQ-512147	Decca Navigation
East Kilbride (Strathclyde)	C	1971	55 45N	04 10W	NS-638535	Department of the Environment
East Malling (Kent)	A	1925	51 17N	00 27E	TQ-708570	Research Station
Edenbridge (Kent)	C	1978	51 12N	00 08E	TQ-492472	East Surrey Water Company
Edgbaston. BIRMINGHAM/EDGBASTON (West Midlands)	X	1900	52 28N	01 56W	SP-046864	Birmingham University
Edinburgh (Lothian)						
Royal Observatory, Blackford Hill	C	1914	55 55N	03 11W	NT-258706	Astronomer Royal for Scotland
East Craigs	A	1959	55 57N	03 19W	NT-183735	Department of Agriculture & Fisheries
Royal Botanic Garden	C	1940	55 58N	03 12W	NT-245755	Department of the Environment
Elgin (Grampian)	C	1953	57 39N	03 17W	NJ-229630	Grampian Regional Council
Elmdon. BIRMINGHAM AIRPORT (West Midlands)	M	1950	52 27N	01 44W	SP-176839	Meteorological Office
Elmstone (Kent)	C	1959	51 17N	01 10E	TR-264606	Mr. J. B. Henderson
Enfield (Greater London)	C	1973	51 39N	00 03W	TQ-352959	Middlesex Polytechnic
Eskdalemuir (Dumfries & Galloway)	M	1910	55 19N	03 12W	NT-235026	Meteorological Office
Everton (Hampshire)	A	1955	50 44N	01 34W	SZ-302937	Experimental Horticultural Station
Exeter. EXETER AIRPORT (Devon)	M	1946	50 44N	03 25W	SY-001933	Meteorological Office
Exmouth (Devon)	H	1913	50 37N	03 24W	SY-015813	East Devon District Council
Exton (Somerset)	X	1974	51 06N	03 29W	SS-962338	Mr. G. Toze
Fair Isle (Shetland)	X	1975	59 32N	01 38W	HZ-210712	Mr. D. Wheeler
Falkirk (Central)	C	1967	56 01N	03 46W	NS-902820	Central Regional Council
Falmouth (Cornwall)	H	1884	50 09N	05 05W	SW-802325	Carrick District Council
Farnborough R.A.E. (Hampshire)	M	1970	51 17N	00 45W	SU-857541	Meteorological Office
Faskally (Tayside)	C	1955	56 43N	03 46W	NN-918599	Department of Agriculture & Fisheries
Faversham (Kent)	A	1959	51 17N	00 52E	TR-007593	National Fruit Trials



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Fernhurst (West Sussex)	A	1952	51 02N	00 42W	SU-908267	Plant Protection Ltd
Filton, BRISTOL/FILTON (Avon)	M	1950	51 31N	02 35W	ST-600805	Meteorological Office
Finningley (South Yorkshire)	M	1943	53 29N	01 00W	SK-659989	Meteorological Office
Fleetwood (Lancashire)	X	1923	53 56N	03 01W	SD-333482	Wyre Borough Council
Floors Castle (Borders)	C	1976	55 36N	02 28W	NT-707345	Roxburghe Estates
Folkestone (Kent)	H	1905	51 05N	01 10E	TR-214369	Shepway District Council
Forden (Powys)	C	Not Publ.	52 36N	03 09W	SJ-220005	Mr E. G. Carswell
Forehill (Grampian)	C	1977	57 30N	01 50W	NK-095463	Grampian Regional Council
Forres (Grampian)	C	1933	57 37N	03 36W	NJ-047587	Grampian Regional Council
Fort Augustus (Highland)	C	1887	57 08N	04 40W	NH-381091	The Abbey
Fort Augustus Hydro-Electric Board FORT AUGUSTUS NSHEB (Highland)	D	1966	57 08N	04 43W	NH-356085	North of Scotland Hydro-Electric Board
Forth Road Bridge (Lothian)	D	1967	56 00N	03 24W	NT-125796	Forth Road Bridge Joint Board
Fortrose (Highland)	C	1911	57 35N	04 05W	NH-749557	Ross & Cromarty District Council
Fowey (Cornwall)	C	1910	50 20N	04 38W	SX-121520	Borough of Restormel
Fraserburgh (Grampian)	X	1968	57 42N	02 00W	NJ-998675	Northern Lighthouse Board
Fyvie Castle (Grampian)	C	1959	57 27N	02 23W	NJ-766392	Sir Ian Forbes-Leith, Bart
Galashiels (Borders)	C	1968	55 37N	02 49W	NT-479367	Borders Regional Council
Garston (Hertfordshire)	C	1954	51 42N	00 23W	TL-123017	Department of the Environment
Gartley (Grampian)	C	1969	57 22N	02 48W	NJ-523323	Forestry Commission
Garvagh Forest (Londonderry)	C	1962	54 58N	06 41W	IC-836159	Forestry Division
Gatwick, LONDON/GATWICK AIRPORT (West Sussex)	M	1959	51 09N	00 11W	TQ-265407	Meteorological Office
Geisgeil (Highland)	C	1978	58 19N	05 08W	NC-170410	Highland River Purification Board
Gillingham (Kent)	C	1956	51 24N	00 34E	TQ-785693	Borough Council
Girdstingwood (Dumfries & Galloway)	C	1971	54 48N	03 57W	NX-742469	King Barracks
Girvan (Strathclyde)	C	1969	55 15N	04 51W	NX-184979	Strathclyde Regional Council
Glasgow, Springburn (Strathclyde)	C	1914	55 53N	04 14W	NS-608686	Glasgow District Council
Glasgow Weather Centre (Strathclyde)	M	1976	55 52N	04 16W	NS-584653	Meteorological Office
Glenbranter (Strathclyde)	C	1926	56 08N	05 02W	NS-113978	Forestry Commission
Glenlee (Dumfries & Galloway)	C	1887	55 06N	04 11W	NX-606805	South of Scotland Electricity Board
Glenlivet (Grampian)	X	1965	57 21N	03 21W	NJ-188303	Mr. J. Williams
Glenlochar Barrage (Dumfries & Galloway)	C	1954	54 58N	03 59W	NX-732646	South of Scotland Electricity Board
Glenmore Lodge (Highland)	X	1952	57 10N	03 42W	NH-986095	Centre for Outdoor Training
Glenrothes (Fife)	C	1972	56 12N	03 13W	NO-250011	Glenwood High School
Glentress (Borders)	C	1960	55 39N	03 08W	NT-283397	Forestry Commission
Gogerddan (Dyfed)	A	1956	52 26N	04 01W	SN-627836	Plant Breeding Station
Gorleston (Norfolk)	X	1915	52 35N	01 43W	TG-534037	Department of Trade & Industry
Goudhurst (Kent)	C	1935	51 04N	00 27E	TQ-722333	Forestry Commission
Grafham Water (Cambridgeshire)	D	1978	52 17N	00 19W	TL-155665	Anglian Water Authority
Grangemouth (Central)	C	1967	56 01N	03 43W	NS-929819	Central Regional Council
Grangemouth Refinery (Central)	C	1971	56 01N	03 42W	NS-943813	British Petroleum
Grantown-on-Spey (Highland)	C	1958	57 20N	03 36W	NJ-039285	Badenoch & Strathspey District Council
Great Dun Fell (Cumbria)	X	1960	54 41N	02 27W	NY-710322	Civil Aviation Authority
Greenmount (Antrim)	A	1964	54 41N	06 13W	IJ-152847	Agricultural College
Greenock (Strathclyde)	C	1915	55 56N	04 46W	NS-274757	Strathclyde Regional Council
Greenock Port (Strathclyde)	D	1973	55 57N	04 46W	NS-275773	Clyde Port Authority
Greenwich (Greater London)	C	1907	51 29N	00 00W	TQ-387776	National Maritime Museum
Grendon Underwood (Buckinghamshire)	C	1963	51 54N	01 01W	SP-678215	Institute of Hydrology
Greycrook (Borders)	C	1974	55 34N	02 38W	NT-599305	East of Scotland Agricultural College
Grizedale (Cumbria)	C	1961	54 21N	03 01W	SD-337941	Forestry Commission
Guernsey (Channel Isles)						
Airport	M	1950	49 26N	02 36W	WV-296760	States Airport
L'Ancrese	H	1967	49 29N	02 32W	WV-337829	States Tourist Committee
Gulval (Cornwall)	A	1925	50 08N	05 32W	SW-486317	Sutton & Sons Ltd
Gwennap Head (Cornwall)	X	1972	50 02N	05 40W	SW-365217	Department of Trade & Industry
Haddington (Lothian)	C	1957	55 57N	02 47 W	NT-513736	East Lothian District Council



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Hadlow College (Kent)	A	1968	51 13N	00 20E	TQ-628497	College of Agriculture & Horticulture
Halstead (Essex)	C	1977	51 57N	00 39E	TL-819309	The Ramsey School
Hampstead (Greater London)	C	1910	51 34N	00 11W	TQ-262863	Mr. R. A. Tyssen-Gee
Hampton (Greater London)	C	1951	51 25N	00 22W	TQ-132694	Thames Water Authority
Hampton Loade (Salop)	C	1977	52 29N	02 22W	SO-752869	Severn-Trent Water Authority
Harlow (Essex)	C	1965	51 46N	00 08E	TL-470101	Standard Telecommunication Labs.
Harrogate (North Yorkshire)	C	Not Publ.	54 01N	01 33W	SE-303579	Yorkshire Water Authority
Harrow Weald (Greater London)	C	1976	51 37N	00 20W	TQ-153920	Borough Council
Hartburn Grange (Cleveland)	C	1970	54 34N	01 22W	NZ-407185	B.T.P. Tioxide Ltd
Hartland Point (Devon)	X	1938	51 01N	04 32W	SS-231277	Department of Trade & Industry
Hartlepool (Cleveland)	C	1952	54 41N	01 12W	NZ-510327	Mr. H. Lamb
Hastings (East Sussex)	H	1935	50 51N	00 34E	TQ-809094	Hastings Borough Council
Haughley (Suffolk)	A	1975	52 14N	00 58E	TM-041640	Haughley Research Farms Ltd
Hawarden Bridge (Clwyd)	C	1901	53 12N	03 01W	SJ-314694	British Steel Corporation
Hawkridge (Somerset)	A	1959	51 05N	03 36W	SS-877327	Experimental Husbandry Farm
Haydon Bridge (Northumberland)	C	1956	54 58N	02 15W	NY-838646	County Technical School
Hayling Island (Hampshire)	H	1956	50 47N	00 59W	SZ-716988	Borough of Havant
Hazelrigg (Lancashire)	C	1977	54 01N	02 47W	SD-493578	Lancaster University
Heaste (Highland)	C	1975	57 11N	05 54W	NG-647178	Mrs. E. N. Waugh
Heathrow. LONDON/HEATHROW AIRPORT (Greater London)	M	1948	51 29N	00 27W	TQ-077767	Meteorological Office
Helens Bay (Down)	C	1964	54 40N	05 45W	IJ-453825	Mr. T. D. Boyd
Helensburgh (Strathclyde)	C	1915	56 01N	04 43W	NS-303837	Strathclyde Regional Council
Helmshore (Lancashire)	A	1953	53 41N	02 20W	SD-774205	Experimental Husbandry Farm
Herne Bay (Kent)	H	1939	51 22N	01 10E	TR-209673	Southern Water Authority
Herstmonceux (East Sussex)	M	1977	50 52N	00 20E	TQ-645099	Meteorological Office
High Bradfield (South Yorkshire)	D	1978	53 26N	01 35W	SK-278930	Sheffield University
High Mowthorpe (North Yorkshire)	A	1952	54 06N	00 38W	SE-888685	Experimental Husbandry Farm
Hillsborough (Down)	A	1931	54 27N	06 04W	IJ-251577	Agricultural Research Institute
Hoddesdon (Hertfordshire)	A	1960	51 46N	00 01W	TL-369106	Experimental Horticultural Station
Honington (Suffolk)	M	1970	52 20N	00 46E	TL-887749	Meteorological Office
Hope (Powys)	C	1978	52 40N	03 07W	SJ-249077	Mr. E. G. Carswell
Huddersfield, Oakes (West Yorkshire)	X	1926	53 39N	01 50W	SE-113177	Mr. S. Morris Bower
Hull (Humberside)	C	1907	53 45N	00 16W	TA-084302	Kingston-upon-Hull District Council
Hunterston (Strathclyde)	C	1967	55 43N	04 54W	NS-180515	South of Scotland Electricity Board
Hurley (Berkshire)	A	1953	51 32N	00 49W	SU-823829	Grassland Research Institute
Hurn. BOURNEMOUTH AIRPORT (Dorset)	M	1963	50 47N	01 50W	SZ-117978	Meteorological Office
Hurstpierpoint (West Sussex)	C	1977	50 57N	00 10W	TQ-292174	Hurstpierpoint College
Hyde Park, Mallusk (Antrim)	C	1974	54 41N	06 00W	IJ-295824	Michelin (Belfast) Ltd
Ilfracombe (Devon)	H	1912	51 12N	04 08W	SS-520478	North Devon District Council
Ilkley (West Yorkshire)	C	1922	53 56N	01 50W	SE-125478	Bradford Metropolitan District Council
Inchterf (Strathclyde)	D	1976	55 57N	04 07W	NS-678759	Ministry of Defence
Innsworth (Gloucestershire)	M	1976	51 53N	02 12W	SO-866214	Meteorological Office
Inverness (Highland)	C	1914	57 29N	04 13W	NH-668462	Fire Brigade
Inverpolly (Highland)	C	1963	58 04N	05 16W	NC-074134	Nature Conservancy Council
Inverurie (Grampian)	C	1968	57 16N	02 22W	NJ-779204	Grampian Regional Council
Isle of Grain (Kent)	D	1956	51 26N	00 42E	TQ-879749	Kent Oil Refinery
Isle of Rhum (Highland)	C	1958	57 01N	06 17W	NM-402996	Nature Conservancy Council
Jersey (Channel Isles)						
Airport	M	1956	49 12N	02 12W	WV-588508	States Airport
Gorey Castle	C	1962	49 12N	02 01W	WV-695545	States Committee of Tourism
St Helier	H	1924	49 12N	02 06W	WV-652493	Harbours & Airport Committee
Keele (Staffordshire)	C	1952	53 00N	02 16W	SJ-820446	Keele University
Keiss (Highland)	C	1973	58 33N	03 07W	ND-355621	Mr. J. Will
Keith (Grampian)	C	1975	57 33N	02 57W	NJ-433518	Grampian Regional Council
Kelso (Borders)	C	1967	55 36N	02 25W	NT-736346	Borders Regional Council
Kensington Palace (Greater London)	C	1918	51 31N	00 10W	TQ-259801	Department of the Environment
Kew (Greater London)	M	1884	51 28N	00 19W	TQ-171757	Meteorological Office
Kielder Castle (Northumberland)	C	1951	55 14N	02 34W	NY-632935	Forestry Commission
Kildonan (Strathclyde)	X	1966	55 26N	05 06W	NS-035209	Department of Trade & Industry
Kilkeel (Down)	X	1957	54 03N	06 00W	IJ-315140	Department of Trade & Industry



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Killin (Central)	X	Not Publ.	56 29N	04 21W	NN-546348	North of Scotland Hydro-Electric Board
Killough (Down)	X	1964	54 14N	05 37W	IJ-540353	Department of Trade & Industry
Kilmarnock (Strathclyde)	C	1907	55 37N	04 31W	NS-414378	Kilmarnock & Loudon District Council
Kilroot Power Station (Antrim)	C	1976	54 43N	06 43W	IJ-433887	N.I. Electricity Service
Kindrogan (Tayside)	C	1973	56 45N	03 35W	NO-054629	Field Studies Association
Kinlochewe (Highland)	C	1954	57 37N	05 18W	NH-024630	Nature Conservancy Council
Kinloss (Grampian)	M	1952	57 39N	03 34W	NJ-067627	Meteorological Office
Kinross (Tayside)	C	1969	56 13N	03 25W	NO-125033	Sir David Montgomery
Kirkcaldy (Fife)	C	1951	56 06N	03 10W	NT-268912	Kirkcaldy District Council
Kirkham (Lancashire)	A	1952	53 48N	02 53W	SD-414347	Experimental Horticultural Station
Kirkintilloch (Strathclyde)	C	Not Publ.	55 57N	04 08W	NS-665743	Mr. A. McGugan
Kirkwall, KIRKWALL AIRPORT (Orkney)	M	1928	58 57N	02 54W	HY-483076	Meteorological Office
Kirton (Lincolnshire)	A	1975	52 54N	00 00W	TF-299395	Min. of Agriculture, Fisheries & Food
Knapdale Forest (Strathclyde)	C	1968	56 04N	05 33W	NR-789909	Forestry Commission
Knockanrock (Highland)	C	1968	58 02N	05 05W	NC-187087	Nature Conservancy Council
Knockarevan (Fermanagh)	X	1974	54 25N	08 05W	IG-944526	Mr. T. McGorty
Knutsford (Cheshire)	C	1962	53 18N	02 21W	SJ-757783	Mr. R. Bowles
Lacock (Wiltshire)	A	1951	51 26N	02 07W	ST-923702	Lackham College of Agriculture
Lagganlia (Highland)	C	1972	57 07N	03 53W	NH-856038	Mr. J. Paisley
Lairg (Highland)	C	1971	58 01N	04 24W	NC-578055	Forestry Commission
Lake Vyrnwy (Powys)	C	1941	52 45N	03 28W	SJ-017188	Severn-Trent Water Authority
Lambourn, Warren Farm (Berkshire)	C	1976	51 32N	01 29W	SU-355817	The Manager, Warren Farm
Lanark (Strathclyde)	C	1965	55 40N	03 47W	NS-875434	Lanark District Council
Largs (Strathclyde)	C	Not Publ.	55 48N	04 51W	NS-215603	Cunninghame District Council
Larkhill (Wiltshire)	M	1920	51 12N	01 48W	SU-137447	Meteorological Office
Leadhills (Strathclyde)	C	1953	55 25N	03 45W	NS-888151	Mr. K. Wilson
Leckford (Hampshire)	C	1936	51 07N	01 27W	SU-393365	Leckford Estate
Leeming (North Yorkshire)	M	1966	54 18N	01 32W	SE-306890	Meteorological Office
Lee-on-Solent (Hampshire)	M	Not Publ.	50 48N	01 13W	SU-560020	Naval Weather Service
Leitholm (Borders)	C	1972	55 42N	02 20W	NT-788453	Mr. P. MacFarlane
Lentran (Highland)	C	1975	57 27N	04 23W	NH-578436	Mr. F. Geddes
Lerwick (Shetland)	M	1939	60 08N	01 11W	HU-453397	Meteorological Office
Letchworth (Hertfordshire)	C	1960	51 58N	00 13W	TL-208346	Anglian Water Authority
Letcombe Regis (Oxfordshire)	C	1961	51 35N	01 27W	SU-380863	Agricultural Research Council
Lethamhill Farm (Northumberland)	C	1977	55 39N	02 06W	NT-936389	Ford & Etal Estates
Leuchars (Fife)	M	1922	56 23N	02 52W	NO-468209	Meteorological Office
Levington (Suffolk)	C	1978	52 01N	01 16E	TM-241399	Fisons Ltd
Lincoln (Lincolnshire)	C	1945	53 14N	00 34W	SK-962719	City Council
Linton-on-Ouse (North Yorkshire)	M	1975	54 03N	01 15W	SE-492615	Meteorological Office
Lisnafillan (Antrim)	C	1964	54 51N	06 19W	ID-075023	Gallagher Ltd
Lisnaskea (Fermanagh)	C	1966	54 16N	07 28W	IH-341351	Milk Marketing Board
Little Butser (Hampshire)	C	Not Publ.	50 59N	00 59W	SU-719209	Butser Ancient Farm Project
Littlehampton (West Sussex)	H	1916	50 48N	00 32W	TQ-033018	Arun District Council
Little Parndon (Essex)	C	1952	51 47N	00 05E	TL-446108	Thames Water Authority
Livingston (Lothian)	C	1970	55 53N	03 32W	NT-035659	Livingston Development Corporation
Lizard (Cornwall)	X	1932	49 57N	05 12W	SW-700119	Department of Trade & Industry
Llanfair Caereinion (Powys)	C	1978	52 39N	03 17W	SJ-133057	Mr R. W. Parr
Llangenny (Powys)	C	1976	51 51N	03 06W	SO-241184	Pendarren House Outdoor Education Centre
Llwynon (Mid Glamorgan)	C	1952	51 47N	03 26W	SO-013115	Welsh National Water Development Authority
Llyn Alaw (Gwynedd)	C	1975	53 20N	04 27W	SH-384854	Welsh National Water Development Authority
Loggerheads (Clwyd)	C	1962	53 03N	03 14W	SJ-201622	Liverpool Education Committee
London Weather Centre (Greater London)	M	1929	51 31N	00 07W	TQ-308816	Meteorological Office
Long Ashton (Avon)	A	1920	51 26N	02 40W	ST-537699	Bristol University
Long Sutton (Hampshire)	A	1924	51 15N	00 56W	SU-748467	Lord Wandsworth College



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Lossiemouth (Grampian)	M	1961	57 43N	03 20W	NJ-213699	Meteorological Office
Lough Bradan (Tyrone)	C	1963	54 36N	07 36W	IH-259725	Rural District Council
Loughermore Forest (Londonderry)	C	1962	54 57N	07 05W	IC-584128	Forestry Division
Loughgall (Armagh)	A	1959	54 24N	06 36W	IH-907519	Plant Breeding Division
Lough Navar Forest (Fermanagh)	C	1962	54 26N	07 54W	IH-062546	Forestry Division
Lowestoft (Suffolk)	H	1899	52 30N	01 45E	TM-543947	Waveney District Council
Low Etherley (Durham)	C	1976	54 39N	01 44W	NZ-169289	Mr. K. Cook
Lowther Hill (Strathclyde)	C	1976	55 23N	03 45W	NS-890107	National Air Traffic Services
Lowtown (Antrim)	A	1966	54 50N	06 01W	ID-276005	Greenmount Agricultural College
Luddington (Warwickshire)	A	1952	52 10N	01 45W	SP-167528	Experimental Horticultural Station
Lurgan (Armagh)	C	1966	54 27N	06 20W	IJ-073569	Craigavon Development Commission
Luton (Bedfordshire)	C	1920	51 53N	00 22W	TL-118216	Airport Director
Lyneham (Wiltshire)	M	1946	51 30N	01 59W	SU-014793	Meteorological Office
Lynemouth (Tyne & Wear)	C	Not Publ.	55 12N	01 32W	NZ-292897	Alcan Lynemouth
Lyonsall (Hereford & Worcester)	C	1948	52 13N	02 58W	SO-339576	Mr. R. H. Green
Macclesfield (Cheshire)	C	1912	53 15N	02 08W	SJ-911741	Borough Council
Machrihanish (Strathclyde)	M	1965	55 26N	05 42W	NR-663226	Meteorological Office
Magherally (Down)	C	1978	54 21N	06 09W	IJ-173472	Mr. J. Elliott
Malham Tarn (North Yorkshire)	C	1950	54 06N	02 10W	SD-893672	Field Studies Council
Malvern (Hereford & Worcester)	C	1912	52 06N	02 18W	SO-790461	Malvern Hills District Council
Manchester Weather Centre (Greater Manchester)	M	1961	53 29N	02 15W	SJ-839985	Meteorological Office
Mansfield (Nottinghamshire)	C	1926	53 09N	01 11W	SK-543619	Mansfield District Council
Manston (Kent)	M	1961	51 21N	01 21E	TR-335666	Meteorological Office
March (Cambridgeshire)	C	1972	52 32N	00 05E	TL-421967	Middle Level Commissioners
Marchmont (Borders)	C	1887	55 44N	02 25W	NT-743484	Mr. R. L. McEwen
Margate (Kent)	H	1898	51 24N	01 24E	TR-368714	Thanet District Council
Marham (Norfolk)	M	1952	52 39N	00 33E	TF-726094	Meteorological Office
Marholm (Cambridgeshire)	C	1978	52 36N	00 19W	TF-145020	Lord Fitzwilliam
Marlborough (Wiltshire)	C	1884	51 25N	01 44W	SU-185686	Marlborough College
Martyr Worthy (Hampshire)	A	1959	51 06N	01 16W	SU-517338	Experimental Husbandry Farm
Medmenham (Buckinghamshire)	C	1963	51 33N	00 50W	SU-805839	Water Research Centre
Mepal (Cambridgeshire)	A	1969	52 26N	00 05E	TL-431826	Min. of Agriculture, Fisheries & Food
Merrist Wood (Surrey)	C	Not Publ.	51 16N	00 37W	SU-967537	Merrist Wood Agricultural College
Mickleham (Surrey)	C	1952	51 16N	00 19W	TQ-173527	Field Studies Council
Middle Wallop (Hampshire)	M	1974	51 09N	01 34W	SU-298387	Meteorological Office
Milford Haven Conservancy Board (Dyfed)	X	1965	51 42N	05 03W	SM-892054	Conservancy Board
Millport (Strathclyde)	C	1975	55 45N	04 54W	NS-175544	University Marine Biological Association
Moel Cynnedd (Powys)	C	1969	52 29N	03 43W	SN-843877	Natural Environment Research Council
Moneydig (Londonderry)	X	1939	54 59N	06 42W	IC-890170	Mr. J. Porter
Monks Wood (Cambridgeshire)	C	1964	52 24N	00 14W	TL-202797	Institute of Terrestrial Ecology
Montrose (Tayside)	C	1917	56 45N	02 29W	NO-707617	Sunnyside Royal Hospital
Moor House (Cumbria)	C	1953	54 41N	02 23W	NY-758328	Nature Conservancy Council
Morecambe (Lancashire)	H	1915	54 04N	02 52W	SD-431645	Lancaster City Council
Moreton Morrell (Warwickshire)	A	1955	52 12N	01 33W	SP-306553	Warwickshire College of Agriculture
Morley St Botolph (Norfolk)	A	1969	52 33N	01 03E	TM-061996	Norfolk Agricultural Station
Moulton Park (Northamptonshire)	C	1977	52 16N	00 53W	SP-765644	Nene College
Mount Batten. PLYMOUTH/MOUNT BATTEN (Devon)	M	1920	50 21N	04 07W	SX-492529	Meteorological Office
Mull of Galloway (Dumfries & Galloway)	X	1958	54 38N	04 51W	NX-157304	Northern Lighthouse Board
Mumbles Head. MUMBLES (West Glamorgan)	X	1959	51 34N	03 59W	SS-626871	Department of Trade & Industry
Murlough (Down)	C	1969	54 15N	05 51W	IJ-407352	Queen's University
Mylnfield (Tayside)	A	1955	56 27N	03 04W	NO-341299	Horticultural Research Institute
Nairn (Highland)	C	1884	57 35N	03 54W	NH-867568	Nairn District Council
Neath (West Glamorgan)	C	1956	51 39N	03 51W	SS-715958	National Oil Refineries Ltd
Ness Gardens (Cheshire)	C	1966	53 16N	03 03W	SJ-305756	Liverpool University



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Nettlecombe (Somerset)	C	1969	51 08N	03 21W	ST-057378	Field Studies Council
Nettlecombe, Birds Hill (Somerset)	C	1977	51 07N	03 20W	ST-055362	Field Studies Council
Newcastle Weather Centre (Tyne & Wear)	M	1976	54 58N	01 37W	NZ-245643	Meteorological Office
Newport (Salop)	A	1928	52 46N	02 26W	SJ-712204	Agricultural College
Newquay (Cornwall)	H	1891	50 25N	05 05W	SW-812614	Borough of Restormel
Newry (Down)	C	1978	54 08N	06 16W	IJ-091247	Department of the Environment
Newthorpe (Nottinghamshire)	C	1973	53 00N	01 17W	SK-477449	Severn-Trent Water Authority
Newton Rigg (Cumbria)	A	1903	54 40N	02 47W	NY-493310	College of Agriculture & Forestry
Newton Stewart (Dumfries & Galloway)	C	1965	54 57N	04 29W	NX-406657	Douglas-Ewart High School
Newtownabbey (Antrim)	A	1965	54 39N	05 55W	IJ-340802	Nematology Laboratory
Newtown Linford (Leicestershire)	C	1960	52 41N	01 13W	SK-530095	Mr. E. A. Bonser
North Heath (West Sussex)	A	1969	50 59N	00 29W	TQ-069227	West Sussex School of Agriculture
North Hessary Tor (Devon)	X	Not Publ.	50 33N	04 00W	SX-577742	British Broadcasting Corporation
Nottingham (Nottinghamshire)	C	1903	52 57N	01 09W	SK-568395	City Council
Nunraw Abbey (Lothian)	C	1973	55 51N	02 39W	NT-594700	Forth River Purification Board
Oaken (Staffordshire)	C	1943	52 35N	02 12W	SJ-857031	Mr. I. H. Houston
Okehampton (Devon)	X	1978	50 43N	04 00 W	SX-585928	Mr & Mrs T. W. Brooks
Onich (Highland)	C	1924	56 43N	05 13W	NN-030635	Forestry Commission
Orielton (Dyfed)	C	1965	51 39N	04 57W	SR-953992	Field Studies Council
Orlock Head (Down)	X	1969	54 40N	05 35W	IJ-559833	Department of Trade & Industry
Oswestry (Salop)	C	1943	52 51N	03 04W	SJ-278293	Liverpool Corporation
Oxford (Oxfordshire)	C	1884	51 46N	01 16W	SP-509072	Radcliffe Observatory
Paisley (Strathclyde)	C	1914	55 51N	04 26W	NS-478642	Coats Observatory
Palnure (Dumfries & Galloway)	C	1959	54 57N	04 25W	NX-452646	Forestry Commission
Parkhead (Central)	C	1971	56 09N	03 55W	NS-812972	Stirling University
Parkmore Forest (Antrim)	C	1965	55 01N	06 07W	ID-203207	Queen's University
Pathhead (Lothian)	C	1975	55 53N	02 56W	NT-413662	Scottish Plant Breeding Research Station
Penicuik (Lothian)	C	1944	55 50N	03 13W	NT-233599	Dr. J. T. Baldwin
Penkridge (Staffordshire)	A	1958	52 42N	02 06W	SJ-920116	Farm Institute
Penmaen (West Glamorgan)	A	1969	51 35N	04 07W	SS-531888	Mr. J. S. Powell
Penwhirrn (Dumfries & Galloway)	C	1959	54 59N	04 55W	NX-127693	Dumfries & Galloway Regional Council
Pen-y-Ffridd (Gwynedd)	A	1955	53 13N	04 09W	SH-563705	University College of North Wales
Penzance (Cornwall)	H	1908	50 07N	05 32W	SW-473300	Penwith District Council
Pershore College of Horticulture (Hereford & Worcester)	A	1957	52 06N	02 03W	SO-959449	College of Horticulture
Perth (Tayside)	C	1914	56 24N	03 27W	NO-101239	Perth & Kinross District Council
Pickering (North Yorkshire)	C	1964	54 15N	00 46W	SE-795842	Mr. J. Randall
Pitreavie (Fife)	M	1961	56 03N	03 25W	NT-117848	Meteorological Office
Plumpton (East Sussex)	A	1966	50 54N	00 05W	TQ-356135	Southern Water Authority
Plymouth Hoe (Devon)	C	1884	50 22N	04 08W	SX-478537	City Council
Point of Ayre (Isle of Man)	X	1935	54 25N	04 22W	NX-463047	Northern Lighthouse Board
Pomeroy Forest (Tyrone)	C	1963	54 35N	06 54W	JH-705724	Forestry Division
Pontefract (West Yorkshire)	C	1926	53 42N	01 19W	SE-452219	King's School
Poole (Dorset)	H	1939	50 45N	01 59W	SZ-005938	Wessex Water Authority
Poolewe (Highland)	C	1962	57 47N	05 36W	NG-861818	National Trust
Port Ellen (Strathclyde)	X	1971	55 41N	06 16W	NR-329516	Department of Trade & Industry
Porthcawl (Mid Glamorgan)	C	1972	51 27N	03 43W	SS-822771	Ogwr Borough Council
Portland Bill Coastguard (Dorset)	X	1967	50 31N	02 27W	SY-677692	Department of Trade & Industry
Porton (Wiltshire)	M	1918	51 07N	01 42W	SU-210366	Meteorological Office
Port Talbot (West Glamorgan)	C	1953	51 34N	03 45W	SS-789867	Steel Company of Wales
Post Office Tower (Greater London)	D	1974	51 31N	00 09W	TQ-291820	Meteorological Office



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Prabost (Highland)	X	1960	57 28N	01 19W	NG-418501	Mr. R. M. Murray
Prawle Point (Devon)	X	1972	50 12N	03 43W	SX-773351	Department of Trade & Industry
Prestatyn (Clwyd)	H	1939	53 21N	03 24W	SJ-061837	Borough of Rhuddlan
Preston (Lancashire)	C	1952	53 46N	02 42W	SD-537311	Preston Polytechnic
Preston Montford (Salop)	C	1977	52 43N	02 50W	SJ-432144	Preston Montford Field Centre
Preston Wynne (Hereford & Worcester)	A	1952	52 07N	02 30W	SO-565475	Rosemaund Experimental Husbandry Farm
Prestwick (Strathclyde)	M	1939	55 30N	04 35W	NS-369261	Meteorological Office
Princetown (Devon)	C	1912	50 33N	03 59W	SX-586741	H.M. Prison
Rannoch (Tayside)	D	1959	56 41N	04 35W	NN-423575	British Transport Commission
Raunds (Northamptonshire)	C	1942	52 20N	00 31W	SP-991721	Mr. T. C. Smith
Reading (Berkshire)	A	1904	51 26N	00 56W	SU-739719	Reading University
Redesdale (Northumberland)	A	1976	55 15N	02 16W	NY-835955	Experimental Husbandry Farm
Rhoose. CARDIFF - WALES						
AIRPORT (South Glamorgan)	M	1954	51 24N	03 21W	ST-064679	Meteorological Office
Rhuvaal (Strathclyde)	X	1958	55 55N	06 08W	NR-425792	Northern Lighthouse Board
Rhyl (Clwyd)	H	1899	53 19N	03 30W	SJ-002807	Borough of Rhuddlan
Ringway. MANCHESTER AIRPORT (Greater Manchester)	M	1942	53 21N	02 16W	SJ-821849	Meteorological Office
Rodney Stoke (Somerset)	C	1966	51 15N	02 43W	ST-488501	Nature Conservancy Council
Rogate (West Sussex)	C	1970	51 00N	00 51W	SU-809237	London University
Ronaldsway. ISLE OF MAN/ RONALDSWAY AIRPORT (Isle of Man)	X	1948	54 05N	04 38W	SC-279687	Isle of Man Government
Rosetta (Down)	C	1965	54 34N	05 55W	IJ-346712	Carolan Grammer School
Rosewarne (Cornwall)	A	1954	50 13N	05 18W	SW-643412	Experimental Horticultural Station
Roslin (Lothian)	C	1974	55 51N	03 09W	NT-273636	Poultry Research Centre
Rothamsted (Hertfordshire)	A	1884	51 48N	00 21W	TL-132134	Experimental Station
Rothsay (Strathclyde)	C	1908	55 50N	05 04W	NS-083649	Mr. J. B. Simpson
Rugby (Warwickshire)	C	1956	52 22N	01 15W	SP-507749	Rugby Weather Bureau
Rumleigh (Devon)	C	Not publ.	50 29N	04 11W	SX-445677	Plymouth Polytechnic
Rustington (West Sussex)	A	1961	50 49N	00 31W	TQ-048032	Glasshouse Crops Research Inst.
Ruthin (Clwyd)	C	1960	53 07N	03 18W	SJ-133584	Brynhyfryd School
Ryde (Isle of Wight)	H	1914	50 44N	01 10W	SZ-595929	Borough Council
St Abb's Head (Borders)	X	1937	55 55N	02 08W	NT-914693	Northern Lighthouse Board
St Albans (Hertfordshire)	A	1923	51 46N	00 18W	TL-182076	Institute of Agriculture
St Andrews (Fife)	H	1913	56 20N	02 48W	NO-503167	North East Fife District Council
St Austell, Bethel (Cornwall)	C	1977	50 21N	04 45W	SX-041532	Borough of Restormel
St Catherines Point (Isle of Wight)	X	1959	50 35N	01 17W	SZ-506755	Trinity House
St Helens (Merseyside)	C	1976	53 26N	02 46W	SJ-488938	Pilkington Glass
St James Park (Greater London)	C	1905	51 30N	00 08W	TQ-299799	Meteorological Office
St Johns (Cornwall)	C	1976	50 37N	04 22W	SX-327839	S.W. Water Authority
St Kilda (Western Isles)	C	Not publ.	57 48N	08 34W	NF-104991	R.A. Range
St Mawgan (Cornwall)	M	1956	50 26N	05 00W	SW-873642	Meteorological Office
Sandown (Isle of Wight)	H	1908	50 39N	01 09W	SZ-604846	South Wight Borough Council
Santon Downham (Norfolk)	A	1959	52 28N	00 41E	TL-813901	Forestry Commission
Saxa Vord (Shetland)	X	Not publ.	60 50N	00 50W	HP-631167	Ministry of Defence
Scalpay (Western Isles)	C	Not publ.	57 52N	06 42W	NG-215967	Scalpay Junior Secondary School
Scampton (Lincolnshire)	M	1975	53 19N	00 33W	SK-966802	Meteorological Office
Scarborough (North Yorkshire)	H	1884	54 17N	00 25W	TA-031884	Borough Council
Scatsta (Shetland)	C	Not publ.	60 27N	01 18W	HU-382730	U.S.C.G. Lormonsta
Scilly. SCILLY/ST MARY'S (Cornwall)	X	1884	49 56N	06 18W	SV-910120	Department of Trade & Industry
Scole (Norfolk)	C	1972	52 22N	01 11E	TM-151 788	Mr. L. Atkinson
Seahouses (Northumberland)	X	1965	55 35N	01 39W	NU-218321	Department of Trade & Industry
Sellafield (Cumbria)	C	1952	54 25N	03 30W	NY-027032	British Nuclear Fuels Ltd
Shanklin (Isle of Wight)	H	1948	50 37N	01 11W	SZ-581808	South Wight Borough Council
Shawbury (Salop)	M	1946	52 48N	02 40W	SJ-553221	Meteorological Office
Sheffield, Dore (South Yorkshire)	C	1977	53 20N	01 32W	SK-309817	Mr. S. T. Whitaker
Sheffield, Weston Park (South Yorkshire)	C	1898	53 23N	01 29W	SK-339873	Sheffield City Museums
Sheffield University (South Yorkshire)	D	1975	53 23N	01 29W	SK-341875	Sheffield University



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<i>Shin</i> (Highland)	X	1964	57 57N	04 25W	NH-573974	Generating Station
Shinfield, N.I.R.D. (Berkshire)	A	1976	51 25N	00 57W	SU-729684	National Institute for Research in Dairying
Shipston-on-Stour (Warwickshire)	C	1941	52 04N	01 42W	SP-213407	Sir Adrian Beecham, Bart.
Shirburn Model Farm (Oxfordshire)	C	1969	51 40N	00 59W	SU-695971	Mr. J. D. G. Parker
Shoeburyness (Essex)	M	1903	51 32N	00 49E	TQ-948857	Meteorological Office
Shrewsbury (Salop)	C	1930	52 43N	02 43W	SJ-517136	Severn-Trent Water Authority
Sidmouth (Devon)	C	1924	50 41N	03 14W	SY-124873	East Devon District Council
Silent Valley (Down)	C	1978	54 07N	06 00W	IJ-305216	Department of the Environment
Silpho Moor (North Yorkshire)	A	1953	54 20N	00 31W	SE-957946	Forestry Commission
Silsoe (Bedfordshire)	A	1953	52 01N	00 25W	TL-092358	National Institute of Agricultural Engineering
Skegness (Lincolnshire)	H	1904	53 09N	0021 E	TF-569631	East Lindsey District Council
Skokholm Island (Dyfed)	C	1976	51 42N	05 16W	SM-739051	Field Studies Council
Slaidburn (Lancashire)	C	1955	53 59N	02 26W	SD-717547	N.W. Water Authority
Slapton (Devon)	C	1961	50 11N	03 37W	SX-824449	Field Studies Council
Sloy (Strathclyde)	X	1966	56 15N	04 43W	NN-321098	North of Scotland Hydro-Electric Board
<i>Snaefell</i> (Isle of Man)	X	Not publ.	54 15N	04 28W	SC-397880	Civil Aviation Authority
Snaizholme (North Yorkshire)	A	1976	54 16N	02 15W	SD-830865	Mr. H. Kemp
Southampton, Mayflower Park (Hampshire)	M	1884	50 54N	01 24W	SU-416112	Meteorological Office
Southampton Weather Centre (Hampshire)	M	1976	50 54N	01 24W	SU-420115	Meteorological Office
South Gare (Cleveland)	D	1977	54 39N	01 08W	NZ-557283	Tees & Hartlepool Port Authority
Southgate (Greater London)	C	1940	51 38N	00 07W	TQ-299952	Enfield Borough Council
Southport (Merseyside)	H	1897	53 40N	02 58W	SD-371207	N.W. Water Authority
Southsea (Hampshire)	H	1959	50 48N	01 06W	SZ-640990	City of Portsmouth
South Shields (Tyne & Wear)	D	1914	55 00N	01 26W	NZ-373677	Tyne Port Authority
Sparsholt (Hampshire)	C	1977	51 05N	01 25W	SU-427319	Hampshire College of Agriculture
Spurn Point (Humberside)	X	1977	53 34N	00 07E	TA-399108	Department of Trade & Industry
Squires Gate. BLACKPOOL AIRPORT (Lancashire)	M	1944	53 46N	03 02W	SD-316317	Meteorological Office
Stanford-le-Hope (Essex)	C	1975	51 30N	00 26E	TQ-685814	Anglian Water Authority
Stanhope Farm (Borders)	A	1957	55 33N	03 24W	NT-123296	Agricultural Research Council
Stanstead Abbots (Hertfordshire)	C	1959	51 46N	00 00	TL-389100	Thames Water Authority
Stansted. STANSTED AIRPORT (Essex)	M	1953	51 53N	00 13E	TL-531226	Meteorological Office
Starcross (Devon)	A	1950	50 38N	03 27W	SX-972821	Ministry of Agriculture, Fisheries & Food
Stirling, Batterflats (Central)	C	1918	56 07N	03 57W	NS-786925	Stirling District Council
Stone (Staffordshire)	A	1955	52 53N	02 11W	SJ-878321	Agricultural Research Council
Stonehaugh (Northumberland)	C	1976	55 05N	02 19W	NY-795762	Forestry Commission
<i>Stonehaven</i> (Grampian)	C	1909	56 58N	02 12W	NO-875864	Grampian Regional Council
Stonyhurst (Lancashire)	C	1884	53 51N	02 28W	SD-692388	Stonyhurst College
Stormont Castle (Down)	C	1958	54 35N	05 48W	IJ-402749	Works Division
Stornoway (Western Isles)	M	1884	58 13N	06 19W	NB-464332	Meteorological Office
Strabane (Tyrone)	C	1967	54 49N	07 27W	IH-352974	Western Education & Library Board
Stratford-upon-Avon (Warwickshire)	A	1957	52 11N	01 44W	SP-164549	Experimental Husbandry Farm
Strathallan (Tayside)	C	1969	56 21N	03 28W	NO-090185	Strathallan School
Strathconon (Highland)	C	1969	57 33N	04 48W	NH-329551	Forestry Commission
Stronachullin (Strathclyde)	C	1976	55 58N	05 26W	NR-851795	Fish Farm Developments Ltd
<i>Sumburgh</i> (Shetland)	M	Not publ.	59 53N	01 18W	HU-393106	Meteorological Office
Sutton Bonington (Nottinghamshire)	A	1924	52 50N	01 15W	SK-507259	School of Agriculture
Sutton Bridge (Lincolnshire)	C	1977	52 45N	00 11E	TF-481203	Potato Marketing Board
Swanage (Dorset)	H	1939	50 37N	01 57W	SZ-030794	Town Council
Swansea (West Glamorgan)	C	1908	51 37N	03 55W	SS-642923	City Council
Tandragee (Armagh)	C	1971	54 22N	06 26W	IJ-023478	N.I. Electricity Service
Tarbatness (Highland)	X	1950	57 52N	03 46W	NH-947875	Northern Lighthouse Board
<i>Tavistock</i> (Devon)	C	1912	50 33N	04 10W	SX-482748	S.W. Water Authority
Teignmouth (Devon)	H	1910	50 33N	03 29W	SX-941728	Teignbridge District Council
Tenby (Dyfed)	H	1974	51 40N	04 42W	SN-138005	Tenby Borough Council
Terrington St Clement (Norfolk)	A	1951	52 45N	00 18E	TF-547187	Experimental Husbandry Farm
Thorney Island (West Sussex)	D	1958	50 49N	00 55W	SU-760026	Meteorological Office



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Threave (Dumfries & Galloway)	C	1962	54 56N	03 57W	NX-751607	National Trust for Scotland
Tieveenny (Tyrone)	C	1974	54 43N	07 30W	IH-325863	Department of the Environment
Tiree (Strathclyde)	M	1927	56 30N	06 53W	NL-999446	Meteorological Office
Todmorden (West Yorkshire)	C	1976	53 43N	02 06W	SD-934249	Todmorden Grammar School
Tomatin (Highland)	C	1975	57 20N	04 00W	NH-793294	Highland River Purification Board
Torbay, Torquay (Devon)	H	1891	50 28N	03 31W	SX-909638	Borough of Torbay
Torrisdale (Highland)	C	1977	58 31N	04 17W	NC-674621	Maj. L.C.S. Spray
Totnes (Devon)	C	1941	50 27N	03 42W	SX-797629	Dartington Hall Trustees
Traad Point (Londonderry)	C	1974	54 43N	06 31W	IH-957872	The New University of Ulster
Trawscoed (Dyfed)	A	1952	52 20N	03 57W	SN-674736	Experimental Husbandry Farm
Trawsfynydd (Gwynedd)	X	1962	52 56N	03 56W	SH-694389	Central Electricity Generating Board
Tregaron (Dyfed)	C	1976	52 15N	03 58W	SN-667625	Nature Conservancy Council
Trowbridge (Wiltshire)	C	1977	51 19N	02 13W	ST-845583	Dr. G. T. Meaden
Tummel Bridge (Tayside)	X	1965	56 42N	04 01W	NN-772590	North of Scotland Hydro-Electric Board
Turnhouse. EDINBURGH AIRPORT (Lothian)	M	1949	55 57N	03 21W	NT-159739	Meteorological Office
Tynemouth (Tyne & Wear)	X	1912	55 01N	01 25W	NZ-374695	Department of Trade & Industry
Ulcombe (Kent)	X	1974	51 11N	00 38W	TQ-843475	Mr. R. W. Sharp
Upavon (Wiltshire)	M	1956	51 18N	01 46W	SU-162552	Meteorological Office
Uplawmoor (Strathclyde)	C	1978	55 45N	04 30W	NS-432552	Strathclyde Regional Council
Usan (Tayside)	X	1966	56 41N	02 27W	NO-724544	Department of Trade & Industry
Usk (Gwent)	A	1924	51 42N	02 55W	SO-370018	Usk College of Agriculture
Valley (Gwynedd)	M	1942	53 15N	04 32W	SH-310758	Meteorological Office
Ventnor (Isle of Wight)	H	1952	50 36N	01 13W	SZ-556778	South Wight Borough Council
Waddington (Lincolnshire)	M	1947	53 10N	00 31W	SK-988653	Meteorological Office
Waddon (Greater London)	C	1921	51 21N	00 07W	TQ-314639	Thames Water Authority
Wallingford (Oxfordshire)	C	1961	51 32N	01 10W	SU-617898	Institute of Hydrology
Walsall (West Midlands)	C	1943	52 37N	01 55W	SK-058010	Mr. J. C. W. Day
Wareham (Dorset)	D	1977	50 40N	02 11W	SY-870867	Freshwater Biological Association
Warsop (Nottinghamshire)	A	1953	53 13N	01 07W	SK-591699	Experimental Husbandry Farm
Washington (Tyne & Wear)	C	1975	54 54N	01 29W	NZ-328557	Northumbrian Water Authority
Watnall. NOTTINGHAM WEATHER CENTRE (Nottinghamshire)	M	1948	53 00N	01 15W	SK-503456	Meteorological Office
Wattisham (Suffolk)	M	1960	52 07N	00 58E	TM-026514	Meteorological Office
Wealdstone (Greater London)	C	1942	51 35N	00 20W	TQ-144898	Kodak Ltd
Wellesbourne (Warwickshire)	A	1953	52 12N	01 36W	SP-271565	National Vegetable Research Station-
West Freugh (Dumfries & Galloway)	D	1949	54 51N	04 57W	NX-109546	Meteorological Office
West Kirby Park (Merseyside)	C	1926	53 23N	03 11W	SJ-216865	Metropolitan Borough of Wirral
West Linton (Borders)	C	1907	55 45N	03 21W	NT-150520	Central School
Weyland (Orkney)	C	1977	58 59N	02 57W	HY-455115	North of Scotland College of Agriculture
Weymouth (Dorset)	H	1908	50 37N	02 29W	SY-661795	Weymouth & Portland Borough Council
Whitby (North Yorkshire)	H	1939	54 29N	00 37W	NZ-893104	Scarborough Borough Council
Whitby Coastguard (North Yorkshire)	X	1963	54 29N	00 36W	NZ-904114	Department of Trade & Industry
Whitchester (Borders)	C	1964	55 49N	02 27W	NT-721589	Mrs. S. E. Landale
Whitechurch (Dyfed)	C	1976	51 59N	04 41W	SN-162356	Antur Dyfed Ltd
Whiteford Burrows (West Glamorgan)	C	1977	51 37N	04 15W	SS-438941	National Trust
Whitehall Gardens (Greater London)	D	Not publ.	51 27N	00 10W	TQ-302798	Department of the Environment
Whitehills (Tayside)	C	1963	56 55N	02 54W	NO-448800	Tayside Regional Council
Wick (Highland)	M	1884	58 27N	03 05W	ND-364522	Meteorological Office
Widdy Bank Fell (Durham)	C	1975	54 40N	02 17W	NY-818297	Nature Conservancy Council
Wilsden (West Yorkshire)	X	1973	53 49N	01 52W	SE-088349	Central Electricity Generating Board
Wincanton (Somerset)	C	1963	51 04N	02 25W	ST-704286	King Arthur's School
Winchester (Hampshire)	C	1953	51 05N	01 19W	SU-475294	City Council
Winfrith (Dorset)	C	1963	50 40N	02 15W	SY-820870	U.K. Atomic Energy Authority
Wingerworth (Derbyshire)	C	1969	53 12N	01 27W	SK-371669	Mr. D. S. B. Fellowes
Wisley (Surrey)	A	1904	51 17N	00 26W	TQ-063583	Royal Horticultural Society



Station(Region/Country)	Type	First Published in MWR	Lat.	Long.	Grid Reference	Authority
Wittering (Cambridgeshire)	M	1955	52 37N	00 28W	TF-043026	Meteorological Office
Woburn (Bedfordshire)	A	1904	52 01N	00 35W	SP-964360	Lawes Agricultural Trust
Woodburn North (Antrim)	C	1968	54 45N	05 53W	IJ-367905	Queen's University
Worthing (West Sussex)	H	1899	50 50N	00 21W	TQ-160035	Worthing Borough Council
Writtle (Essex)	A	1941	51 44N	00 26E	TL-677069	Essex Institute of Agriculture
Wye (Kent)	A	1924	51 11N	00 57E	TR-057469	Wye College (University of London)
Wyton (Cambridgeshire)	M	1957	52 21N	00 07W	TL-283745	Meteorological Office
Yarner Wood (Devon)	C	Not publ.	50 36N	03 44W	SX-785784	Nature Conservancy Council
Yeovilton (Somerset)	M	1965	51 00N	02 38W	ST-551237	Naval Weather Service
York, Heslington (North Yorkshire)	C	1966	53 57N	01 02W	SE-630511	Archbishop Holgate's School

Returns from the following stations ceased during 1978 but the stations are included in the above list because some information was received during the year:

Balmacara	Cannington	Leitholm
Blairgowrie	Carnoustie	Lethamhill Farm
Bournemouth	Glenrothes	Little Parndon
(Meyrick Park)	Gulval	Sloy
Bugbrooke Mills	Hope	Stonyhurst

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 the stations are non-standard, especially with regard to temperature and rainfall, since the readings are taken at urban roof sites.







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# MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

**JANUARY****1978**

VOLUME 95

NUMBER 1

## Unsettled, with severe gales; heavy snowfall in north.

A succession of fronts with intervening ridges of high pressure crossed all areas from the west during the first 10 days of the month. On the 11th a deepening depression moved south-eastwards across the British Isles, leaving a very strong northerly flow in its wake. This was followed by a ridge of high pressure from the Azores anticyclone, while weak fronts moved across Britain from the north-west. Pressure fell rapidly on the 15th and a cold front moved slowly eastwards across the British Isles during the next two days. The weak ridge which followed was short-lived, and from the 19th until the end of the month a series of frontal systems from the Atlantic moved across all areas. Some of the associated depressions were very vigorous, particularly that which crossed central and northern England on the 28th and 29th. A very strong northerly airstream which developed behind this depression was followed by a weak ridge on the 30th and by further fronts from the west on the 31st.

### Weather

The month was generally unsettled, with severe gales at times. Wintry showers of hail, sleet or snow occurred on a number of days and there were heavy falls of snow in the north. It was also wet in many areas. Notable events were a whirlwind in Newmarket (Suffolk) on the 3rd, severe gales causing widespread damage along the east coast of England on the 11th/12th, and an exceptionally severe blizzard which affected northern Scotland on the 28th and 29th. Fog formed extensively on the 7th/8th and the 17th/18th, but was otherwise infrequent and mostly local. In spite of the changeable weather, some parts had a sunny month.

### Wind

Except at the end of the first week and around mid-month, winds were frequently fresh or strong, reaching gale force in exposed places. The gales were widespread and severe at times. Westerly gales developed on the night of the 2nd/3rd, when the high-level station at Snaefell (Isle of Man) recorded a gust of 110 kt; and severe northerly gales affected many areas, especially in eastern and south-eastern England, on the 11th/12th, when a tidal surge in the North Sea exceeded the danger level at a number of places along the coast. The heavy seas breached sea defences, and rivers draining the Fenland area burst their banks. The gales and floodwater caused considerable damage to property and farmland, and several seaside piers were reported to be irreparably damaged. The exceptionally rough weather also caused a number of deaths at sea. Gales were again widespread and severe on the 28th and 29th, when northerly gales, combined with heavy snowfall, brought blizzard conditions to northern Scotland.

### Temperature

Monthly mean temperatures were between 0.5 and 1.0 °C below average in Cornwall, northernmost counties of England and over much of Scotland, but were mostly within 0.5 °C of the normal elsewhere. Temperatures were variable during the first half of the month: there were some cold nights,

particularly in the Scottish Highlands on the 3rd/4th, when the temperature fell to -18.2 °C at Lagganlia, but a number of places also recorded their monthly maxima during this period. The rest of the month was generally colder, especially in the north, and the night of the 17th/18th was very cold almost everywhere. A brief mild spell occurred in some southern and western districts at the beginning of the last week, the temperature rising to at least 12 °C at several places in south-west England on the 23rd. Ground frost was reported on many nights and air frost occurred frequently in the north.

### Rainfall (including melted snow)

Rainfall was below or about average in some western districts, but was above normal elsewhere, with monthly totals exceeding 150 per cent of average in parts of Northern Ireland, eastern Scotland and England. More than twice the normal amount of precipitation was reported over high ground in places in Cumbria and the Grampian Region of Scotland, even though drifting snow made measurement difficult in mountainous areas. Except during the latter part of the first week and around mid-month, showers and outbreaks of rain, sleet or snow occurred frequently. The rain was heavy at times, although much of the precipitation in the north, particularly during the second half of the month, fell as snow.

### Snow

Showers of snow, sleet and hail fell mostly in northern districts between the 2nd and the 4th, but in many other places as well between the 9th and the 12th and from the 16th onwards. The snow was heavy in northern areas on the 10th; undrifted depths of 25 to about 40 cm were reported over high ground in Scotland and a depth of 22 cm was measured in level snow in Northern Ireland. Snowfall was again heavy in parts of northern and eastern Britain on the 19th. The snow fell continuously for about 12 hours over southern and central Scotland, accumulating to a level depth of 17 cm at Glasgow/Abbotsinch Airport. Maximum falls in

central and eastern England mostly occurred at this time, with depths of 10 - 12 cm in places in level snow. The heaviest snow fell at the end of the month, however, and north-east Scotland experienced a severe blizzard on the 28th and 29th. Very deep drifts caused by the gale force winds made accurate measurement extremely difficult, but undrifted depths of 40 to 60 cm were reported at several places and by the 30th the snow had accumulated to a depth of 90 cm at Clashnoir (Grampian Region). The exceptional weather brought considerable hardship to the area and some loss of life.

### Sunshine

Sunshine totals were mostly between 75 and 100 per cent of average in East Anglia, the east Midlands, Lincolnshire and Kent and over most of northern Scotland. Monthly totals were near to or above normal elsewhere and in some areas exceeded 150 per cent of average. This was the sunniest January at Torbay (Torquay) and Teignmouth in south Devon since 1952 and at Glasgow's Springburn Park since 1959.

### Fog

Fog formed on coasts and hills from time to time and overnight fog patches developed in inland areas, but much of the month was too windy for the development of widespread fog. There were some occasions, however, notably on the nights of the 7th/8th and the 17/18th, when fog, which was dense and freezing in places, formed in many areas and in parts of eastern England persisted during the following day. The flight schedules at London/Heathrow Airport were severely disrupted on the 8th and the airport was closed all day on the 18th. Visibility was also reduced during periods of heavy snowfall.

### Miscellaneous Phenomena

Whirlwinds were reported in Hull (Humberside) and Newmarket (Suffolk) on the 3rd. Extensive damage occurred in Newmarket, cars were overturned and people were blown off their feet, but apparently no one was seriously injured.

**Table 1 District values**

District	air temperature °C					mean 30-cm earth temp °C	rain- days	rainfall	sun- shine
	Highest	Lowest	max.	min.	mean				
	Max. *	Min. *	difference from average						
0 Scotland N	10.5	-8.2	-0.7	-0.8	-0.7	+0.3	+4	111	85
1 Scotland E	11.3	-15.0	-0.5	-0.6	-0.6	+0.6	+1	124	115
2 England E & NE	10.6	-8.7	-0.3	-0.6	-0.5	+0.1	+4	158	90
3 East Anglia	9.6	-7.0	-0.1	-0.1	-0.1	+0.6	+2	135	81
4 Midland Counties	10.5	-7.2	-0.1	-0.1	-0.1	+0.3	+3	132	108
5 England SE & Central S	10.4	-7.8	+0.2	0.0	+0.1	+0.3	+3	139	105
6 Scotland W	10.5	-12.9	-0.7	-0.8	-0.7	+0.3	+4	124	114
7 England NW & Wales N	10.1	-7.7	-0.4	+0.2	-0.1	+0.4	+6	115	108
8 England SW & Wales S	11.8	-6.2	0.0	-0.1	-0.1	0.0	+2	121	122
N Ireland	9.8	-5.1	-0.5	-0.3	-0.4	+0.4	+3	119	122
Scotland	11.3	-15.0	-0.6	-0.7	-0.7	+0.4	+3	120	105
England & Wales	11.8	-8.7	-0.1	-0.1	-0.1	+0.3	+3	133	102

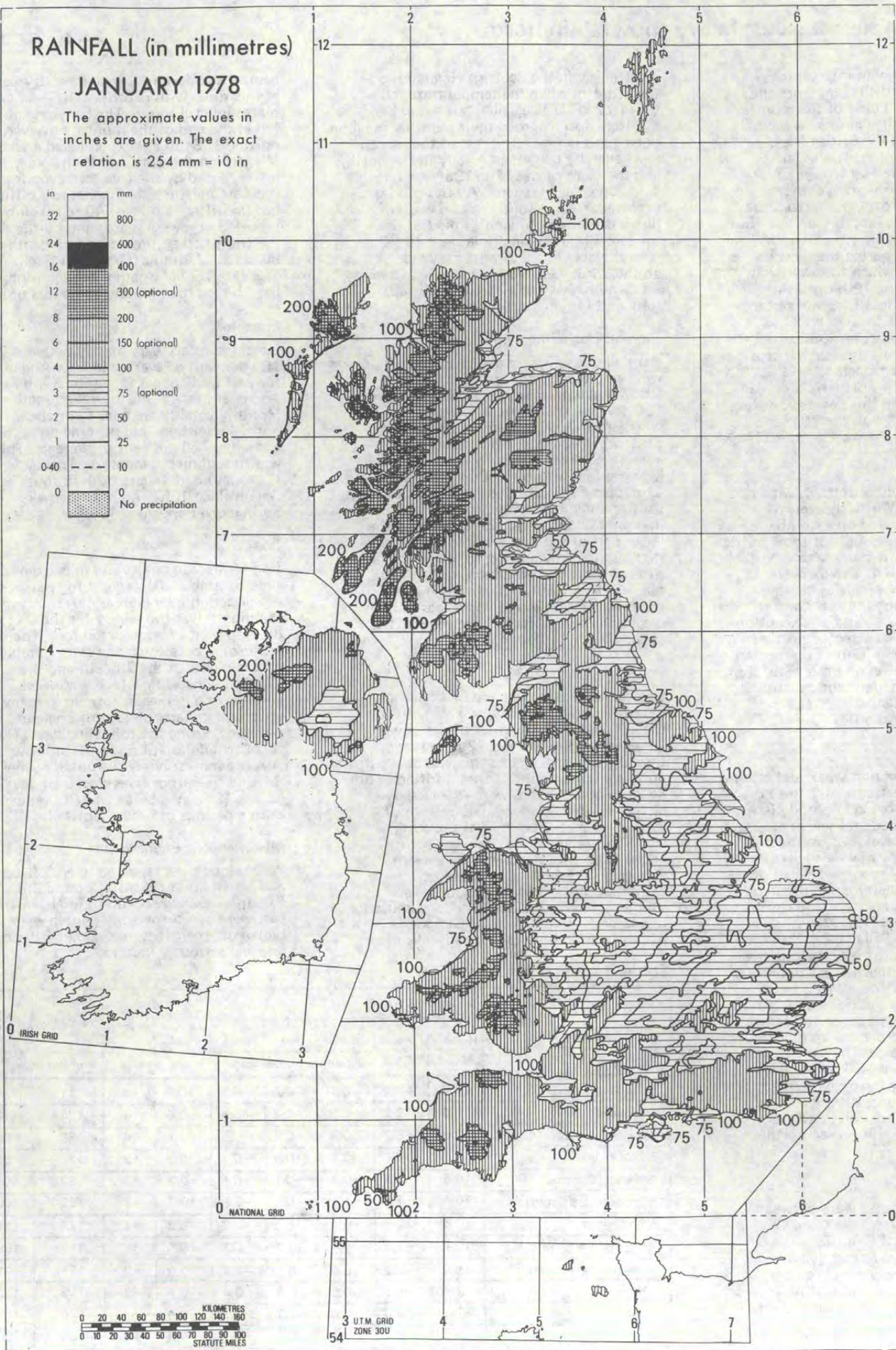
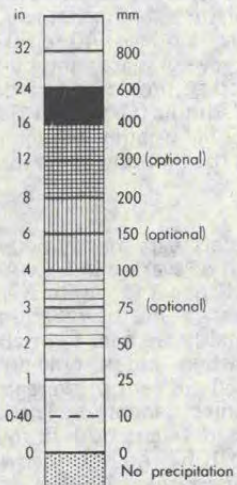
\*Highest maximum and lowest minimum of District Value Stations



# RAINFALL (in millimetres)

## JANUARY 1978

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





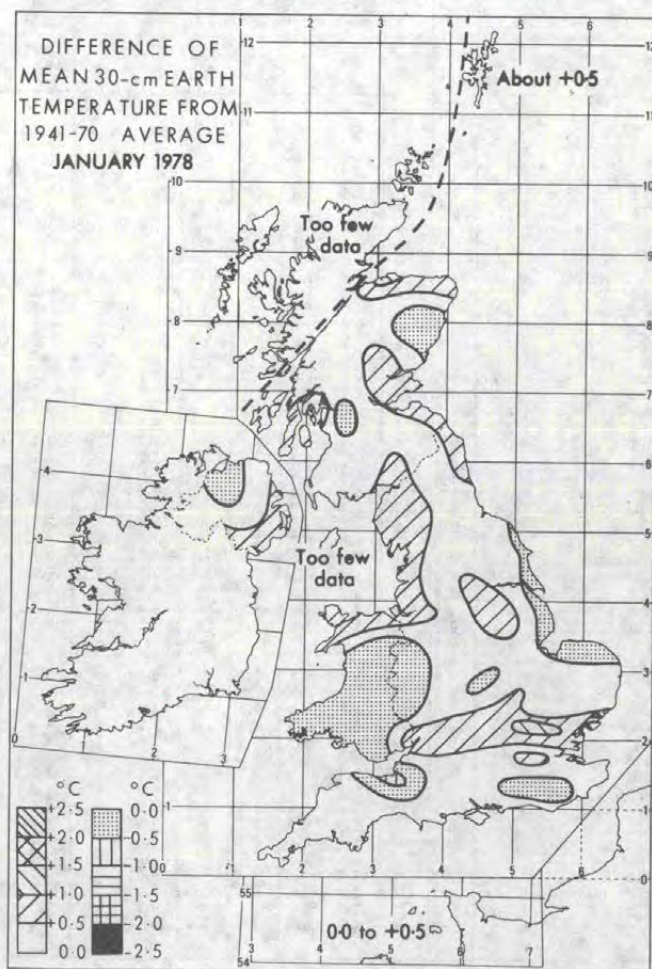
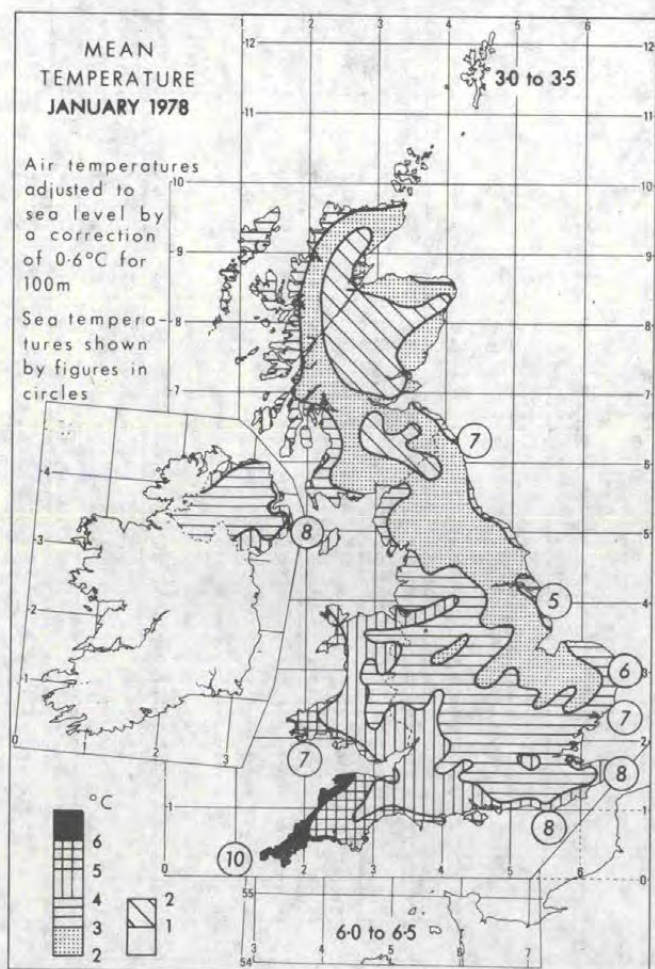
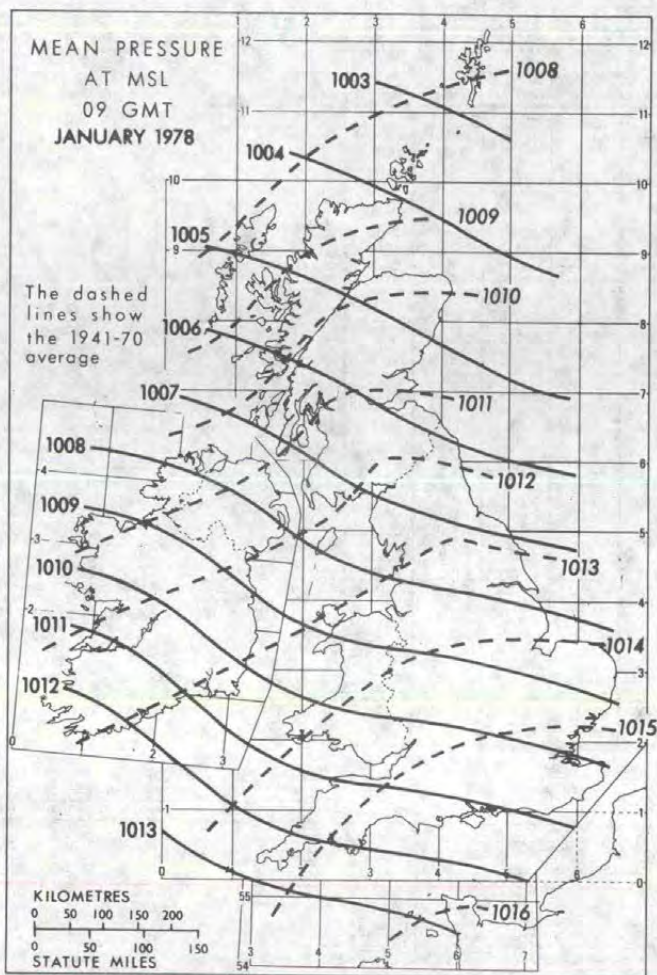




TABLE 2 SOLAR RADIATION

JANUARY 1978

STATION	DAILY GLOBAL IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)						DAILY DIFFUSE IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	2.4	30	0.1	22	0.9	31	1.8	31	0.1	22	0.8	31
ABERDEEN UNIVERSITY	3.2	15	0.4	28	1.6	31						
ESKDALEUIR	6.0	30	0.3	23	2.0	31	2.2	14	0.3	19.23	1.2	31
MOOR HOUSE	5.0	17	0.5	7	2.3	31						
SUTTON BONINGTON	4.3	26	0.5	11.29	1.8	31						
GRAHAM WATER	5.1	25	0.5	11	2.0	31						
ABERPORTH	6.7	30	0.7	16	2.5	31	3.1	26	0.7	15.16	1.5	31
CARDINGTON	5.3	25	0.5	11	2.0	28	2.1	26	0.5	11	1.5	28
SILSOE	5.1	20	0.5	11.16	2.2	31	2.2	21	0.4	16	1.5	31
ROTHAMSTED												
GARSTON												
WALLINGFORD	5.4	25	0.3	11	1.9	31						
LONDON WEATHER CENTRE	4.7	18	0.5	15	2.0	31	2.3	10	0.5	15	1.4	31
KEN	5.7	25	0.5	15	2.0	31	2.8	28	0.5	15	1.5	31
EASTHAMPTON	5.8	25	0.4	16	2.2	31	2.5	10.28	0.4	16	1.5	31
EAST MALLING	5.6	25	0.2	29	1.8	31						
RUSTINGTON												
EVERTON												
WAREHAM	6.7	18	0.6	15	3.0	31						
JERSEY AIRPORT	6.6	25	0.6	15	3.0	31	3.1	29	0.6	15	2.0	31
ALDERGROVE	5.9	30	0.7	10	2.4	31	2.6	29	0.6	10	1.5	31

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JANUARY 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL 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	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	
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																						
D SCOTLAND N																																
SHEETLAND	9 9	24	5.2	0.8	3.0	-0.1	9.2	5	-4.0	12	4.4	165	130	15	22	31	30	19	8	3	5	1	0	12	-	-	10	0.61	105	-	-	
BALTASOUND	9 9	57	5.0	2.3	3.7	-	9.2	6	-3.4	3	4.9	6.0	119	-	26	28	29	22	20	6	3	14	0	0	8	14	-	19	0.76	-	-	
FAIR ISLE	21-9	82																														
LERWICK			4.4	1.6	3.0	-	8.6	5.6.12	-3.9	31	-	156	-	26	27	31	28	20	9	2	14	2	0	11	19	17	11	0.63	80	-	-	
PSYCHROMETER			4.3	1.2	2.7	-0.3	8.7	5	-4.4	11																						
SCREEN																																
ORKNEY																																
KIRKWALL AIRPORT	21-9	26	4.9	1.3	3.1	-0.5	9.9	5	-3.9	12	-	135	129	37	28	28	21	22	4	5	10	1	0	13	18	20	4	0.99	93	-	-	
WEYLAND	9 9	24	5.5	1.3	3.4	-	110.0	5	-4.3	12	3.8	121	-	(37)	28	22	21	17	7	2	7	0	1	9	22	-	4					
WESTERN ISLES																																
BENBECULA	21-9	6	5.8	1.8	3.8	-0.8	9.5	5	-4.5	27	-	107	-	14	30	30	22	17	2	3	8	2	0	11	17	17	4	1.20	97	-	-	
STORNOWAY	21-9	15	5.4	1.1	3.3	-0.8	9.8	5	-5.0	17	-	118	-	15	2	31	20	16	4	4	9	1	0	15	21	19	4	0.88	75	-	-	
HIGHLAND																																
ACHARY	9 9	107	4.0	-2.7	0.7	-	10.3	5	-12.6	4	3.1	130	-	21	2	24	(19)	14	14	0	1	0	1	21	27	-	2	0.86	-	-	-	
ACHINASHALLACH	9 9	67	4.7	-1.4	1.7	-0.9	9.5	5.6	-8.2	4	-	238	113	30	28	28	23	18	14	0	0	1	0	20	-	-	0	-	-	-	-	
BALMACARA	9 9	4	6.0	0.7	3.3	-	9.9	5	-4.5	27	-	161	103	18	27	26	20	6	7	1	0	1	0	14	-	-	0	-	-	-	-	
CAPE WRATH	21-9	112	4.9	1.7	3.3	-1.0	8.9	5	-3.5	12	-	133	122	27	24	26	22	15	5	1	8	0	1	11	16	17	8	0.65	-	-	-	
CASSLEY	9 9	99	4.3	-1.3	1.5	-	10.0	5.6	(-9.5)	4.5	-	(231)	-	32	24	27	(24)	-	-	-	-	-	-	21	26	-	-	-	-	-	-	
CORPACH	9 9	8	5.2	-0.6	2.3	-	10.7	5	-6.8	4	-	162	-	29	2	25	20	15	9	0	2	1	0	18	22	-	0	-	-	-	-	
CRAIGDARROCH	9 9	38	4.8	-2.4	1.2	-	11.6	5	-9.9	4	-	102	-	21	28	22	15	13	15	0	0	0	2	22	24	-	1	-	-	-	-	
DALCROSS	9 9	11	5.1	-0.3	2.4	-	10.3	5	-7.0	5	-	80	-	21	27	18	13	16	4	0	3	0	-	19	20	-	2	-	-	-	-	
DALMINNIE	9 9	351	2.9	-4.2	-0.7	-	7.6	1	-13.1	27	-	98	-	(12)	9	19	18	16	-	0	0	0	4	26	27	-	0	0.76	-	-	-	
DIABAG	9 9	60	5.4	1.0	3.2	-	9.5	5	-2.5	12	-	157	-	29	28	25	21	11	11	0	3	2	-	15	-	2	-	-	-	-	-	
DOUNREAY	9 9	21	6.0	0.2	3.1	-	10.0	5.6.14	(-3.0)	5.31	-	127	146	(29)	28	24	18	12	0	0	0	0	0	17	21	-	1	1.32	-	-	-	
FORT AUGUSTUS	9 9	21	4.3	-1.6	1.3	-1.2	9.2	5	-10.3	4	-	138	-	33	28	20	19	13	11	0	1	0	2	17	-	-	0	0.65	76	-	-	
FORTROSE	9 9	5	5.1	0.6	2.9	-0.6	9.5	1.5.12	(-4.0)	5	-	84	168	18	27	16	16	-	0	-	-	-	0	13	-	-	-	1.26	89	-	-	
GEISGILL	9 9	12	5.3	0.7	3.0	-	9.8	5	-5.0	4	-	167	-	(25)	28	27	25	-	-	-	-	-	13	-	-	-	-	0	0.76	-	-	
GLENMORE LODGE	9 9	341	3.3	-4.2	-0.5	-	8.2	5	-12.0	28	-	(171)	178	(45)	28	(19)(17)	17	21	0	0	0	2	27	-	-	-	0	0.67	-	-	-	
GRANTOWN-ON-SPEY	9 9	229	3.0	-3.6	-0.3	-	8.7	5	-16.0	5	-	163	-	(54)	28	18	13	17	15	0	1	0	2	23	28	-	0	1.30	-	-	-	
HEARST	9 9	109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
INVERNESS	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
INVERPOLLY	9 9	14	5.6	0.6	3.1	-	9.7	5	-5.0	27	4.4	-	110	-	15	4	28	25	12	5	0	0	0	15	23	-	1	-	-	-	-	
ISLE OF RHUM	9 9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KEISS	9 9	30	5.2	-0.5	2.3	-	9.5	5	-5.7	28	3.1	4.6	90	-	28	28	22	12	14	4	2	3	0	0	18	23	-	3	1.38	-	-	
KNOCKANROCK	9 9	244	3.4	-0.8	1.3	-	8.1	5	-4.6	4	-	(212)	99	(35)	28	(25)(24)	17	18	0	1	0	4	21	24	-	4	-	-	-	-	-	
LAGGANLITA	9 9	250	3.4	-3.3	0.1	-	8.0	5	-18.2	4	-	139	-	34	28	19	17	20	16	0	0	0	4	21	28	-	1	-	-	-	-	
LAIRO	9 9	107	4.0	-2.9	0.5	-	10.3	5	-12.0	4	2.4	4.3	137	-	23	28	25	19	20	14	2	2	0	7	24	27	-	0	-	-	-	
LENTIN	9 9	146	3.8	-1.9	0.9	-	9.6	5	-8.6	5	-	85	-	(21)	27	18	15	13	11	0	0	0	1	22	27	-	7	-	-	-	-	
NAIRN	9 9	6	5.1	-0.6	2.2	-0.6	10.0	5	-7.2	27	-	56	125	17	27	19	11	13	4	0	4	0	0	17	23	-	2	1.59	107	-	-	
ONICH	9 9	15	5.4	-0.4	2.5	-1.0	10.5	5	-7.0	27	-	163	85	23	4	21	21	-	-	-	-	3	16	22	-	-	-	0.67	68	-	-	
POOLENE	9 9	6	5.7	0.9	3.3	-	10.0	5	-3.2	11	-	154	-	21	4	27	21	13	11	0	7	1	0	15	21	-	3	0.89	-	-	-	
PRABOST	9 9	67	4.8	0.2	2.5	-	9.6	4	-4.5	31	-	131	73	15	4	28	26	11	10	2	11	1	0	17	22	-	9	1.00	-	-	-	
STRATHCONON	9 9	107	4.4	-2.5	0.9	-	10.1	5	-11.0	4	-	147	-	24	28	24	18	13	12	0	0	0	-	20	-	-	-	-	-	-	-	
TARBATNESS	21-9	18	4.7	1.7	3.2	0.0	10.0	5	-4.7	4	-	57	-	10	27	17	14	12	5	0	0	0	1	16	-	-	3	-	-	-	-	
TOMATIN	9 9	311	2.9	-3.0	-0.1	-	7.8	5	-14.8	4	-	(113)	-	31	27	(20)(14)	-	-	-	-	-	-	-	22	-	-	-	-	-	-	-	
TORRISDALE	9 9	27	5.5	0.1	2.8	-	10.8	5	-5.3	28	-	115	-	22	28	23	17	11	7	0	3	0	0	15	24	-	5	0.93	-	-	-	
WICK	21-9	36	4.5	0.8	2.7	-0.4	10.1	5	-6.0	11	-	92	113	33	28	22	13	17	0	0	9	0	0	16	21	20	3	1.34	94	-	-	



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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JANUARY 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (HGT) MIN. OF STATION 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	AMOUNT (MM)	DATE	PRECIP- ITATION 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				
		MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																						
1 SCOTLAND E																															
GRAMPIAN																															
ABERDEEN																															
DYCE AIRPORT ...	21-9	58	4.5	-0.7	1.9	-0.4	9.9	1	-6.4	15	-	97	124	36	27	16	13	18	4	0	9	0	0	22	23	24	0	2.22	138	-	
BALMORAL ...	9 9	283	3.4	-4.2	-0.4	-0.9	8.9	5	-11.6	4	-	102	133	(30)	28	20	14	14	13	0	0	0	0	26	29	0	0	0	0	-	
BANCHORY ...	9 9	94	4.9	-1.7	1.6	-	11.2	7	-6.3	28	-	102	-	29	27	17	11	14	9	0	2	0	0	21	23	23	0	1.57	-	-	
BANFF ...	9 9	24	5.4	0.7	3.1	-	9.7	5	-3.7	28	-	74	113	27	28	19	13	9	5	1	2	0	1	16	-	3	3	1.46	-	S	
BREMAR ...	9 9	339	3.0	-4.3	-0.7	-1.1	11.3	1	-15.0	5	-	96	117	(30)	28	17	11	14	-	23	-	-	1	24	31	0	0	0.90	114	S	
CLASHNOIR ...	9 9	338	2.8	-3.9	-0.5	-	7.5	5	-14.2	31	1.1	140	-	39	29	18	14	14	19	1	4	0	2	25	29	4	4	1.65	-	-	
CRAIBSTONE ...	9 9	91	4.8	-0.9	1.9	-0.5	9.8	1	-4.2	27	2.3	80	100	29	27	17	13	11	5	0	1	0	1	21	26	0	0	2.26	135	-	
CULTERTY ...	9 9	3	5.1	-1.3	1.9	-	9.5	1	-5.6	27	-	86	130	27	27	18	15	2	-	0	0	0	0	20	28	0	0	-	-	-	
ELGIN ...	9 9	15	5.6	-0.5	2.5	-	10.5	5	-8.0	5	-	94	165	40	28	15	12	-	-	0	0	0	0	19	27	-	-	1.46	-	S	
FOREHILL ...	9 9	40	5.0	-0.1	2.5	-	9.8	5	-3.3	27	-	94	-	24	27	21	16	10	-	0	0	0	1	15	24	0	0	-	-	-	
FORRES ...	9 9	5	5.3	-0.2	2.5	-0.2	10.3	5	-5.6	5	2.6	72	-	27	28	17	8	12	3	0	0	0	0	18	25	0	0	1.33	83	S	
FRASERBURGH ...	21-9	19	5.4	1.0	3.2	-	10.0	5	-3.5	12	-	93	147	22	27	20	15	8	0	0	0	0	15	20	21	4	4	1.66	-	-	
FYFIE CASTLE ...	9 9	55	4.6	-1.9	1.3	-	10.0	5	-7.0	27,28	-	106	131	30	28	20	18	7	-	0	0	0	-	20	25	-	0	-	-	-	
GARTLY ...	9 9	146	4.4	-1.8	1.3	-	9.8	5	-7.4	27	-	108	-	35	28	18	16	-	-	0	0	0	-	24	29	-	0	-	-	-	
GLENLIVET ...	21-9	215	3.3	-1.3	1.0	-	8.7	5	-12.6	4	-	156	211	51	28	19	14	19	9	0	2	0	3	23	25	27	0	1.72	-	S	
INVERURIE ...	9 9	54	4.7	-2.4	1.1	-	10.3	12	-8.1	27	-	101	-	38	27	18	11	11	6	0	0	0	0	24	28	-	0	1.75	-	-	
KEITH ...	9 9	106	4.7	-1.6	1.5	-	9.1	5,13	-7.2	28	-	116	-	53	28	15	13	15	6	0	1	0	-	22	28	1	1	1.70	-	S	
KINLOSS ...	21-9	5	4.8	0.6	2.7	-0.2	10.3	5	-6.3	4	3.9	63	136	22	28	16	9	15	2	0	4	0	0	18	23	21	4	1.55	-	-	
LOSSIEMOUTH ...	21-9	6	4.9	0.2	2.5	-	10.0	5	-8.0	27	-	93	197	41	28	17	10	19	4	0	4	0	0	20	23	22	3	-	-	-	
TAYSIDE																															
ARBROATH ...	9 9	29	5.2	0.1	2.7	-	11.1	1	-5.1	18	-	77	133	33	27	16	8	3	1	0	0	0	2	14	27	-	0	1.86	106	-	
ARDALNAIG ...	9 9	130	4.2	-1.3	1.5	-	10.0	13	-9.1	4,5	-	151	117	26	9	20	17	14	15	0	0	0	0	19	25	-	3	1.08	-	-	
DALL ...	9 9	232	3.2	-4.1	-0.5	-	8.5	6,7	-13.5	4	-	110	103	(20)	28	18	16	18	20	0	0	0	0	2	24	26	-	0	-	-	-
DRUMMOND CASTLE ...	9 9	113	4.5	-2.4	1.1	-	10.1	1	-10.4	31	2.6	122	-	28	27	16	14	12	17	0	0	0	-	22	27	-	0	1.58	-	S	
DUNDEE ...	9 9	45	5.2	-0.6	2.3	-0.3	10.3	1	-6.4	4	1.9	106	166	42	27	17	14	13	10	0	0	0	5	18	24	-	0	1.88	113	-	
FASKALLY ...	9 9	94	4.3	-2.9	0.7	-	9.6	7	-10.6	27	2.2	96	118	31	27	21	13	15	17	0	0	0	0	21	29	-	0	-	-	-	
KINDROGAN ...	9 9	259	2.7	-3.8	-0.5	-	8.1	1	-11.6	4	-	99	-	17	21	21	15	14	17	0	0	0	1	26	30	-	4	-	-	-	
KINROSS ...	9 9	116	3.7	-3.3	0.2	-	(10.5)	1	-12.7	4	1.6	113	-	26	27	16	14	-	14	-	-	-	26	24	-	-	1.39	-	-	-	
MONTROSE ...	9 9	57	4.7	-1.2	1.7	-	10.2	1	-4.8	18	-	85	131	40	27	13	11	12	5	0	5	0	1	21	27	-	0	-	-	-	
MYLNEFIELD ...	9 9	30	4.5	-1.1	1.7	-	10.2	1	-5.7	18	2.9	110	183	44	27	20	14	10	9	0	0	0	3	20	28	-	0	2.06	-	-	
PERTH ...	9 9	23	5.0	-2.1	1.5	-0.7	10.5	1	-8.4	4	-	96	138	32	27	15	14	-	11	-	-	-	0	20	26	-	1	1.61	126	-	
STRATHALLAN ...	9 9	41	4.6	-1.6	1.5	-	10.3	1	-10.5	5	-	126	-	38	27	16	13	10	16	0	1	0	0	19	28	-	1	-	-	-	
USAN ...	21-9	30	4.6	0.4	2.5	-	10.2	1	-4.0	18	-	75	-	32	27	16	9	6	2	0	0	0	0	15	21	21	1	2.06	-	-	
WHITEHILLOCKS ...	9 9	258	3.9	-2.6	0.7	-	10.0	12,13	-8.5	27	-	(131)	114	36	21	(17)(116)	13	15	-	0	0	0	0	24	28	-	0	-	-	-	
FIFE																															
BELLISTON ...	9 9	82	4.6	-0.2	2.2	-	9.2	1	-6.6	5	3.1	93	143	27	27	18	14	11	8	0	2	0	3	15	26	-	2	-	-	-	
CUPAR ...	9 9	36	4.4	-1.8	1.3	-	9.3	13	-10.6	5	2.4	99	-	29	27	16	13	8	11	0	0	0	-	19	27	-	1	1.42	-	S	
GLENROTHES ...	9 9	117	4.0	-1.9	1.1	-	8.3	8	-8.9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	22	29	-	-	-	-	-	
LEUCHARS ...	21-9	10	4.4	-0.4	2.0	-0.9	10.7	1	-7.3	4	-	103	181	36	27	17	14	16	8	0	1	0	2	19	23	22	1	1.93	110	-	
PITREAVIE ...	21-9	40	4.2	-0.1	2.1	-	9.4	1,5	-7.7	4	-	63	107	15	27	19	13	13	9	0	0	2	1	18	22	23	0	-	-	-	
ST ANDREWS ...	9 9	18	5.0	-0.2	2.4	-	9.7	1	-8.4	4	2.8	111	182	41	27	18	14	4	6	0	0	0	0	16	22	-	0	2.05	-	-	
LOTHIAN																															
BUSH HOUSE ...	9 9	184	4.0	-1.3	1.3	-	8.5	1	-10.0	5	2.0	81	110	(17)	2	22	13	15	14	0	0	0	0	17	26	-	0	1.33	-	-	
DUNBAR ...	9 9	23	5.4	0.8	3.1	-0.4	9.5																								



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JANUARY 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL WIND OF OBSERVATION	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 AMOUNT (MM)	DATE	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							0-2 MM OR MORE	1-0 MM OR MORE														
6 SCOTLAND W																																	
STRATHCLYDE																																	
ACHAGLACHACH ...	9 9	12	5.7	-	-	-	-	9.4	5	-	-	-	-	197	123	33	27	25	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AROS ...	9 9	37	-	-	-	-	-	-	-	-	-	-	-	189	29	21	29	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AUCHINCRAIVE ...	9 9	45	5.8	0.6	3.2	-0.2	9.1	4.5.13	-5.6	18	4.3	6.1	80	96	16	2	19	15	8	2	2	1	0	0	12	21	-	-	0	1.90	125	-	
BENMORE (YOUNGER BOTANIC GARDEN) ...	9 9	12	5.3	-0.3	2.5	-	9.8	13	-5.8	18	3.4	-	234	100	33	2	24	20	11	13	1	3	1	0	15	23	-	-	0	-	-	-	
BRODICK CASTLE ...	9 9	15	6.3	0.9	3.6	-	10.1	13	-3.7	18	4.2	-	287	165	49	27	24	21	9	5	0	1	1	0	13	25	-	-	0	-	-	-	
CAMPS RESERVOIR ...	9 9	295	3.0	-2.7	0.1	-	7.1	6	-11.9	18	-	-	139	125	21	27	26	22	21	18	0	1	0	1	21	-	-	0	-	-	-	5	
CARNWATH ...	9 9	208	3.3	-3.5	-0.1	-	7.6	7	-13.2	4	2.7	-	70	102	16	2	23	16	17	18	1	3	0	3	22	26	26	6	-	-	-	-	
COATBRIDGE ...	9 9	66	4.3	-1.1	1.6	-	9.2	5	-8.0	4	-	-	91	123	15	2	20	15	-	-	-	-	-	-	19	-	-	-	-	-	-	-	
COLONSAY ...	9 9	35	6.2	1.6	3.9	-	9.1	13	-4.0	17	-	-	149	-	20	2	30	25	9	1	8	1	2	0	7	-	-	4	-	-	-	-	
CRAIGHOUSE ...	9 9	4	6.4	1.7	4.1	-	10.0	13	-2.3	17	-	-	217	-	29	2	26	23	10	2	2	5	4	0	8	18	-	-	10	-	-	-	
CRAWFORD JOHN ...	9 9	274	3.0	-2.9	0.1	-	7.2	6	-12.0	18	2.7	-	-	-	-	-	-	-	16	17	0	0	0	0	20	25	27	1	-	1.34	-	-	
CUMNOCK ...	9 9	99	5.1	-0.7	2.2	-	9.0	2.5	-6.8	13	3.3	-	121	-	23	2	23	17	11	4	0	1	0	0	18	24	-	-	6	-	1.73	-	
DUNSTAFFNAGE ...	9 9	3	5.8	0.6	3.2	-	9.7	5	-3.4	13	-	-	131	-	21	8	27	20	12	7	0	0	0	0	13	21	-	-	0	-	-	-	
EAST KILBRIDE ...	9 9	178	4.2	-1.0	1.6	-	7.9	5	-7.1	4	-	-	135	-	22	2	20	16	14	14	0	0	0	0	17	27	-	-	0	-	1.94	-	
GIRVAN ...	9 9	8	6.6	1.9	4.3	-	9.5	6	-3.5	18	-	-	148	148	21	27	24	18	5	0	0	3	0	0	9	15	-	-	9	-	1.59	-	
GLASGOW																																	
ABBOTSLINCH AIRPORT ...	21-9	5	4.7	-0.5	2.1	-1.0	10.2	13	-8.5	18	-	-	112	-	17	27	22	17	18	10	0	3	1	3	16	23	21	0	-	1.69	147	-	
SPRINGBURN PARK ...	9 9	107	4.4	-0.6	1.9	-0.4	8.6	5.13	-6.2	5	-	-	106	114	18	2	20	16	15	18	0	1	2	8	18	28	-	-	0	-	1.80	170	
WEATHER CENTRE (X)	21-9	40	5.1	1.5	3.3	-	10.1	13	-4.0	18	-	-	91	-	15	2	19	15	14	-	0	0	2	0	9	-	-	0	-	0	-	1.88	-
GREENOCK ...	9 9	61	-	-	-	-	-	-	-	-	-	-	176	110	24	27	21	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
HELENSBURGH ...	9 9	96	4.7	-0.9	1.8	-0.9	9.0	5	-6.0	4	-	-	153	104	(20)	2	23	22	-	19	-	-	-	0	18	-	-	-	-	-	1.96	-	
HUNTERSTON ...	9 9	8	6.3	1.9	4.1	-	10.2	5	-3.0	18	-	-	139	-	27	27	22	21	9	2	1	1	0	1	7	-	-	1	-	-	-	-	
KILDONAN ...	9 9	18	6.4	1.1	3.7	-	10.6	13	-3.0	18	-	-	171	-	25	2	27	21	14	-	0	0	0	0	11	19	16	0	-	2.16	-	-	
KNAPDALE FOREST ...	9 9	12	5.8	-0.5	2.7	-	9.8	1	-7.1	18	-	-	195	-	34	21	26	20	18	8	0	0	0	2	16	21	-	-	-	-	-	-	
LEADHILLS ...	9 9	388	2.5	-3.1	-0.3	-	6.8	1	-9.7	18	-	-	187	126	35	21	26	23	18	21	0	1	0	2	24	24	-	-	3	-	-	-	
MACRITHANISH ...	21-9	10	6.0	2.0	4.0	-	9.5	1.5	-5.6	18	-	-	214	179	44	27	24	22	11	2	1	13	1	1	9	18	16	5	-	1.60	-	-	
MILLPORT ...	9 9	5	6.4	-	-	-	10.0	5.13	-	-	-	-	129	116	19	2	23	18	-	-	1	0	0	0	-	-	-	-	0	-	-	-	
PAISLEY ...	9 9	32	5.3	0.2	2.7	-0.7	10.0	13	-4.8	18	3.1	6.3	121	112	21	27	19	17	11	13	0	0	2	2	14	21	-	-	1	-	-	-	
PRESTWICK ...	21-9	16	5.3	0.9	3.1	-	9.6	13	-5.6	18	-	-	79	98	14	2	20	15	14	0	4	0	1	0	14	18	17	0	-	1.99	-	-	
RHUYAL ...	21-9	20	6.1	2.4	4.3	-	9.6	4	-1.5	17	-	-	224	170	40	27	27	22	10	2	2	1	2	0	3	15	14	9	-	-	-	-	
ROTHESAY ...	9 9	43	5.5	1.4	3.5	-	9.5	13	-3.0	18	4.1	5.7	150	114	25	2	20	20	6	2	0	0	0	0	10	19	-	-	-	-	-	-	
SLOY ...	21-9	12	4.7	0.3	2.5	-	10.0	4.5	-7.0	4	-	-	243	-	37	27	22	20	15	-	0	3	2	0	15	-	-	-	-	-	-	-	
STRONACHULLIN ...	9 9	2	6.4	0.7	3.5	-	10.2	5.13.14	-5.2	18	-	-	182	-	26	2	24	18	5	4	1	0	0	1	14	17	-	-	-	-	-	-	
TREES ...	21-9	9	6.2	2.6	4.4	-0.7	9.7	13	-1.6	17	-	-	169	147	23	27	28	21	19	2	2	9	1	0	6	17	17	12	-	1.38	102	-	
UPPLAMOR ...	9 9	128	4.4	-1.9	1.3	-	9.7	6	-8.3	18	-	-	163	-	30	2	22	20	11	14	0	2	0	0	21	25	-	-	0	-	-	-	
CENTRAL																																	
ARROCHMORE ...	9 9	30	5.4	-1.0	2.2	-	9.6	13	-7.7	31	-	-	183	-	34	27	23	18	-	12	-	-	-	0	17	27	-	-	-	-	1.27	-	
CALLANDER ...	9 9	107	4.0	-2.5	0.7	-	9.2	1	-9.9	4	-	-	174	123	25	2	20	19	12	25	0	0	0	0	20	26	-	-	2	-	-	-	
EARLS HILL ...	21-9	335	2.3	-1.9	0.2	-	6.6	7	-8.1	4	-	-	199	-	34	27	20	18	16	-	0	0	3	5	22	26	25	7	-	1.95	-	-	
FALKIRK ...	9 9	3	5.5	-0.9	2.3	-	10.2	13	-7.5	4	-	-	90	-	18	2	20	14	-	-	-	-	-	-	18	-	-	-	-	-	1.53	-	
GRANGEMOUTH ...	9 9	4	5.7	-0.2	2.7	-	9.5	1.5.13	-6.0	4	-	-	76	-	17	2	16	13	7	6	0	0	0	1	15	18	-	-	-	-	-	-	
PARKHEAD ...	9 9	107	5.1	-1.3	1.9	-	9.5	1.7.13	-8.6	4	2.1	-	124	-	15	2.27	19	19	-	8	-	-	-	3	17	-	-	-	-	-	-	-	
STIRLING (BATTERFLATS)	9 9	38	4.7	-1.8	1.5	-	10.0	5.13	-9.6	4	2.9	4.8	122	-	22	2	19	16	10	17	0	2	1	2	18	26	-	-	0	-	1.99	-	
DUMFRIES & GALLOWAY																																	
BARGRENAN ...	9 9	110	5.0	-0.8	2.1	-	9.0	7	-9.4	18	-	-	203	127	28	27	27	20	16	15	2	1	1	0	17	23	-	-	0	-	-	-	
CLATTERINGSHAW ...	9 9	178	4.4	-1.1	1.7	-	8.6	7	-8.6	18	-	-	274	132	36	27	26	21	21	10	6	0	1	0	19	-	-	9	-	1.80	-	-	
DUMFRIES ...	9 9	49	5.0	-0.3	2.3	-0.5	9.3	7	-6.2	18	3.9	5.7	132	133	21	27	26	18	11	5	0	0	1	4	14	27	-	-	1	-	1.87	133	
DUNDEUGH ...	9 9	119	4.8	-1.7	1.5	-	9.9	13	-11.5	18	3.6	-	196	133	27	27	24	20	5	11	0	2	1	0	17	-	-	0	-	-	-	-	
ESKDALENUIR ...	21-9	242	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PSYCHROMETER ...	-	-	2.6	-1.9	0.3	-	8.6	13	-13.1	18	4.0	5.8	140	90	25	2	26	21	19	15	1	7	3	5	24	25	24	3	-	1.56	109	-	
SCREEN ...	-	-	2.7	-1.8	0.5	-0.9	8.8	13	-12.9	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GIRDISTINGWOOD ...	9 9	98	-	-	-	-	-	-	-	-	-	-	104	-	18	27	18	16	-	-	-	-	-	-									



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JANUARY 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT 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	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	
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																						
2 ENGLAND E & NE -CONTINUED																																
DURHAM	99	102	4.8	-0.9	1.9	-0.8	8.8	6	-6.3	18	2.9	5.2	81	139	16	10.28	20	15	-	6	-	-	-	3	17	29	-	-	1.94	117	S	
DURHAM ...	99	155	4.0	-1.7	1.1	-	8.2	6	-6.9	19	2.8	5.7	77	-	14	10	20	13	18	16	0	2	0	3	23	29	27	3	-	-	-	
LOW ETHERLEY ...	99	513	1.8	-2.9	-0.5	-	5.6	13	-9.3	18.31	2.0	-	203	-	23	27	27	24	-	22	-	-	-	8	26	29	-	-	1.35	-	-	
WIDDYBANK FELL ...	99	9	4.8	-1.1	1.9	-	9.8	1	-5.8	18	-	-	68	142	21	10	17	12	10	6	0	2	0	0	16	26	-	3	1.61	-	-	
CLEVELAND	99	31	5.4	0.4	2.9	-0.8	9.4	6.13	-3.8	18	-	-	53	102	20	10	13	10	8	0	0	0	0	0	11	-	-	3	1.88	-	-	
HARTLEPOOL ...	99	9	4.8	-1.1	1.9	-	9.8	1	-5.8	18	-	-	68	142	21	10	17	12	10	6	0	2	0	0	16	26	-	3	1.61	-	-	
HARTBURN ORANGE ...	99	9	4.8	-1.1	1.9	-	9.8	1	-5.8	18	-	-	68	142	21	10	17	12	10	6	0	2	0	0	16	26	-	3	1.61	-	-	
NORTH YORKSHIRE	99	33	4.9	-0.7	2.1	-	8.9	1	-5.5	13	-	-	72	126	13	28	20	14	9	8	0	0	1	3	17	28	-	1	1.53	111	-	
ASKHAM BRYAN ...	99	6	5.0	-0.2	2.4	-	9.3	1	-4.5	13	3.5	5.2	69	130	13	28	16	15	10	5	0	0	0	1	13	23	-	2	1.59	-	-	
CAMOOD ...	99	175	3.5	-0.5	1.5	-	7.4	1	-3.9	18	2.7	-	112	154	22	27	22	16	12	9	1	0	0	1	16	25	-	2	1.43	-	-	
HIGH MOUTHORPE ...	99	32	4.8	0.3	2.5	-	9.7	1	-5.0	31	2.7	5.6	88	155	15	2	20	14	15	6	0	0	0	1	15	20	20	1	1.84	-	-	
LEEMING ...	21-9	395	3.0	(-2.0)	(0.5)	(-0.4)	8.0	13	-6.6	18	-	-	237	173	37	2	25	21	13	0	0	0	0	6	28	30	0	0	-	-	-	
MALHAM TARN ...	99	44	4.6	-1.3	1.7	-	9.7	1	-6.4	4	-	-	96	149	19	2	22	16	14	7	1	2	0	1	20	24	-	0	-	-	-	
PICKERING ...	99	52	5.1	(0.5)	(2.8)	-	10.3	13	-3.6	31	2.7	5.2	86	143	19	2	24	14	8	3	0	2	1	0	9	22	19	3	1.72	127	-	
SCARBOROUGH ...	99	203	4.1	-1.0	1.5	-	8.9	13	-5.9	31	2.5	-	107	129	17	2	26	18	7	9	0	1	0	1	19	30	-	0	1.64	-	-	
SILPHO MOOR ...	99	290	3.4	-1.5	0.9	-	6.7	6	-8.2	5	2.9	-	205	-	36	2	23	19	11	13	0	0	0	3	17	28	-	0	0.71	-	S	
SNATZELHOLME ...	99	41	5.1	0.1	2.6	-	9.3	13	-4.5	31	-	-	78	-	14	27	22	18	12	6	4	0	1	0	12	25	-	3	1.71	-	-	
WHITBY ...	99	60	5.2	1.1	3.1	-	9.9	6	-4.0	31	-	-	60	-	11	27	22	13	8	1	0	1	0	0	10	-	3	-	-	-	-	
WHITBY(COASTGUARD)	21-9	19	5.5	-0.6	2.5	-	9.2	1	-4.5	18	3.3	-	69	126	13	2	18	13	9	4	0	0	0	4	17	25	-	1	1.36	-	-	
YORK(HESLINGTON)	99	48	4.9	-0.6	2.1	-	8.6	1	-6.6	12	-	-	85	125	15	2	23	19	9	1	0	2	1	1	15	-	2	1.73	-	-	-	
HUMBERSIDE	99	7	5.3	0.7	3.0	-0.5	9.0	1	-3.1	19	-	-	83	154	11	11	21	16	-	2	-	-	2	9	-	-	-	1	1.14	73	-	
BRIDLINGTON ...	99	2	5.7	0.4	3.1	-0.4	9.2	1	-4.1	19	3.2	6.1	77	133	10	11	21	17	6	2	1	0	0	3	8	21	-	-	-	-	-	
CLEETHORPES ...	99	2	5.7	0.4	3.1	-0.4	9.2	1	-4.1	19	3.2	6.1	77	133	10	11	21	17	6	2	1	0	0	3	8	21	-	-	-	-	-	
HULL ...	99	2	5.7	0.4	3.1	-0.4	9.2	1	-4.1	19	3.2	6.1	77	133	10	11	21	17	6	2	1	0	0	3	8	21	-	-	-	-	-	
LINCOLNSHIRE	21-9	108	4.1	0.5	2.3	-	7.7	1	-4.7	31	-	-	98	153	17	28	22	15	16	4	0	8	2	1	14	19	17	3	1.14	-	-	
BINBROOK ...	99	21	4.9	-0.3	2.3	-	8.4	1	-4.8	18	-	-	81	-	14	11	21	15	-	-	-	-	-	15	-	-	-	-	-	-	-	
CAISTOR ...	99	62	4.9	-0.2	2.3	-0.4	8.5	9	-5.6	18	2.7	4.4	82	164	16	11	23	14	10	5	0	2	1	2	14	20	21	3	1.37	77	-	
CRANMELL ...	99	4	4.9	-0.1	2.4	-	8.2	2.9	-3.9	18	4.1	6.7	81	-	19	11	21	15	11	3	0	2	1	2	16	23	-	4	1.34	-	-	
KIRTON ...	99	6	5.1	-0.7	2.2	-0.5	8.5	1	-8.7	13	4.1	5.4	67	-	11	28	22	14	13	4	1	0	1	3	15	23	-	0	1.16	-	S	
LINCOLN	99	5	5.4	0.6	3.0	-0.2	8.0	2.9	-3.5	18	-	-	74	142	14	11	19	13	-	-	-	-	-	1	7	14	-	2	1.18	70	-	
SKEGNESS ...	99	4	5.3	0.2	2.7	-	8.6	9	-4.7	19	-	-	80	153	17	11	20	14	10	-	0	0	0	-	12	20	-	1	-	-	-	
SUTTON BRIDGE ...	99	68	4.8	1.0	2.9	0.0	8.4	1	-5.1	18	-	-	77	149	13	11	23	13	14	4	0	1	1	2	13	-	0	1.34	81	-	-	
WADDINGTON ...	21-9	68	4.8	1.0	2.9	0.0	8.4	1	-5.1	18	-	-	77	149	13	11	23	13	14	4	0	1	1	2	13	-	0	1.34	81	-	-	
3 EAST ANGLIA																																
MORFOLK	21-9	17	5.5	1.3	3.4	-	9.2	9	-4.4	19	-	-	73	139	20	23	19	13	14	1	0	4	1	2	10	15	14	3	-	-	-	
COLTISHALL ...	99	54	5.2	0.9	3.1	-0.3	8.3	9	-3.2	19	-	-	74	138	13	11	21	16	14	-	0	4	1	1	7	17	-	2	1.27	77	-	
CROMER ...	99	2	5.1	(1.1)	(3.6)	-	9.0	9	-4.2	18	-	-	50	100	9	24	15	11	9	3	0	0	1	1	2	7	-	8	1.05	64	-	
GORLESTON ...	99	23	5.0	0.5	2.7	-	8.6	9.14	-6.7	18	-	-	81	-	20	11	19	14	10	5	1	2	1	3	13	17	-	2	1.17	-	-	
MARHAM ...	21-9	46	5.0	-0.2	2.4	-	8.0	9	-5.0	18	3.6	-	75	-	18	23	21	13	4	3	1	1	1	3	14	22	-	2	1.21	-	-	
MARLEY ST BOTOLPH ...	99	24	5.4	-0.5	2.5	-	9.0	9	-7.1	18	4.0	5.7	86	151	19	11	22	17	-	2	-	-	-	2	15	27	-	-	0.99	-	-	
SANTON DOWNHAM ...	99	27	5.4	0.0	2.7	-	8.9	9	-5.3	18	3.1	4.9	69	-	15	23	19	15	9	1	1	1	1	2	14	18	-	4	1.21	-	S	
SCOLE ...	99	3	5.2	0.0	2.6	-0.3	8.5	2.9	-4.6	18	3.7	-	89	182	19	11	21	15	5	5	1	0	0	3	14	25	-	0	1.24	74	-	
TERRINGTON ST CLEMENT	99	3	5.2	0.0	2.6	-0.3	8.5	2.9	-4.6	18	3.7	-	89	182	19	11	21	15	5	5	1	0	0	3	14	25	-	0	1.24	74	-	
CAMBRIDGESHIRE	99	53	5.2	0.1	2.7	-	9.1	23	-5.5	18	-	-	65	135	16	11	18	13	7	5	1	0	1	4	13	20	-	1	1.30	-	-	
BOXMOUTH ...	99	53	5.2	0.1	2.7	-	9.1	23	-5.5	18	-	-	65	135	16	11	18	13														



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JANUARY 1978

DISTRICT REGION/COUNTY AND PLACE	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 24 H)	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 AMOUNT (MM)	DATE	PRECIP- ITATION 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	
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																					
4 MIDLAND COUNTIES																															
WEST YORKSHIRE																															
BRADFORD ...	9 9	134	4.8	0.1	2.5	-0.2	7.7	2.6	-3.5	31	3.2	5.5	104	122	20	2	23	17	14	5	2	0	1	1	13	20	1	1.23	117	S	
BRAMHAM ...	9 9	54	5.1	-0.2	2.5	-	8.9	1	-3.8	19	-	-	88	144	24	2	20	16	8	5	0	0	1	2	14	21	1	-	-	-	
HUGGERSFIELD (DAKES)	21-9	232	4.4	0.5	2.5	-0.0	8.2	6	-4.0	18.31	2.8	4.6	101	101	22	2	25	18	15	7	0	1	2	0	12	20	1	1.61	121	-	
ILKLEY ...	9 9	83	5.3	(-0.1)	(2.6)	(-0.1)	8.5	6	-5.1	31	-	-	135	161	21	2,28	21	19	10	6	0	1	0	3	12	18	0	0	1.16	87	-
PONTERFRACT ...	9 9	78	5.4	0.5	2.9	-0.1	8.6	1	-2.8	18.31	-	-	69	143	12	27	20	14	10	4	2	1	1	2	11	-	3	-	-	-	
TODMORREN ...	9 9	160	4.5	0.2	2.3	-	7.3	5	-4.2	31	-	-	151	-	28	28	23	22	14	7	0	6	1	2	12	-	3	-	-	-	
WILSON ...	9 9	262	3.9	-0.7	1.6	-	7.0	2	-5.4	18	-	-	131	-	23	28	18	14	16	11	2	1	1	2	17	24	1	-	-	-	
SOUTH YORKSHIRE																															
FINNINGLEY ...	21-9	10	5.3	0.6	2.9	-	9.9	1	-5.9	18	-	-	56	117	8	28	18	16	13	4	0	2	1	1	14	20	1	1.64	-	-	
SHEFFIELD																															
DORE ...	9 9	206	4.7	0.4	2.5	-	8.4	13	-3.7	18	-	-	137	-	19	2	24	19	18	10	3	5	1	4	13	25	3	-	-	-	
WESTON PARK ...	9 9	131	5.3	(0.7)	(3.0)	(-0.4)	8.7	13	-3.7	18	3.6	5.9	99	123	20	2	23	16	9	7	0	0	1	-	9	-	0	1.69	137	S	
DERBYSHIRE																															
ASHOVER ...	9 9	178	4.6	0.3	2.5	-	7.5	1.6	-4.5	18	-	-	133	-	22	27	24	18	15	8	0	1	0	4	12	18	1	1.45	-	-	
BUXTON ...	9 9	307	4.2	-0.1	2.1	+0.4	7.2	1	-3.9	13	2.6	3.2	196	147	25	10	24	22	13	12	0	0	1	9	15	25	1	-	-	-	
DERBY ...	9 9	48	5.7	0.9	3.3	-	8.9	1	-3.9	18	-	-	71	122	15	28	19	15	9	2	0	1	0	4	10	21	0	1.15	-	-	
WINGERWORTH ...	9 9	116	5.0	-0.2	2.4	-	8.5	1	-7.5	18	2.8	-	111	-	18	27	23	16	8	7	0	2	1	6	14	27	0	1.51	-	-	
NOTTINGHAMSHIRE																															
MANSFIELD ...	9 9	114	5.0	0.5	2.7	-0.1	8.0	1.6	-4.0	18.19	-	-	91	-	16	23	22	17	7	2	0	0	0	1	11	17	0	-	-	-	
NEWTHORPE ...	9 9	58	(5.4)	-0.2	(2.6)	-	8.5	9	-6.2	18	-	-	86	-	16	28	20	14	-	-	-	-	-	-	16	-	3	(1.56)	(129)	-	
NOTTINGHAM ...	9 9	59	(5.9)	(1.1)	(3.5)	(+0.2)	(9.0)	1	-5.0	18	3.3	(5.1)	-	-	-	-	-	-	-	-	0	0	0	2	8	21	1	1.19	88	-	
SUTTON BONINGTON ...	9 9	48	6.0	-0.1	2.9	0.0	9.3	1	-4.9	18	4.3	5.9	75	140	14	28	18	14	8	3	1	0	0	2	16	21	1	1.69	-	-	
WARSOP ...	9 9	46	5.3	0.0	2.7	-	8.7	1	-6.4	18	-	-	72	133	13	23	20	13	6	4	0	0	1	3	12	25	0	-	-	-	
WATNALL ...	21-9	117	5.0	1.0	3.0	+0.1	8.0	9	-5.8	18	-	-	87	131	18	28	19	16	14	5	1	2	0	3	14	20	0	1.23	95	-	
STAFFORDSHIRE																															
KEELE ...	9 9	179	4.5	0.1	2.3	-	7.5	6	-5.4	18	3.3	5.8	101	143	22	28	24	17	11	6	2	0	0	0	3	13	23	1	1.10	-	-
DAKEN ...	9 9	125	5.1	0.0	2.5	-0.2	8.9	2	-8.1	18.19	4.3	-	70	116	14	27	23	18	6	4	0	0	0	3	13	19	0	-	-	-	
PENKRIDGE ...	9 9	101	5.2	-0.5	2.3	-	8.8	2	-7.6	18	-	-	69	116	16	27	24	17	9	3	0	0	0	2	17	20	2	-	-	-	
STONE ...	9 9	107	4.9	0.1	2.5	-	8.2	7	-5.0	18	-	-	96	146	18	28	24	17	14	5	0	1	0	3	14	24	-	2	1.26	-	-
LEICESTERSHIRE																															
CALDECOTT ...	9 9	53	5.2	-0.1	2.5	-	8.5	23	-5.0	18	-	-	79	161	14	11	19	14	8	3	0	0	2	4	15	21	2	1.12	-	-	
NEWTOWN LINCOLN ...	9 9	119	5.0	0.0	2.5	-	8.0	9.23	-5.4	18	-	-	81	137	10	11	19	14	9	6	0	1	0	4	13	17	0	1.28	-	-	
SALOP																															
HAMPTON LOADE ...	9 9	70	6.0	0.8	3.4	-	9.2	2	-6.5	18	-	-	59	-	13	27	18	10	-	-	-	-	-	8	-	-	2	1.73	-	-	
NEWPORT ...	9 9	64	5.7	0.4	3.1	+0.4	8.5	2	-6.2	18	-	-	66	121	9	27	23	16	10	4	0	1	0	3	14	22	2	1.76	128	S	
OSWESTRY ...	9 9	174	5.6	0.9	3.3	+0.2	9.0	1.2	-4.2	18	-	-	105	118	20	10	22	19	9	7	0	2	0	2	8	18	0	2.05	125	S	
PRESTON MONTFORD ...	9 9	67	6.1	0.9	3.5	-	9.7	5	-5.1	18	4.0	5.7	46	-	9	10	20	14	3	2	0	0	0	1	7	20	0	1.88	-	-	
SHAMBUY ...	21-9	72	5.9	1.1	3.5	+0.3	9.2	6	-6.7	18	-	-	67	119	11	27	22	15	12	2	0	0	0	3	13	19	1	1.66	109	-	
SHREWSBURY ...	9 9	56	6.4	1.1	3.7	+0.4	9.5	23	-5.5	18	4.5	6.4	57	107	10	27	19	13	3	0	0	0	0	3	6	21	0	1.74	109	-	
WEST MIDLANDS																															
BIRMINGHAM																															
EDGBASTON ...	21-9	163	5.0	1.6	3.3	0.0	8.7	23	-3.5	18	5.1	-	91	136	24	27	22	15	14	5	8	1	0	2	8	17	0	1.47	107	-	
ELMDON AIRPORT ...	21-9	96	5.5	0.9	3.2	+0.1	9.4	23	-7.2	18	-	-	77	-	16	27	19	14	15	4	1	1	0	1	17	18	1	1.58	111	-	
KING EDWARD'S SCHOOL	9 9	137	5.6	0.5	3.1	-	8.6	23	-5.2	18	-	-	90	143	30	27	20	14	-	4	-	-	-	4	9	-	1	-	-	-	
COVENTRY AIRPORT ...	9 9	81	5.4	-0.4	2.5	-	8.7	2	-7.4	18	4.9	-	64	-	10	23	22	14	4	3	0	0	0	1	16	-	1	1.24	-	-	
WARWICKSHIRE																															
LUDDINGTON ...	9 9	56	5.8	0.4	3.1	-	9.7	2	-5.4	18	-	-	48	-	11	27	18	15	4	2	0	0	0	7	10	20	0	1.59	-	-	
MORETON MORRELL ...	9 9																														



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

9  
JANUARY 1978

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	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	
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																						
5 ENGLAND SE & CENTRAL S.																																
GREATER LONDON																																
BROMLEY ...	9 9	65	6.3	1.1	3.7	0.0	9.0	3.9.23	-5.0	18	-	-	102	186	25	27	15	13	-	0	-	-	-	-	7	-	-	-	-	-	-	-
GREENWICH ...	9 9	7	6.8	1.4	4.1	-	10.2	9	-4.3	19	-	-	80	167	20	11	21	11	4	0	0	0	0	11	13	-	-	-	-	-	-	-
HAMPSTEAD ...	9 9	137	(5.5)	(0.6)	(3.1)	(0.0)	8.8	23	-3.3	18	-	-	90	161	25	11	16	14	5	0	0	0	0	10	21	-	-	-	-	-	-	-
HAMPTON ...	9 9	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HARROW WEALD ...	9 9	98	6.0	-0.2	2.9	-	9.5	23	-5.0	18	5.5	7.4	97	21	11	21	16	-	-	-	-	-	-	15	16	16	-	-	-	-	-	-
HEATHROW AIRPORT ...	21-9	25	6.3	1.4	3.9	+0.2	10.3	23	-5.2	18	-	-	69	132	16	11	19	14	9	0	1	0	0	2	10	19	16	1	1.53	-	-	-
KENSINGTON PALACE ...	9 9	25	(6.4)	(1.3)	(3.9)	(-0.2)	9.6	23	-3.2	19	(5.1)	(7.1)	87	166	25	11	19	14	4	2	0	0	0	1	9	19	16	1	1.53	-	-	-
KEN	21-9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PSYCHROMETER ...			6.3	1.0	3.7	-	10.3	23	-5.6	18	4.9	7.2	79	161	23	11	20	14	7	0	0	1	0	2	14	19	18	0	1.53	99	-	-
NORTH WALL SCREEN ...			6.3	2.1	4.2	0.0	10.0	23	-3.8	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LONDON																																
WEATHER CENTRE (X)	21-9	77	7.0	3.3	5.1	-	10.3	23	-0.9	18	-	-	59	-	16	11	18	12	7	-	0	0	0	1	4	-	-	1	1.62	141	-	-
ST JAMES PARK ...	9 9	9	6.8	1.7	4.3	-0.2	10.3	9	-2.6	18	-	-	85	169	25	11	18	13	-	2	0	0	0	1	7	19	-	-	-	-	-	-
SOUTHGATE ...	9 9	67	6.3	0.7	3.5	0.0	9.7	23	-4.2	18	4.9	-	96	179	26	11	21	14	11	2	0	0	0	1	11	19	0	1	1.65	130	-	-
WADDON ...	9 9	59	-	(1.2)	-	-	-	-	-5.0	18	-	-	(101)	(174)	21	27	(18)	(13)	-	-	-	-	-	(1.8)	-	-	-	-	-	-	-	-
WILTSHIRE																																
BOSCOMBE DOWN ...	21-9	126	6.0	0.9	3.5	+0.2	10.2	23	-6.1	18	-	-	92	128	28	27	20	12	10	1	0	2	0	2	13	21	19	0	2.45	143	-	-
LACOCK ...	9 9	49	6.5	0.2	3.3	-	10.4	23	-6.1	18	-	-	89	137	20	10	22	14	5	0	0	0	0	2	14	21	-	2	-	-	-	-
LARKHILL ...	9 9	132	6.2	0.1	3.1	0.0	10.7	23	-7.2	19	-	-	109	154	34	27	19	12	9	2	1	1	0	2	12	21	20	0	-	-	-	-
LYNEHAM ...	21-9	145	5.5	0.9	3.2	+0.1	9.3	23	-7.8	18	-	-	91	140	18	23	21	13	13	4	0	0	0	2	12	21	20	2	2.06	-	-	-
PORTON ...	9 9	111	6.2	0.2	3.2	+0.1	10.2	23	-6.7	18	3.9	-	91	123	25	27	18	12	-	4	-	-	-	1	16	20	20	0	2.41	135	-	-
TROMBRIDGE ...	9 9	37	6.5	0.6	3.5	-	10.9	23	-5.1	18	4.4	-	103	-	25	10	19	14	6	0	2	0	2	15	20	0	0	-	-	-	-	-
UPAVON ...	21-9	179	5.5	0.7	3.1	-	9.2	23	-5.2	18	-	-	99	144	29	27	19	13	10	4	1	0	0	2	18	22	19	0	-	-	-	-
BERKSHIRE																																
EASTHAMPTON ...	9 9	77	6.0	-0.2	2.9	-	9.7	23	-6.9	19	4.6	6.3	71	-	17	27	16	11	8	3	0	0	0	1	15	21	19	0	1.65	-	-	-
HURLEY ...	9 9	43	6.1	0.0	3.1	-	10.0	23	-6.2	18	3.9	-	79	125	15	11	21	14	6	2	0	0	0	1	15	20	2	1	1.36	-	S	-
LAMBOWN (WARREN FARM)	9 9	192	4.8	-0.1	2.3	-	9.4	23	-9.5	19	4.0	-	(81)	-	19	27	20	(14)	-	7	-	-	-	2	13	-	-	-	-	-	-	-
READING ...	9 9	66	6.2	0.3	3.3	-	9.9	23	-7.2	18	5.0	6.8	72	-	13	27	16	11	6	4	0	0	0	2	13	22	22	0	1.69	-	-	-
SHINFIELD (N.I.R.D.)	9 9	62	6.3	0.3	3.3	-	10.0	23	-6.7	18	-	-	73	-	14	27	16	12	7	2	0	0	0	1	13	22	-	0	1.34	-	S	-
SURREY																																
WISLEY ...	9 9	32	6.5	0.5	3.5	0.0	9.9	23	-6.0	18.19	4.0	6.1	95	169	20	27	19	15	9	2	0	0	0	3	10	21	-	3	1.54	103	-	-
KENT																																
DOVER R.M.S. ...	9 9	123	5.7	1.2	3.5	-	8.9	9	-3.6	31	-	-	90	114	13	23	20	15	3	1	1	1	1	3	6	-	-	5	-	-	-	-
DUNGENESS ...	9 9	6	7.1	2.1	4.6	-	9.9	9	-5.7	18	-	-	81	125	16	10	18	12	3	0	2	0	1	0	6	-	-	5	-	-	-	-
EAST MALLING ...	9 9	52	6.4	0.5	3.5	+0.2	9.9	23	-6.0	18	3.9	5.9	86	145	21	27	20	15	5	1	0	0	0	3	13	23	20	3	1.57	101	-	-
EDENBRIDGE ...	9 9	45	6.2	-0.2	3.0	-	9.6	23	-5.9	18	-	-	119	-	25	27	20	15	-	-	-	-	-	16	-	-	-	-	1.29	-	S	-
ELMSTONE ...	9 9	5	6.9	0.3	3.6	-	11.3	9	-7.2	19	-	-	74	130	17	10	16	11	1	1	0	1	1	1	13	24	-	2	-	-	-	-
FAVERSHAM ...	9 9	48	6.2	1.1	3.7	-	9.9	9	-4.7	18	4.0	6.3	83	143	16	27	19	15	3	1	0	1	1	2	8	17	-	0	1.51	-	-	-
FOLKESTONE ...	9 9	31	6.6	0.7	3.7	-	9.6	9	-4.7	18	-	-	73	110	13	11	18	13	8	0	0	0	0	11	20	-	10	1.94	100	-	-	-
GILLINGHAM ...	9 9	3	6.5	1.2	3.9	-	9.8	23	-7.1	19	-	-	91	175	23	27	18	13	-	-	-	-	-	8	-	-	-	-	-	-	-	-
GOUDHURST ...	9 9	85	5.6	0.1	2.9	0.0	9.4	23	-6.4	18	-	-	110	135	19	23	20	16	5	3	1	0	1	2	15	19	-	1	-	-	-	-
HADLOW COLLEGE ...	9 9	27	6.2	-0.1	3.1	-	9.9	23	-6.2	18	4.3	6.8	115	-	25	27	21	15	4	1	0	0	0	2	16	23	-	1	-	-	-	-
HERNE BAY ...	9 9	31	6.3	1.2	3.7	-	10.0	9	-5.0	19	4.7	-	67	-	12	23	18	11	2	0	0	0	0	2	8	13	-	0	1.42	88	-	-
MANSTON ...	21-9	44	5.9	-	-	-	9.9	9	-	-	-	-	55	102	13	10	14	10	7	2	1	2	2	1	-	-	-	4	1.47			



DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT KIN. 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																						
7A ENGLAND NW & I.O.M.																																
CUMBRIA																																
CARLISLE ...	21-9	26	4.8	0.9	2.9	-	9.0	5.6	-4.7	31	4.0	5.8	77	106	15	2	21	14	13	4	3	2	0	2	14	20	15	0	1.74	-	-	
CARTMEL ...	9 9	35	5.1	0.1	2.6	-	8.9	5	-5.6	18	-	-	130	-	19	2	25	19	2	2	0	0	1	3	14	-	0	-	-	-	-	
GRIZEDALE ...	9 9	91	4.7	-1.0	1.9	-	9.0	2	-8.8	18	3.5	-	188	96	22	19	24	22	16	11	0	0	0	0	15	26	-	3	-	-	-	
MOOR HOUSE ...	9 9	556	1.2	-3.8	-1.3	-	4.4	1	-12.0	18	1.8	-	-	-	-	-	17	25	3	1	1	10	28	30	4	1.09	-	-	-	-	-	
NEWTON RIGG ...	9 9	171	4.0	-0.9	1.5	-0.8	8.3	6	-7.7	19	2.6	-	159	160	23	27	23	17	9	13	0	1	0	2	14	24	2	1.27	96	S	-	
SELLAFIELD ...	9 9	13	5.7	1.3	3.5	-	8.2	1	-4.0	18	-	-	-	-	-	-	-	-	-	-	-	-	-	9	16	-	-	1.52	-	-	-	
LANCASHIRE																																
HAZELHOG ...	9 9	95	5.0	0.3	2.7	-	7.9	5	-5.9	18	-	-	129	-	22	10	23	20	11	5	0	2	1	5	10	17	-	5	1.53	-	-	
HELMSHORE ...	9 9	260	3.7	-0.3	1.7	-	6.7	5	-3.5	12.18	3.4	-	182	127	31	23	26	20	9	8	0	1	0	0	17	28	-	0	1.07	-	-	
KIRKHAM ...	9 9	24	5.3	1.2	3.3	-	8.5	5	-3.4	18	-	-	85	102	10	2	22	17	5	3	2	3	0	10	15	-	0	1.55	-	-	-	
MORECAMBE ...	9 9	7	5.5	1.6	3.5	-0.1	8.3	6	-2.8	18.19	-	-	104	119	14	2	21	19	5	2	1	1	0	2	7	-	2	1.69	113	S	-	
PRESTON ...	9 9	33	5.5	1.3	3.4	-	8.6	5	-3.4	13	-	-	100	115	19	23	21	16	6	0	1	2	1	4	9	17	-	0	-	-	-	
SLAIBURN ...	9 9	192	4.1	-0.7	1.7	-	7.0	1	-8.0	18	-	-	218	143	41	2	24	20	15	10	2	0	0	1	13	26	-	0	1.41	-	-	
SQUIRES GATE AIRPORT ...	21-9	10	5.6	1.9	3.7	+0.1	8.8	5	-5.2	18	-	-	73	99	11	28	20	17	9	2	0	2	0	2	14	13	2	1.64	104	-	-	
STONYHURST ...	9 9	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERESIDE																																
RIGBURTH ...	9 9	12	6.2	1.5	3.9	-	10.3	2	-3.5	18	-	-	75	-	12	28	22	19	3	0	0	3	0	5	17	13	1	1.19	-	-	-	
BIDSTON ...	9 9	60	5.8	2.1	3.9	-	9.5	2	-2.1	18	-	-	67	-	12	23	24	16	7	3	2	0	1	1	5	10	-	2	1.40	-	-	
ST HELENS ...	9 9	76	5.5	1.3	3.4	-	9.3	5	-4.5	18	3.7	-	89	-	16	28	26	19	4	-	1	0	1	-	6	-	1	1.12	-	-	-	
SOUTHPORT ...	9 9	5	5.8	1.1	3.5	0.0	8.4	2	-5.0	18	4.2	7.8	75	105	13	23	22	16	-	-	-	-	-	-	9	13	-	1	1.57	103	-	
WEST KIRBY PARK ...	9 9	7	6.4	1.9	4.1	+0.3	10.5	8	-3.7	18	-	-	73	112	12	23	23	18	2	0	1	0	0	-	6	17	-	1	-	-	-	
GREATER MANCHESTER																																
BOLTON ...	9 9	107	5.0	0.7	2.9	-	8.5	2.5	-3.6	31	4.4	5.7	112	-	19	23	24	21	9	4	0	0	0	2	10	15	-	0	1.05	100	-	-
MANCHESTER																																
RINGWAY AIRPORT ...	21-9	75	5.3	1.7	3.5	+0.2	9.2	2	-3.2	13	-	-	85	-	120	28	25	19	15	1	0	1	1	2	10	15	16	1	1.21	95	-	-
WEATHER CENTRE (X)	21-9	69	5.9	2.7	4.3	-	9.5	2.5	-1.6	31	-	-	79	-	10	28	24	19	11	-	1	0	1	1	0	5	-	0	0.95	-	-	-
CHESHIRE																																
KNUTSFORD ...	9 9	65	5.3	0.6	2.9	-	9.3	5	-4.0	13	3.8	5.1	95	130	16	28	24	19	4	2	1	0	0	2	12	23	-	3	-	-	-	-
MACCLESFIELD ...	9 9	152	4.6	0.6	2.6	-0.1	8.0	2.5	-4.5	13	-	-	113	141	19	28	26	21	12	5	2	1	1	7	12	-	0	-	-	-	-	
NESS GARDENS ...	9 9	30	6.2	1.2	3.7	-	10.3	5	-4.2	19	4.2	-	83	132	12	23	23	20	5	3	3	3	0	2	7	25	-	2	1.42	-	-	-
ISLE OF MAN																																
DOUGLAS ...	9 9	85	6.2	2.3	4.3	-0.3	8.9	6.7.8	-2.6	18	-	-	152	130	21	27	25	18	7	2	4	0	0	0	6	14	-	8	2.23	125	-	-
POINT OF AYRE ...	21-9	-9	6.3	3.0	4.7	-0.5	9.6	7	-3.7	18	-	-	94	117	19	27	25	17	2	0	0	0	1	0	5	-	8	2.01	120	-	-	
RONALDSWAY AIRPORT ...	21-9	16	6.7	3.0	4.9	-0.2	9.6	7	-3.7	18	-	-	117	130	21	18	24	19	9	0	0	5	0	0	6	12	10	3	2.14	122	-	-
7B WALES N																																
GWYNEDD																																
BALA ...	9 9	163	5.7	0.7	3.2	-	8.6	2	-5.8	19	4.0	5.7	150	106	22	10	25	19	9	3	1	3	0	1	9	21	14	0	1.19	-	-	-
BAROSEY ISLAND ...	21-9	15	7.6	(4.6)	6.1	-	10.5	23	0.2	18	-	-	106	116	11	16	22	18	2	0	3	0	0	0	0	1	1	12	-	-	-	-
BETWS-Y-COED ...	9 9	20	(6.6)	-	-	-	10.0	6	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	-	-	-	-	-	-	
BOTWNOG ...	9 9	34	-	3.2	-	-	-	-	-1.3	13	5.5	7.7	137	122	14	16	26	20	3	1	0	2	0	0	3	8	-	5	1.83	-	-	-
CWYNSTRALLYN ...	9 9	204	6.1	1.7	3.9	-	10.0	3.4	-3.0	18	-	-	251	-	49	28	28	23	-	-	-	-	-	-	6	-	-	-	-	-	-	-
LLYN ALAW ...	9 9	44	6.8	2.2	4.5	-	9.5	2.5	-2.5	12.18	-	-	89	-	10	21	25	19	-	-	-	-	-	-	4	-	-	-	-	-	-	-
PEN-Y-FFRIDD ...	9 9	84	6.3	1.8	4.1	-	9.4	8	-4.0	18	-	-	97	88	13	21	21	19	2	2	1	1	0	0	6	21	-	1	1.27	-	-	-
TRAWSFYNOOD ...	9 9	193	(5.4)	(1.4)	(3.4)	-	8.5	8	-4.4	18	-	-	175	99	23	23	24	20	-	3	-	-	-	1	7	(13)	(13)	-	-	-	-	-
VALLEY ...	21-9	10	7.1	3.5	5.3	+0.1	9.9	2	-1.4	18	-	-	85	94	8	21	25	19	7	1	0	4	0	0	4	9	7	11	2.04	111	-	-
CLWYD																																
ALWEN ...	9 9	335	4.3	-0.9	1.7	-	7.3	6.8	-10.6	18	-	-	162	124	29	29	25	20	-	-	-	-	-	-	12	24	-	-	-	-	-	-
BWLCHGWYN ...	9 9	386	3.7	-0.1	1.6	-	7.3	8	-5.0	13	3.3	-	139	128	21	29	25	20	13	12	0	0	0	0	3	12	10	-	3	-	-	-
COLWYN BAY ...	9 9	18	6.7	2.7	4.7	-	9.7	5	-2.2	18	-	-	66	86	7	21	23	19	1	0	0	0	0	0	4	-	0	-	1.46	97	-	-
CORNEN ...	9 9	144	5.8	0.7	3.3	-	9.1	6	-5.3	19	-	-	142	128	23	10	24	19	6	4	1	0	0	-	10	19	-	0	-	-	-	-
HAWARDEN BRIDGE ...	9 9	5	6.5	1.5	4.0	+0.1	10.1	6	-4.8	18	-	-	77	119	9	19	25	19	6	2	0	0	0	2	6	-	2	-	-	-	-	-
LOGGHEHEADS ...	9 9	210	5.2	0.3	2.7	-	8.2	8	-8.3	18	4.1	5.4	103	124	16	23	24	19	7	8	0	2	0	0	8	20	-	0	1.26	-	-	-
PRESTATYN ...	9 9	4	6.7	2.4	4.5	-0.2	9.9	2.8	-3.5	18	-	-	78	130	12	17	26	16	1	1	2	1	0	0	5	-	0	-	1.35	96	-	-
RUTHIN ...	9 9	76	6.1	1.3	3.7	-	9.7	5	-5.2	18	-	-	86	121	11	28	25	17	0	2	1	0	0	1	9	-	1	-	1.73	-	-	-
PONYS(NORTH)																																
HOPE ...	9 9	91	6.1	1.0	3.5	-	9.2	23	-5.4	18	4.1	-	69	-	14	10	19	15	10	2	1	0	0	2	8	18	-	0				



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JANUARY 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. 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 24 H)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM	30 CH DEGREES C	100 CH DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION (MM)	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			
			MAX. (A)	MIN. (B)			MAX.	DATE																							MIN.	DATE	
8A WALES S CONTINUED																																	
WEST GLAMORGAN																																	
MUMBLES HEAD	21-9	36	7.1	3.6	5.3	-	9.7	6	-1.6	18	-	-	158	127	21	18	23	19	3	0	3	0	0	1	3	5	11	5	5	0	-	-	-
NEATH	9 9	62	7.2	2.4	4.8	-	10.3	23	-4.3	18	-	-	134	113	21	31	21	18	4	0	0	3	0	2	6	18	11	2	2.66	-	-	-	
PENRHEN	9 9	87	7.1	2.6	4.9	-	10.1	6,23	-3.1	18	5.6	6.8	134	113	21	31	21	18	3	0	0	3	0	2	6	18	11	2	2.52	-	-	-	
PORT TALBOT	9 9	5	7.7	2.8	5.3	-	11.2	6	-6.3	18	-	-	150	136	22	18	21	17	3	0	0	0	0	0	6	10	11	0	-	-	-	-	
SWANSEA	9 9	10	-	-	-	-	-	-	-	-	4.4	7.9	141	122	17	18	21	18	1	0	0	0	0	0	1	5	12	-	0	-	-	-	
WHITEFORD BURROWS	9 9	5	7.9	3.2	5.5	-	10.7	6	-5.6	18	-	-	121	-	16	21	22	19	2	0	0	1	0	1	5	15	-	0	-	-	-	-	
MID GLAMORGAN																																	
ABERDARE FILTER STATION	9 9	174	5.8	0.8	3.3	-	8.8	8	-6.0	18	-	-	203	-	36	10	23	17	-	-	-	-	-	-	9	20	-	-	-	-	-	-	
CILFYNYDD	21-9	194	5.3	1.5	3.4	-	9.1	23	-5.2	18	-	-	151	-	26	10	23	17	6	1	0	1	0	2	8	20	17	0	-	-	-	-	
LILLYNOYD	9 9	241	5.2	-0.3	2.5	-	8.8	23	-6.7	18	-	-	179	99	27	10	23	19	12	2	0	0	0	7	17	-	-	-	-	-	-	-	
PORTHAWL	9 9	6	-	2.9	-	-	-	-	-4.3	18	-	-	129	129	19	31	22	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOUTH GLAMORGAN																																	
BRIDGEND	9 9	40	6.9	1.8	4.3	-	10.8	6	-5.7	18	5.2	7.8	147	-	23	10	23	18	5	2	0	0	0	-	7	20	-	0	-	-	-	-	
CARDIFF (BUTE PARK)	9 9	9	7.5	1.9	4.7	-	12.6	7	-5.3	18	-	7.0	134	-	31	10	21	17	0	0	0	0	0	0	6	21	-	0	-	-	-	-	
RHOOSE AIRPORT	21-9	67	6.6	2.3	4.5	-	9.9	23	-4.8	18	-	-	121	-	31	10	18	18	8	0	6	0	0	0	0	5	17	15	0	-	-	-	-
GWENT																																	
CRUMBLAND	9 9	245	5.3	0.8	3.1	-	8.9	23	-3.8	18	4.1	5.5	101	97	25	23	17	12	5	7	0	0	0	8	9	22	-	4	-	-	-	-	
USK	9 9	21	7.1	0.3	3.7	0.0	10.5	23	-6.5	18	4.8	-	112	100	15	23	18	15	-	-	-	-	-	-	14	20	-	-	-	-	-	-	
8B ENGLAND SW																																	
AVON																																	
BATH	9 9	118	(6.7)	(1.7)	(4.2)	-	11.8	23	-4.5	18	4.9	-	(99)	(141)	25	10	(18)	(14)	2	0	0	0	0	2	(6)	-	-	-	-	-	-	-	
FILTON	21-9	59	6.4	2.1	4.3	+0.4	10.1	23	-5.4	18	-	-	115	165	33	10	19	13	9	0	0	0	0	1	7	17	14	0	-	-	-	-	
LONG ASHTON	9 9	51	7.0	1.4	4.2	+0.1	10.5	23	-5.0	18	4.8	-	130	165	41	10	18	13	7	0	0	0	0	1	9	20	-	1	-	-	-	-	
SOMERSET																																	
CANNINGTON	9 9	28	7.8	2.2	5.0	+0.4	11.5	8,23	-4.5	18,19	5.0	-	108	154	29	10	18	15	0	0	0	0	0	1	4	15	-	0	-	-	-	-	
CREWKERNE	9 9	101	7.0	(1.3)	(4.1)	-	11.2	23	-5.0	18	4.3	-	101	-	35	27	19	13	1	0	0	0	0	-	7	-	-	-	-	-	-	-	
DOWNSIDE ABBEY	9 9	183	5.7	0.7	3.2	-	9.8	23	-5.7	18	-	-	154	153	35	10	23	17	5	0	0	0	0	4	12	-	-	-	-	-	-	-	
EXTON	21-9	329	5.3	0.8	3.1	-	9.9	8	-3.7	18	-	-	172	-	35	10	22	17	20	8	3	1	0	4	14	22	18	0	-	-	-	-	
HAMBRIDGE	9 9	314	5.3	0.6	2.9	-	9.4	8	-5.7	18	-	-	189	118	44	10	23	19	11	4	2	1	0	3	11	25	-	0	-	-	-	-	
NETTLECOMBE	9 9	96	7.1	1.1	4.1	-	11.4	23	-4.8	18	5.3	-	152	-	37	10	21	16	0	0	0	0	0	0	9	-	-	-	-	-	-	-	
NETTLECOMBE (BIRDS HILL)	9 9	280	-	1.1	-	-	-	-	-4.0	18	-	-	148	-	39	10	22	17	3	2	0	0	0	1	8	17	-	1	-	-	-	-	
RODNEY STONE	9 9	40	7.0	1.5	4.3	-	11.7	23	-6.8	18	5.4	7.2	107	131	29	27	19	14	2	0	1	0	0	1	9	24	-	2	-	-	-	-	
WINCANTON	9 9	113	6.7	0.5	3.6	-	12.0	23	-8.0	18	-	-	101	114	25	27	17	16	6	0	0	0	0	4	10	18	-	2	-	-	-	-	
YEODILTON	21-9	18	7.3	1.5	4.4	-	12.2	23	-5.8	18	-	-	80	115	22	27	19	13	1	0	0	0	0	1	13	17	18	3	-	-	-	-	
DORSET																																	
BOURNEMOUTH																																	
HURN AIRPORT	21-9	10	7.4	1.3	4.3	-	10.7	23	-6.8	18	-	-	100	118	16	27	18	15	4	0	0	1	0	1	15	18	18	0	-	-	-	-	
MEYRICK PARK	9 9	40	7.4	1.2	4.3	0.0	10.0	23	-7.0	31	5.1	6.8	108	125	15	23	19	15	-	0	-	-	-	0	8	24	-	-	-	-	-	-	
CHRISTCHURCH	9 9	3	7.7	(1.8)	(4.7)	-	10.5	23	-3.7	18	-	-	91	110	14	23	19	16	1	0	0	0	1	0	(10)	(18)	-	1	-	-	-	-	
POOLE	9 9	5	7.6	1.2	4.4	+0.1	10.5	23	-4.9	18	5.2	7.5	108	130	21	27	19	14	0	0	0	0	0	5	11	17	-	0	-	-	-	-	
PORTLAND BILL (CASTLE GUARD)	21-9	53	7.5	3.8	5.7	-0.3	11.6	8	-0.5	18	-	-	99	-	14	27	19	16	0	0	0	0	0	0	1	6	-	11	-	-	-	-	
SWANAGE	9 9	11	7.8	2.8	5.3	+0.2	10.2	23	-2.4	18	-	8.3	98	113	17	16	18	14	0	0	1	0	0	1	3	15	-	5	-	-	-	-	
WEYMOUTH	9 9	23	8.2	2.4	5.3	-	11.1	8	-4.0	18	-	-	99	-	23	27	18	14	0	0	0	0	0	0	7	-	-	-	-	-	-	-	
WIMBORNE	9 9	26	7.7	1.5	4.6	-	10.1	3,8,23	-6.0	18	-	-	122	131	24	27	20	16	4	0	0	0	0	0	10	20	-	0	-	-	-	-	
DEVON																																	
CHARLEIGH	9 9	168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EXETER AIRPORT	21-9	32	7.9	2.3	5.1	+0.2	12.6	23	-5.8	18	-	-	103	125	21	27	18	17	7	0	0	4	0	0	7	19	14	3	-	-	-	-	
EXMOUTH	9 9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HARTLAND POINT	21-9	93	7.2	(4.4)	(5.8)	(0.0)	11.0	6	-2.0	12	-	-	109	135	23	10	18	16	3	1	3	3	1	0	3	-	-	-	-	-	-	-	
ILFRACOMBE	9 9	8	8.2	4.4	6.3	-	11.0	23	-1.3	19	5.9	8.7</																					



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JANUARY 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. MIN. TERMINAL (HGMT) OF OBSERVATION	HEIGHT OF STATION (METRES) ABOVE MSL	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		
NORTHERN IRELAND																																
LONDONDERRY																																
AGHANLADY ...	99	18	6.5	1.4	3.9	-	9.5	4.5	-2.6	17	-	-	103	-	19	27	25	23	6	-	3	0	0	-	7	20	-	-	-	-	-	
BANAGHER (CAUGH HILL) ...	99	216	5.1	0.1	2.6	-	8.0	5	-3.5	18	-	-	194	-	34	27	28	23	19	22	0	0	0	0	16	26	-	5	1.39	-	-	
CARNONEY ...	99	73	6.2	1.5	3.9	-	9.4	13	-2.0	17	-	-	115	-	19	27	26	21	3	4	0	0	0	0	4	21	-	-	-	-	-	
COLERAINE UNIVERSITY ...	99	23	6.4	1.4	3.9	-	9.4	5	-2.9	18	4.7	6.7	120	-	19	27	23	21	15	4	1	0	0	1	8	20	-	2	1.48	97	-	
COOLKEERAGH ...	99	3	6.7	1.7	4.2	-	10.0	13.23	-1.9	18	-	-	121	-	12	27	26	22	-	-	-	-	-	-	-	-	-	-	-	-	-	
DERRYNOYD FOREST ...	99	88	5.8	0.3	3.1	-	9.4	7	-2.7	30	-	-	197	-	165	33	27	26	24	11	5	3	0	0	0	17	27	-	-	-	-	
DARYVAGH FOREST ...	99	88	5.6	0.5	3.1	-	8.8	1.5	-3.0	18	3.8	5.8	176	-	149	30	27	28	22	6	9	0	0	0	0	15	22	-	-	-	-	
LOUGHFERNORE FOREST ...	99	174	5.1	-0.1	2.5	-	8.5	1	-4.6	18	-	-	174	-	153	21	27	28	26	21	13	2	2	1	3	17	26	-	12	-	-	
MONEYTOG ...	99	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TRAAD POINT ...	99	16	6.3	0.5	3.4	-	10.0	1	-4.4	17	-	-	117	-	25	27	24	18	4	-	0	0	0	-	14	-	-	-	-	-	-	
ANTRIM																																
ALDERGROVE AIRPORT ...	21-9	68	5.5	1.1	3.3	-0.2	9.8	23	-5.1	30	4.8	7.3	98	113	14	27	24	18	15	3	3	1	0	0	1	11	21	17	3	1.92	134	-
ALTNAHINCH ...	99	213	4.6	0.0	2.3	-	8.0	5	-5.2	18	-	-	170	-	25	27	27	23	14	11	1	0	0	1	14	25	-	3	1.38	-	-	
BALLYLUMFORD ...	99	24	6.7	1.8	4.3	-	9.8	1	-1.8	18	-	-	132	-	32	27	20	16	-	-	-	-	-	-	-	-	-	-	-	-	-	
BALLYPATRICK FOREST ...	99	152	5.5	0.5	3.0	-	8.8	13	-6.0	18	-	-	187	-	50	27	24	21	5	-	0	0	0	0	12	22	-	3	1.70	-	-	
CARNAUGH ...	99	12	6.5	1.2	3.9	-	9.7	13	-4.0	18	-	-	164	-	31	27	23	20	3	-	1	0	0	0	8	21	-	-	-	-	-	
DEVIS MOUNTAIN ...	99	363	3.7	-1.2	1.3	-	6.6	2	-6.4	13	-	-	146	-	25	27	21	19	10	-	0	0	0	-	24	-	-	-	-	-	-	
GREENMOUNT ...	99	38	6.0	1.1	3.5	-	10.3	13	-3.5	30	5.0	-	95	-	115	14	22	18	3	2	0	0	0	-	10	20	-	-	-	-	-	
HYDE PARK (MALLUSK) ...	99	140	5.3	0.7	3.0	-	8.9	23	-3.5	18	-	-	131	-	28	27	24	18	7	0	0	0	0	-	11	22	-	-	-	-	-	
KILROOT POWER STATION ...	99	12	6.3	1.5	3.9	-	9.2	13	-4.4	18	-	-	110	-	23	27	22	18	1	0	0	0	1	-	9	20	-	-	-	-	-	
LISNAFFILLAN ...	99	38	6.1	-0.7	2.7	-	9.7	7	-7.2	17	-	-	131	-	138	23	24	21	9	4	0	0	0	0	20	24	-	2	1.94	-	-	
LOWTOWN ...	99	271	4.1	-0.4	1.9	-	7.0	23	-4.5	17.18	3.1	-	180	-	131	30	27	27	23	7	11	0	0	0	5	18	26	-	2	1.29	-	
PARKMORE FOREST ...	99	235	4.5	-0.4	2.1	-	7.4	4.5.13	-6.6	18	3.1	-	220	-	142	36	27	27	22	13	13	0	0	0	1	16	28	-	5	-	-	
WOODBURN NORTH ...	99	217	4.7	0.3	2.5	-	8.5	7	-4.5	18	-	-	127	-	111	21	27	24	20	6	4	0	0	0	3	13	19	-	-	-	-	-
BELFAST																																
ANDERSONSTOWN ...	99	64	6.2	1.0	3.6	-	9.5	23	-3.4	18	-	-	119	-	22	2	25	21	8	0	0	0	0	2	8	19	-	-	-	-	-	
MALONE ...	99	35	6.6	0.9	3.7	-	10.0	23	-3.0	18.30	4.8	-	117	-	22	27	25	18	-	-	-	-	-	-	-	-	-	-	-	-	-	
MILLTOWN ...	99	37	6.4	1.1	3.7	-	10.1	7	-3.1	17	-	-	115	-	24	27	24	17	15	3	0	3	0	2	12	23	-	-	-	-	-	
NEWTOWNABBAY ...	99	32	6.5	2.2	4.3	-	9.6	23	-1.0	18	4.7	-	124	-	26	2	24	19	6	1	0	0	0	2	4	23	14	4	2.12	-	5	
ROSEBANK ...	99	47	6.4	1.3	3.9	-	11.2	6	-2.0	18	-	-	113	-	26	27	21	15	5	1	0	0	0	-	7	-	-	-	-	-	-	
ROSETTA ...	99	24	6.4	1.3	3.9	-	9.5	6.23	-2.7	18	-	-	116	-	29	27	20	16	3	0	0	0	0	2	8	-	-	-	-	-	-	
STORMONT CASTLE ...	99	56	6.0	1.4	3.7	-	9.2	23	-3.4	18	4.5	6.4	108	-	20	22	22	18	4	2	0	0	0	1	9	22	-	-	-	1.85	-	
DOWN																																
BANGOR SEACOURT ...	99	15	6.5	2.3	4.4	-	9.2	5	-2.9	18	5.1	7.6	116	-	26	27	23	18	8	1	0	2	0	1	4	19	17	4	2.08	-	-	
BALLYWALTER PARK ...	-	11	-	-	-	-	-	-	-	-	-	-	118	-	139	21	27	25	18	-	-	-	-	-	-	-	-	-	-	-	-	
BALLYMATTICOCK ...	99	6	6.2	1.5	3.9	-	8.9	5	-3.7	18	4.1	6.2	109	-	22	27	22	15	8	0	0	1	0	1	8	17	-	2	2.41	-	-	
DOWNPATRICK ...	99	26	6.5	1.5	4.0	-	10.2	1	-3.3	31	-	-	102	-	23	18	23	16	-	-	-	-	-	2	9	17	-	-	-	-	-	
HELENS BAY ...	99	43	6.1	1.8	3.9	-	9.0	5	-3.2	18	-	-	120	-	144	29	21	18	6	1	1	2	1	1	6	19	-	4	2.33	-	-	
HILLSBOROUGH ...	99	116	5.6	1.0	3.3	-0.4	9.2	23	-3.1	17	5.0	6.9	93	-	111	15	22	16	5	0	0	0	0	1	11	24	-	3	1.95	134	-	
MAGHERALLY ...	99	97	5.5	0.2	2.9	-	9.7	23	-5.2	17	-	-	84	-	17	27	20	18	11	3	0	3	0	-	14	23	-	-	-	-	-	
MURLOUGH ...	99	9	6.8	0.6	3.7	-	10.4	1	-7.2	31	4.4	5.9	109	-	26	18	24	12	2	1	0	1	0	2	12	22	-	3	2.72	-	-	
NEWRY ...	99	1	6.9	1.3	4.1	-	10.8	1	-4.0	30	-	-	95	-	19	27	21	15	6	0	0	0	0	0	9	18	-	-	-	-	-	
SILENT VALLEY ...	99	129	6.0	1.0	3.5	-	9.3	1	-3.4	17	-	-	148	-	19	18	22	19	12	3	0	0	0	4	12	20	-	-	-	2.71	-	
ARMAGH																																
ARMAGH ...	99	62	5.6	0.8	3.2	-0.7	9.3	23	-2.8	17.30	4.3	6.4	77	-	99	13	20	18	8	6	0	0	0	0	11	23	-	4	2.09	137	-	
LOUGHGALL ...	99	25	6.2	0.8	3.5	-	10.2	23	-3.7	18	-	-	69	-	94	15	27	21	16	7	3	0	0	0	1	9	25	-	1	2.16	-	-
LURGAN ...	99	55	6.1	1.0	3.5	-	9.8	7	-4.1	30	4.7	6.7	85	-	108	15	27	22	18	5	-	0	0	0	-	10	23	-	-	-	2.05	-
TANDRAGEE ...	99	43	6.8	0.8	3.8	-	10.5	7	-4.0	30	-	-	77	-	17	27	20	15	-	-	-	-	-	-	-	-	-	-	-	-	-	
TYRONE																																
ALTAVEEDAN ...	99	175	5.3	0.0	2.7	-	8.2	5	-4.5	30	-	-	159	-	26	27	28	21	-	-	-	-	-	-	14	24	-	-	-	-	-	
CARRIGANS ...	21-9	113	5.2	0.8	3.0	-	9.9	5	-3.2	17	-	-	179	-	171	33	27	27	24	20	10	6	2	1	2	15	23	17	1	1.55	-	
COOKSTOWN ...	99	77	5.8	0.3	3.1	-	9.3	23	-3.6	18	3.8	-	121	-	129	25	27	23	19	8	6	1	0	0	2	14	26	-	-	-	2.28	-
LOUGH BRADAN ...	99	169	4.8	-0.4	2.2	-	8.5	5	-4.2	17	-	-	219	-	167	30	27	27	26	-	-	-	-	0	21	27	-	-	-	-	1.80	-
POWEROY FOREST ...	99	174	5.0	0.1	2.5	-	9.7	23	-2.9	18	3.7	-	165	-	152	30	27	21	20	10	15	0	0	0	4	15	26	-	-	-	-	-
STRABANE CONVENT ...	99	44	6.2	1.4	3.8	-	9.9	5	-2.0	17.18	-	-	147	-	164	18	28	26	22	12	8	3	1	0	2	6	-	2	1.52	-	-	
TIENVENNY ...	99	41	6.0	0.8	3.4	-	10.0	7	-4.0	17	-	-	190	-	27	27	26	23	-	-	-	-	-	-	11	17	-					



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JANUARY 1978

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)	WET BULB PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS						0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	1 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE													
									NUMBER OF OBSERVATIONS																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	1003.3	-	3.9	0.8	7.1	86	6.3	0	2	5	13	11	0	0	0	0	0	1	3	1	7	5	14	7	9	10	5	0	5	4	3	5	1	4	7	2
		15	1003.5	-	4.0	0.9	7.0	84	6.8	0	0	0	0	16	8	2	0	0	0	0	1	2	0	4	9	6	9	11	9	4	0	6	2	3	3	5	5	4
		21	1003.8	-	3.9	0.9	7.0	85	5.7	0	6	4	10	10	1	0	0	0	0	3	0	1	5	7	15	9	8	10	4	0	6	3	2	5	3	7	5	4
LERWICK	85	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		9	1002.4	-5.7	3.2	-	6.7	-	6.1	0	2	8	12	9	0	0	0	0	0	0	6	11	11	3	2	11	11	6	0	1	5	2	0	5	1	5	6	6
		15	1002.7	-	3.4	-	6.5	-	6.5	0	1	4	17	8	1	0	0	0	0	0	5	12	11	2	2	10	13	6	0	3	3	1	5	4	3	7	5	
ORKNEY	21	9	1002.9	-	3.2	-	6.8	-	6.1	0	4	6	7	12	2	0	0	0	0	1	8	7	12	2	1	11	14	5	0	4	3	1	5	4	7	4	3	
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
KIRKWALL	26	3	1003.5	-	3.0	0.7	6.8	88	6.0	0	4	5	13	9	0	0	0	0	0	1	0	5	9	13	3	2	6	14	9	0	3	1	2	3	4	6	11	2
		9	1003.8	-4.8	3.1	0.8	6.7	86	6.4	0	3	4	15	9	0	0	0	0	0	1	4	8	10	8	4	6	12	8	1	3	3	1	4	4	4	11	0	
		15	1004.1	-	3.6	0.9	6.8	85	6.3	0	4	2	16	9	0	0	0	0	0	1	0	4	7	10	9	2	9	11	9	0	5	1	1	4	7	4	7	2
WESTERN ISLES	21	9	1004.0	-	3.0	0.8	6.7	86	6.1	0	5	2	13	11	0	0	0	0	0	2	0	6	20	3	1	7	15	8	0	3	3	1	5	6	6	5	2	
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BENBECULA	7	3	1005.0	-	3.4	0.6	7.2	89	5.4	0	7	5	11	8	0	0	0	0	0	1	2	6	13	9	2	4	14	10	1	4	2	2	5	2	9	4	2	
		9	1005.5	-2.9	3.6	0.6	7.2	89	5.8	0	6	3	15	7	0	0	0	0	0	2	3	6	12	8	0	12	7	11	1	4	4	2	3	4	4	7	2	
		15	1005.4	-	4.7	1.1	7.2	82	6.4	0	2	4	19	6	0	0	0	0	0	0	0	3	5	15	8	0	7	16	7	1	5	2	1	4	4	7	6	
STORNOWAY	5	3	1004.0	-	3.3	0.6	7.1	89	5.7	1	6	4	8	11	1	0	0	0	0	1	0	2	9	15	4	1	4	13	11	2	5	2	0	2	2	11	4	3
		9	1004.5	-3.8	3.4	0.7	7.0	87	6.6	0	2	2	18	9	0	0	0	0	0	0	1	6	9	10	5	0	9	8	11	3	2	3	0	2	3	9	5	4
		15	1004.5	-	4.3	1.1	6.9	82	6.5	0	1	5	17	8	0	0	0	0	0	0	0	4	8	15	4	2	3	16	10	0	5	2	3	0	7	9	5	0
HIGHLAND	21	9	1004.3	-	3.0	0.6	6.9	89	6.1	0	7	2	6	16	0	0	0	0	0	0	3	9	15	4	0	7	9	14	1	6	0	1	3	3	5	10	2	
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CAPE WRATH	113	3	1002.9	-	3.7	0.6	7.3	89	5.9	0	1	12	5	12	1	0	1	0	0	0	0	7	14	9	2	10	9	10	0	1	6	3	2	1	7	7	4	
		9	1003.3	-	3.5	0.8	6.9	87	6.3	0	0	11	6	13	1	0	0	0	0	1	2	5	15	7	7	4	10	10	0	3	4	0	3	4	9	5	3	
		15	1003.6	-	3.8	0.8	7.1	87	6.8	0	1	3	12	15	0	0	0	0	0	0	2	6	13	10	4	7	12	8	0	3	3	2	3	4	9	4	3	
DALCROSS	12	3	1003.4	-	3.6	0.8	6.9	87	6.6	0	1	8	4	16	2	0	0	1	0	0	0	6	14	9	2	8	12	9	0	2	3	4	3	3	9	5	2	
		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
WICK	37	3	1004.0	-	2.5	0.7	6.5	87	5.5	1	3	10	8	9	0	0	0	0	0	0	1	2	5	16	7	1	2	15	13	0	3	1	1	3	6	8	6	3
		9	1004.3	-4.6	2.6	0.8	6.4	86	6.5	0	3	1	20	7	0	0	0	0	0	0	2	1	7	8	13	2	2	13	14	0	6	1	0	3	5	5	11	0
		15	1004.5	-	3.5	1.0	6.7	84	5.9	0	3	5	18	5	0	0	0	0	0	0	1	1	5	14	10	1	5	13	12	0	2	3	1	3	6	5	8	3
1 SCOTLAND E GRAMPIAN	21	9	1004.5	-	2.6	0.7	6.5	87	5.3	0	9	3	9	10	0	0	0	0	0	0	1	4	3	17	6	1	3	17	10	0	4	0	1	5	8	3	8	2
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
DYCE	59	3	1004.6	-	1.9	0.8	6.0	85	5.1	1	6	9	6	9	0	0	0	0	0	0	4	5	5	12	0	0	12	16	3	3	0	2	4	4	4	4	7	
		9	1004.6	-5.8	1.5	0.7	6.0	86	5.8	0	5	5	13	7	1	0	0	0	0	0	2	2	7	6	12	0	0	17	6	2	0	1	1	4	4	7	6	
		15	1004.8	-	3.5	1.3	6.3	79	6.0	0	4	6	11	10	0	0	0	0	0	0	0	3	9	2	7	10	0	1	12	15	3	2	0	1	3	6	4	5
FRASERBURGH	22	3	1005.3	-	1.6	1.0	5.7	82	5.3	1	5	10	5	10	0	0	0	0	0	1	0	6	6	5	0	1	11	15	4	3	1	1	5	7	3	6	1	
		9	1004.4	-5.4	3.7	0.7	7.1	88	4.5	3	5	10	5	8	0	0	0	0	0	0	0	18	13	0	2	5	12	12	0	2	1	2	3	8	5	6	4	
		15	1004.4	-	4.0	0.8	7.1	87	5.7	0	4	8	7	12	0	0	0	0	0	0	0	17	14	0	0	2	13	16	0	4	1	1	3	7	8	3	4	
KINLOSS	6	3	1004.3	-	4.3	0.9	7.1	85	5.8	0	3	8	9	11	0	0	0	0	0	0	0	13	18	0	1	7	10	13	0	2	0	2	7	6	4	7	3	
		9	1004.9	-	3.5	0.7	6.9	88	5.2	2	4	9	6	10	0	0	0	0	0	0	0	21	10	0	1	4	14	12	0	3	0	2	4	11	3	3	5	
		15	1004.7	-	2.4	1.0	6.1	83	5.7	1	6	1	16	7	0	0	0	0	0	0	0	5	1	14	11	1	0	12	17	1	3	1	2	2	4	14	3	1
LOSSIEMOUTH	6	3	1004.8	-4.9	2.4	0.9	6.2	84	6.2	0	3	5	17	6	0	0	0	0	0	1	5	4	10	11	1	1	12	17	0	4	1	2	3	3	16	1	1	
		9	1005.0	-	3.8	1.4	6.2	77	6.0	0	3	5	17	6	0	0	0	0	0	0	3	4	6	18	0	4	12	13	2	2	1	3	2	3	12	3	1	
		15	1004.9	-	2.2	1.0	6.0	83	5.6	1	4	5	17	4	0	0	0	0	0	0	2	3	6	14	6	1	3	10	16	1	3	0	3	2	2	16	3	1
LOTHIAN	6	3	1004.6	-	2.4	0.9	6.2	84	5.4	0	8	3	12	8	0	0	0	0	0	0	1	2	2	14	12	1	3	14	13	0	2	1	0	3	6	10	8	1
		9	1004.7	-	2.3	0.9	6.2	84	6.5	0	3	1	18	9	0	0	0	0	0	0	2	5	2	4	18	1	2	13	14	1	5	1						



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JANUARY 1978

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 1961-70 AVERAGE	DRY BULB (DEGREES C)	DEPRESSION OF WET BULB (DEGREES C)	WET BULB (DEGREES C)	WET BULB (DEGREES C)	RELATIVE HUMIDITY (%)	OKTAS							BEAUFORT FORCE							N	NE	E	SE	S	SW	W	NW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
										0	1-2	3-5	6-7	8	SKY OBSERVED	0-39 M	40-190 M	200-390 M	400-990 M	1000-1900 M	2000-3900 M	4-9 KM	10-19 KM									20-39 KM	40 KM AND OVER	SPEED (KT)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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NUMBER OF OBSERVATIONS							SPEED (KT)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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6 SCOTLAND M-CONTO. STRATHCLYDE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															







TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JANUARY 1978

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 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE										N	NE	E	SE	S	SW	W	NW					
										0	1 - 2	3 - 5	6 - 7	8	SKY OBSERVED											SPEED (KT)																						
																										18 OR MORE	22-33	11-21	1-10	0																		
																															NUMBER OF OBSERVATIONS																	
5 ENGLAND SE & CENT. S.				-CONTO.																																												
KENT																																																
DUNGENESS	7	3	1011.1	-	-	-	-	5.2	4	5	4	6	12	0	0	0	0	1	1	5	6	18	0	2	5	13	9	2	4	1	0	0	0	0	8	2	13	1	4	5	4							
		9	1010.5	-	4.6	0.9	7.4	86	6.4	0	2	6	9	14	0	0	0	0	1	1	8	8	13	0	2	4	16	9	0	3	0	1	2	6	3	12	1	5	4	5								
		15	1009.8	-	-	-	-	-	6.6	0	2	5	10	14	0	0	0	0	1	6	9	14	0	1	5	18	6	1	3	1	0	0	6	3	6	11	5	4	5									
		21	1010.9	-	-	-	-	-	4.5	4	10	3	4	9	1	0	1	0	0	2	1	10	16	1	1	3	14	11	2	4	1	0	0	6	3	11	4	5	4	5								
MANSTON	45	3	1010.9	-	-	-	-	5.4	4	2	6	8	11	0	0	0	0	1	1	6	14	9	0	1	2	14	14	0	3	1	0	0	7	12	6	2	2	2	2	2	2							
		9	1010.3	-	-	-	-	6.5	1	2	2	14	10	2	0	1	0	0	3	1	6	8	10	2	0	5	13	13	0	3	0	1	10	6	8	11	2	2	2	2								
		15	1009.7	-	4.7	1.1	7.1	83	6.4	1	2	4	10	14	0	0	1	1	0	11	6	10	1	0	4	19	8	0	3	0	1	0	0	8	6	11	2	2	2	2								
		21	1010.8	-	3.4	0.7	6.9	87	4.8	2	9	5	4	11	0	0	0	0	1	0	8	11	10	1	0	3	14	14	0	4	1	0	0	8	6	11	2	2	2	2								
HAMPSHIRE																																																
SOUTHAMPTON	9	3	1011.0	-	4.3	1.0	7.0	84	5.3	5	5	2	3	16	0	0	0	1	1	5	7	16	0	0	0	7	24	0	3	3	3	1	5	0	12	4	3	4	3	4								
		9	1011.0	-	4.5	1.0	7.2	84	5.8	2	4	1	15	9	0	0	0	0	0	2	5	8	15	1	0	0	8	22	1	3	5	1	1	5	3	10	3	4	3									
		15	1010.4	-	6.7	1.8	7.3	74	5.8	0	7	4	7	13	0	0	0	0	0	2	6	4	18	1	0	0	12	19	0	4	1	2	7	2	10	3	4	3	4									
21		1011.5	-	4.7	1.0	7.2	84	4.7	6	6	3	6	10	0	0	0	0	1	0	5	8	16	0	0	1	5	24	1	4	1	3	1	4	1	15	1	15	1	15									
WEST SUSSEX																																																
GATWICK	60	3	1010.9	-	2.3	0.6	6.6	89	5.9	2	4	5	4	14	2	0	2	0	1	3	7	6	11	0	0	3	9	14	5	3	0	2	7	6	6	1	6	3	1	6	3							
		9	1010.4	-5.0	2.6	0.6	6.7	90	6.5	0	3	3	12	11	2	0	2	0	1	2	8	7	8	3	0	1	9	16	5	3	1	0	2	4	7	6	1	6	3									
		15	1009.8	-	5.2	1.4	7.0	79	5.9	0	6	4	11	9	1	0	0	0	1	1	7	8	11	2	0	1	18	10	2	3	1	1	4	6	7	6	1	6	3									
		21	1010.9	-	2.7	0.6	6.8	90	4.8	4	8	2	3	14	0	0	0	0	2	4	10	6	8	1	0	2	8	18	3	2	2	3	12	3	3	3	3	3	3									
EAST SUSSEX																																																
HERSTMONCEUX	28	3	1011.9	-	3.0	0.6	7.0	90	5.8	3	4	2	7	15	0	0	0	1	0	3	8	11	8	0	0	5	6	17	3	7	0	1	1	6	3	9	0	1	0	1								
		9	1011.3	-	3.2	0.6	7.1	90	6.3	0	5	2	11	12	1	0	1	0	1	1	6	9	11	2	0	5	8	14	4	4	2	1	1	6	3	9	0	1	0	1								
		15	1010.8	-	5.4	1.2	7.3	81	5.8	0	6	7	8	10	0	0	0	0	1	1	3	7	12	7	0	6	13	12	0	3	3	0	2	7	2	14	0	1	0	1								
		21	1011.9	-	3.2	0.6	7.1	90	5.0	4	7	2	4	14	0	0	0	0	1	0	1	6	13	10	0	0	5	4	14	8	7	0	0	2	7	2	4	1	0	1								
7A ENGLAND NW & I.O.M.																																																
CUMBRIA																																																
CARLISLE	28	3	1007.0	-	2.6	0.6	6.6	89	6.9	0	1	3	13	13	1	0	0	0	2	0	1	6	13	8	1	0	10	20	1	4	3	1	5	5	2	9	1	2	2	2								
		9	1006.8	-5.6	2.4	0.6	6.6	90	6.5	0	4	1	13	12	0	0	1	0	1	0	2	8	6	10	3	0	2	11	15	3	2	4	1	7	1	4	7	2	2	2								
		15	1006.9	-	4.0	0.9	7.0	85	6.0	0	3	5	17	6	0	0	0	0	1	1	7	10	8	4	0	1	11	18	1	5	1	1	3	3	4	12	3	4	3	4								
		21	1007.4	-	2.6	0.6	6.6	89	6.1	1	4	5	6	14	1	0	0	1	0	4	5	8	12	0	0	1	10	17	3	4	0	2	1	6	7	7	1	1	1									
LANCASHIRE																																																
SQUIRES GATE	11	3	1008.2	-	3.7	0.6	7.2	89	6.9	0	3	1	8	17	2	0	2	0	0	1	1	6	7	13	1	0	3	13	15	0	5	0	5	7	2	0	9	3	5	5								
		9	1007.9	-5.1	3.5	0.6	7.2	90	6.4	0	4	3	10	12	2	0	2	0	0	2	3	6	6	11	1	1	2	17	11	0	4	0	4	7	3	1	7	3	5	5								
		15	1008.0	-	4.8	0.9	7.5	86	6.3	0	3	3	16	9	0	0	0	0	1	0	4	5	8	11	2	0	3	14	14	0	3	0	1	5	2	3	9	8	3	5								
		21	1008.6	-	3.5	0.5	7.2	91	6.1	0	4	6	10	9	2	0	1	1	0	1	2	7	10	9	0	1	1	15	14	0	5	2	4	4	2	6	5	3	3									
GREATER MANCHESTER																																																
MANCHESTER	42	3	1008.4	-	3.9	1.1	6.7	82	6.7	2	1	2	10	16	0	0	0	0	1	1	2	8	14	5	0	0	0	8	21	2	4	1	1	4	9	7	2	1	2	2								
		9	1008.0	-	3.7	1.1	6.6	82	6.9	0	4	1	12	14	0	0	0	0	0	7	7	15	2	0	0	0	11	19	1	5	1	1	5	3	6	7	2	2	2									
		15	1008.0	-	4.9	1.5	6.6	76	6.6	0	2	5	11	13	0	0	0	0	1	1	3	8	9	9	0	0	0	9	22	0	3	1	1	2	7	5	10	2	2	2								
		21	1008.8	-	4.0	1.2	6.6	80	5.7	4	4	0	12	11	0	0	0	0	1	1	1	11	10	7	0	0	0	6	23	2	4	0	1	5	11	3	4	1	1	1								
RINGWAY		84	3	1008.9	-	3.2	0.7	6.9	88	6.7	0	2	5	6	17	1	0	0	1	1	2	8	8	9	1	0	2	12	16	1	3	0	1	1	13	6	3	3	3	3	3							
	9		1008.5	-5.0	3.1	0.7	6.8	88	6.6	0	4	1	13	12	1	0	0	1	1	2	5	6	11	5	0	0	1	13	16	1	3	1	1	2	10	4	6	4	2	2								
	15		1008.5	-	4.5	1.2	6.9	82	6.4	0	3	2	14	11	1	0	1	0	2	2	11	5	9	1	0	2	13	15	1	3	1	1	0	8	4	11	2	2	2									
	21		1009.6	-	3.2	0.7	6.8	88	5.8	2	4	3	9	12	1	0	0	2	0	1	4	9	7	8	0	0	1	8	22	0	2	1	0	2	18	2	3	3	3									
ISLE OF MAN																																																
POINT OF AYRE	9	3	1007.6	-	4.7	0.8	7.6	87	6.5	1	4	2	5	19	0	0	0	0	0	1	0	5	8	17	1	6	15	7	2	2	1	0	2	7	4	8	6	3	3									
		9	1007.5	-4.3	4.5	0.8	7.4	87	6.4	0	2	7	5	17	0	0	0	0	0	0	1	4	13	13	2	10	12	7	0	5	1	1	2	6	4	9	3	3										
		15	1007.7	-	5.6	1.1	7.6	83	5.6	0	1	15	6	9	0	0	0	0	0	0	1	6	10	14	1	9	14	6	1	5	0	1	0	4	1	6	8	5	5									
		21	1008.0	-	4.8	0.9	7.5	86	6.2	0	4	7	2	18	0	0	0	0	0	2	1	8	20	0	0	9	11	11	0	5	1	1	3	5	8	6	3	3										
RONALDSWY		21	3	1007.8	-	4.7	1.1	7.2	82	6.3	0	5	3	6	16	1	0	0	0	0	1	0	0	10	14	6	1	4	15	11	0	6	0	2	3	5	6	5	4	5								
	9		1007.8	-4.4	4.7	1.0	7.2	85	6.1	0	4	4	14	9	0	0	0	0	0	3	1	6	9	12	5	16	8	0	8	1	1	0	4	4	8	5	5	5										
	15		1007.9	-	5.8	1.4	7.3	78	5.6	0	4	9	9	9	0	0	0	0	0	1	4	3	13	10	0	6	16	9	0	4	0	1	2	2	5	10	7	7	7									
	21		1008.2	-	4.8	1.1	7.2	82	6.4	0	2	5	12	12	0	0	0	0	0	1	4	4	17	5	0	8	11	11	1	7	0	0	0	5	3	9	6	6										
7B WALES N																																																
GWYNEDD																																																
BARDESEY ISLAND	19	3	1010.2	-	6.																																											







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

JANUARY 1978

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	
LERNICK (PSYCHROMETER)	0	18	13	0	0	0	0	0	0	0	0	8	17	6	0	0	CAMBRIDGE BOTANIC GARDENS	0	14	17	0	0	0	0	0	0	0	1	14	16	0	0	0	0
LERNICK (SCREEN)	1	19	11	0	0	0	0	0	0	0	0	10	15	6	0	0	EDOBASTON	0	17	14	0	0	0	0	0	0	0	0	6	21	4	0	0	0
STORNOWAY	0	15	16	0	0	0	0	0	0	0	1	11	13	6	0	0	KEM (PSYCHROMETER)	1	7	22	1	0	0	0	0	0	1	11	15	4	0	0	0	
CRAIBSTONE	0	20	11	0	0	0	0	0	0	0	0	21	9	1	0	0	KEM (NORTH-WALL SCREEN)	1	8	22	0	0	0	0	0	0	0	10	17	4	0	0	0	
ROTHESAY	0	17	14	0	0	0	0	0	0	0	0	11	16	4	0	0	HASTINGS	0	7	24	0	0	0	0	0	0	0	6	22	3	0	0	0	
ABBOTSINCH	1	17	12	1	0	0	0	0	0	0	7	9	12	3	0	0	SOUTHAMPTON	0	2	27	2	0	0	0	0	0	0	9	17	5	0	0	0	
ESKDALEHUIR (PSYCHROMETER)	4	22	5	0	0	0	0	0	0	2	3	15	11	0	0	0	STONTHURST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ESKDALEHUIR (SCREEN)	4	22	5	0	0	0	0	0	0	2	3	15	11	0	0	0	VALLEY	0	5	26	0	0	0	0	0	0	0	3	20	8	0	0	0	
DOUGLAS	0	10	21	0	0	0	0	0	0	0	0	6	21	4	0	0	RHOOSE	0	8	23	0	0	0	0	0	0	0	5	21	5	0	0	0	
BOULMER	0	17	13	1	0	0	0	0	0	0	0	12	17	2	0	0	FALMOUTH	0	2	23	6	0	0	0	0	0	0	2	23	6	0	0	0	
HULL	0	10	21	0	0	0	0	0	0	0	0	11	19	1	0	0	ALDERBOROYE	0	14	17	0	0	0	0	0	0	1	9	17	4	0	0	0	
DOORLESTON	0	9	22	0	0	0	0	0	0	0	0	9	22	0	0	0	ARMAGH	0	14	17	0	0	0	0	0	0	0	11	17	3	0	0	0	

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

JANUARY 1978

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES	DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										HIGHEST VALUES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
			ABOVE MSL	ABOVE GROUND EFFECTIVE	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
					DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	SPEED-KT	HOUR BEGINNING			SPEED-KT	HOUR BEGINNING	SPEED-KT	DAY	TIME																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

19  
JANUARY 1978

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES	DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										HIGHEST VALUES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			ABOVE MSL	ABOVE GROUND EFFECTIVE	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
					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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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TABLE 3. ADDITIONS AND CORRECTIONS

[illegible]

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.



# MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

MET.0.921

**FEBRUARY**

VOLUME 95



## Very cold middle two weeks, with heavy snowfall.

Frontal systems moved eastwards across all areas during the first week, but their progress was retarded as pressure rose over Norway and a mainly east to north-easterly airstream became established. A depression off north-west Scotland moved southwards to France between the 10th and the 12th, and low-pressure centres also developed over the North Sea during the second week. A ridge from an anticyclone over Greenland then extended south-eastwards over northern and eastern Britain, while slow-moving frontal systems affected the south-west. The high-pressure centre moved south-eastwards across the North Sea to Germany on the 19th and 20th and a succession of fronts were then able to cross the British Isles from south-west to north-east during the remainder of the month.

### Weather

The weather was changeable during the first week, with gales in western districts. The next two weeks were very cold, winds were easterly, and sleet and snow fell in all areas. There were heavy falls of snow in the north during the second week and in the south-west during the third week. Snowfall in the latter area culminated in an exceptionally severe blizzard on the 18th/19th. Unusually deep drifts blocked roads and railways, and power and water supplies were also disrupted. The advent of warmer air on the 20th brought a rapid thaw to many parts of the south-west and flooding was severe in places in south Devon, where high tides coincided with the melting snow. The mild weather, with rain and hill fog at times, spread to all areas within the next few days.

### Wind

Wind directions were mainly westerly until the 6th and there were gales on exposed coasts between the 1st and the 4th. Severe west to north-westerly gales in south-western areas on the 1st/2nd endangered shipping, and the Seven Stones Light Vessel was adrift for a time. Winds were predominantly easterly over the next two weeks and there were gales at times between the 15th and the 23rd. On the 18th/19th high winds, combined with heavy snowfall, caused a severe blizzard in the south-west. Winds became lighter during the last week, with directions between south-east and south-west. Gusts of between 60 and 70 kt were recorded at several places in the south-west on both the 1st/2nd and the 18th/19th.

### Temperature

Monthly mean temperatures were below average in all districts, departures from average ranging from about -4 °C in places in the Grampians to within -1 °C over much of Northern Ireland, in parts of southern England, and along some western coasts of Great Britain. Temperatures were near to normal in many areas during the first week, however, and it was often mild in the south and west, but the next two weeks were very cold. In parts of Lincolnshire and East Anglia temperatures did not rise above 0 °C during the 5 days from the 9th to the 13th and the monthly minima over England, Wales and Northern Ireland were mostly recorded during this period. In Scotland the lowest minima occurred around mid-month or on the night of the 19th/20th, when Scotland's

lowest recorded temperature since 1963, -22.0 °C, was reported at Keith (Grampian Region). Warm air from the south-west then spread northwards over all districts and the remainder of the month was mild.

### Rainfall (including melted snow)

Rainfall totals were below average in extreme south-east England, parts of Wales and north-west England, and over much of Northern Ireland and the western side of Scotland. In Scotland, totals in parts of the north-west were less than 50 per cent of the normal, in marked contrast with the east coast, where over 200 per cent of average was recorded in places. Monthly totals were also above average in most remaining parts of the United Kingdom and more than twice the normal precipitation fell in places in north-east England, in the Channel Islands and over most of south-west England, amounts exceeding 300 per cent of the average at one or two places in south Devon. Occasional rain was heavy at times during the first week, but most of the precipitation during the next two weeks was of a wintry character. There were further outbreaks of rain during the last week and scattered thunderstorms occurred in the south.

### Snow

Snow or sleet fell occasionally over high ground in northern areas during the first week, but the deep snow lying in parts of the Scottish Highlands and over the northern Pennines on the 1st was the result of heavy snowfall at the end of January. Showers of snow, sleet or hail fell in all areas during the middle two weeks of February, the showers merging at times to give longer periods of snow. Snow lay to depths of 20 - 25 cm in Dundee and in Edinburgh (the heaviest snowfall there since 1955) on the evening of the 12th, and undrifted depths of 50 - 80 cm were measured over high ground in south-east Scotland and north-east England on the 13th and 14th. Heavy snow fell over south-west England on the 15th and 16th and this was

followed on the 18th/19th by an unusually severe blizzard, which extended to South Wales. Level snow accumulated to depths of about 60 cm in places on Dartmoor and Exmoor and to 85 cm at Nettlecombe (Bird's Hill) in Somerset, but drifts of at least 6 m were reported over a wide area, which included Dorset and Wiltshire. The exceptional weather cut communications and caused severe hardship, and although milder weather soon reached the south-west, several towns and villages were isolated by snowdrifts for some days.

### Sunshine

Monthly sunshine totals were between about 120 and 140 per cent of average over much of the western half of Scotland and in Shetland. Parts of Northern Ireland also had above-average sunshine. Totals were below normal almost everywhere else and were mostly between 70 and 100 per cent of average, but parts of south-east Scotland and a few places in south-east England and the Midlands, had only about 50 per cent of the normal. In many areas most of the month's sunshine was recorded during the middle two weeks, particularly in Scotland, and it was generally dull after the 20th.

### Fog

Patches of fog formed at times throughout the month and visibility was impaired during periods of heavy snowfall. Overnight fog was slow to clear in parts of central England and west Wales on the 7th and patches of freezing fog developed in Scotland and northern and central England on the 17th and 18th. Many parts of England and Wales were affected by fog on the 21st and 22nd and hill fog developed extensively over Britain on the 25th and 26th. Coastal fog also occurred during the last few days of the month.

### Miscellaneous Phenomena

Nil

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						
0 Scotland N	11.5	-10.5	-1.3	-1.4	-1.4	-1.3	0	81	110
1 Scotland E	12.2	-20.5	-2.2	-2.7	-2.4	-0.5	+3	165	81
2 England E & NE	13.0	-14.2	-1.8	-1.5	-1.6	-0.7	+6	140	82
3 East Anglia	13.8	-9.4	-1.3	-0.5	-0.9	-0.5	+3	115	80
4 Midland Counties	13.3	-10.2	-1.4	-1.0	-1.2	-0.9	+3	113	73
5 England SE & Central S	13.9	-9.4	-1.1	-0.4	-0.8	-0.7	+3	109	71
6 Scotland W	11.5	-13.9	-1.4	-1.6	-1.5	-1.1	-1	97	107
7 England NW & Wales N	14.0	-10.0	-1.4	-0.8	-1.1	-0.9	0	100	81
8 England SW & Wales S	12.4	-9.8	-1.4	-0.5	-0.9	-1.0	+4	169	79
N Ireland	11.8	-8.4	-1.0	-0.8	-0.9	-0.9	-1	99	102
Scotland	12.2	-20.5	-1.6	-1.9	-1.8	-1.0	+1	114	99
England & Wales	14.0	-14.2	-1.4	-0.8	-1.1	-0.8	+3	124	78

\*Highest maximum and lowest minimum of District Value Stations.



# RAINFALL (in millimetres)

## FEBRUARY 1978

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

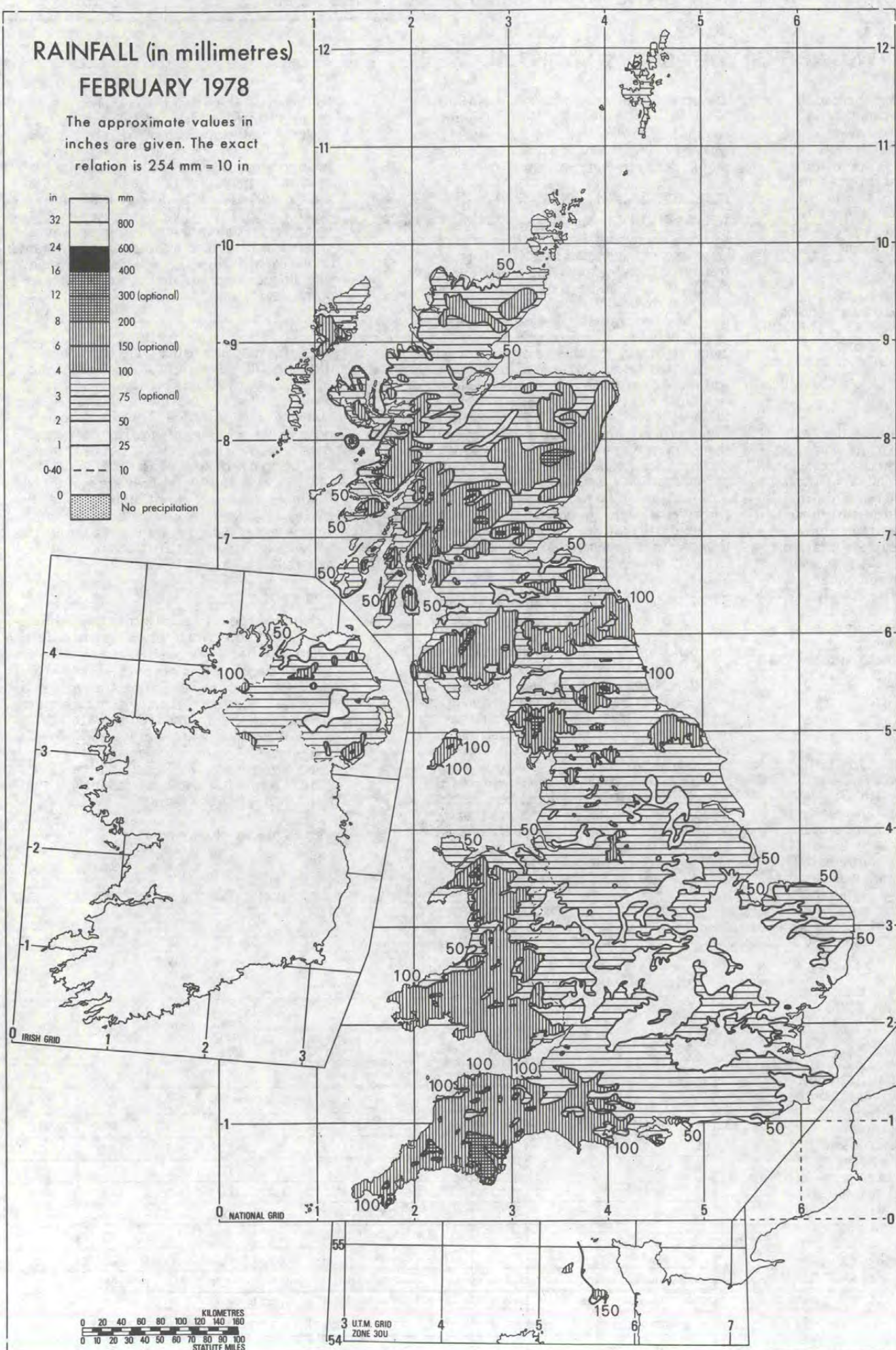
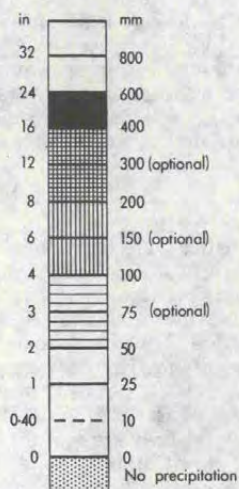








TABLE 2 SOLAR RADIATION

FEBRUARY 1978

STATION	DAILY GLOBAL IRRADIATION ON A HORIZONTAL SURFACE (MEGAJoules PER SQUARE METRE)						DAILY DIFFUSE IRRADIATION ON A HORIZONTAL SURFACE (MEGAJoules PER SQUARE METRE)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
Lerwick	6.4	20	0.3	4.5.26	2.9	27	3.9	20	0.3	4.5	1.8	27
Aberdeen University	8.4	15	0.3	4	3.3	28						
ESKDALEHUIR	9.0	16	0.8	4	4.1	28	4.4	13	0.7	4	2.4	28
MOOR HOUSE	8.5	17	1.4	2	4.6	28						
SUTTON BONINGTON	7.7	17	0.7	4	4.1	28						
GRAHAM WATER	7.8	17	0.6	2	4.6	28						
ABERPORTH	8.4	11	1.5	3	4.9	28	4.9	20	1.5	3	3.5	28
CARDINGTON												
SILSOE	8.2	17	0.6	2	4.5	28	5.2	20	0.5	2	3.1	28
ROTHAMSTED												
GARSTON												
MALLINGFORD	7.8	17	0.9	2	3.6	28						
LONDON WEATHER CENTRE	8.5	11	0.5	2	3.8	28	5.2	20	0.6	2	2.9	28
KEN	8.4	11	0.8	4	3.8	28	5.7	28	0.8	4	3.0	28
EASTHAMPTON	7.8	17	0.9	2	3.9	28	5.0	28	0.9	2	3.0	28
EAST MALLING	9.8	11	0.2	7	3.7	28						
RUSTINGTON	10.7	11	0.9	4	5.3	28						
EVERTON												
WAREHAM	8.7	11	1.2	4	4.9	28						
JERSEY AIRPORT	11.6	27	1.4	4	4.9	28	5.3	12	1.4	28	3.5	28
ALDERGROVE	8.7	17	1.2	3.22	4.2	28	4.4	27	1.2	3	2.5	28

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

FEBRUARY 1978

DISTRICT REGION/COUNTY AND PLACE			MAX. TERMINAL H(HT) 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	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
									MAX. (A)	MIN. (B)	MAX.	DATE					MIN.	DATE															
0 SCOTLAND N																																	
SHEPHERD																																	
BALASOUND ... ..																																	
FAIR ISLE ... ..																																	
LERWICK ... ..																																	
PSYCHROMETER ... ..																																	
SCREEN ... ..																																	
ORKNEY																																	
KIRKALL AIRPORT ... ..																																	
MEYLAND ... ..																																	
WESTERN ISLES																																	
BENBECULA ... ..																																	
STORNOWAY ... ..																																	
HIGHLAND																																	
ACHARY ... ..																																	
ACHNASHELLACH ... ..																																	
BALMACARRA ... ..																																	
CAPE WRATH ... ..																																	
CASSLEY ... ..																																	
CORPACH ... ..																																	
CRAIGDARROCH ... ..																																	
DALCROSS ... ..																																	
DALWHINNIE ... ..																																	
DIBRIG ... ..																																	
DOUNREAY ... ..																																	
FORT AUGUSTUS ... ..																																	
FORTROSE ... ..																																	
GEISEGILL ... ..																																	
GLENMORE LODGE ... ..																																	
GRANTOWN-ON-SPEY ... ..																																	
HEASTE ... ..																																	
INVERNESS ... ..																																	
INVERPOLLY ... ..																																	
ISLE OF RHUM ... ..																																	
KEISS ... ..																																	
KNOCKANROCK ... ..																																	
LAGANLITA ... ..																																	
LAIRG ... ..																																	
LENTAN ... ..																																	
MAIRN ... ..																																	
ONICH ... ..																																	
POOLEME ... ..																																	
PRABOST ... ..																																	
STRATHCONON ... ..																																	
TARBATNESS ... ..																																	
TOMATIN ... ..																																	
TORRISDALE ... ..																																	
WICK ... ..																																	



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

25  
FEBRUARY 1978

DISTRICT REGION/COUNTY AND PLACE			MAX. TERMINAL HEIGHT 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 24 H)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		30 CH DEGREES C	100 CH DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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TABLE 3 SUMMARY OF DAILY OBSERVATIONS

FEBRUARY 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(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 AMOUNT (MM)	DATE	PRECIP- ITATION 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	ORLE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE			
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																						
6 SCOTLAND W																																
STRATHCLYDE																																
ACHAGLACHGACH ...	9 9	12	5.5	-0.7	2.4	-	10.0	24	-7.5	17	-	-	97	86	22	22	15	12	4	1	0	0	0	0	16	21	-	0	-	-	-	-
AROS ...	9 9	37	5.9	-0.9	2.5	-	10.3	28	-8.1	12	-	-	62	-	19	22	12	12	1	0	0	0	0	1	15	21	-	0	-	-	-	-
AUCHINCUIVE ...	9 9	45	5.2	-0.3	2.5	-1.0	10.8	28	-6.2	10	2.7	4.5	41	75	10	25	14	9	4	1	0	3	0	0	15	19	-	0	3.04	115	-	-
BENMORE (YOUNGER BOTANIC GARDEN) ...	9 9	12	4.6	-1.4	1.6	-	9.2	28	-7.0	16	1.3	-	179	109	62	22	14	13	6	7	0	2	0	2	16	24	0	-	-	-	-	-
BRODICK CASTLE ...	9 9	15	5.6	1.0	3.3	-	10.1	28	-4.8	10	3.2	-	131	109	44	22	15	13	3	1	0	0	0	0	12	18	0	-	-	-	-	-
CAMPS RESERVOIR ...	9 9	295	2.1	-3.0	-0.5	-	7.6	27	-13.8	15	-	-	78	94	19	22	17	14	15	17	0	0	0	3	19	0	0	-	2.03	-	-	-
CARNWATH ...	9 9	208	3.0	-5.2	-1.1	-	9.6	27	-17.4	17	1.5	-	59	110	12	11	18	13	13	15	0	4	0	2	21	23	1	-	-	-	-	-
COTABRIDGE ...	9 9	66	3.9	-2.7	0.6	-	10.5	28	-10.5	17	-	-	59	105	11	1	14	11	1	1	0	0	0	0	18	0	0	-	-	-	-	-
COLONSAY ...	9 9	35	5.9	1.0	3.5	-	10.0	24.28	-5.5	10	-	-	42	-	9	1	14	11	3	0	0	0	0	0	12	-	0	-	-	-	-	-
CRAIGHOUSE ...	9 9	4	5.7	1.0	3.3	-	9.1	6.28	-5.6	12	-	-	72	-	17	22	16	12	3	2	1	2	0	0	10	13	1	-	-	-	-	-
CRAWFORD JOHN ...	9 9	274	2.5	-3.6	-0.5	-	8.0	27.28	-15.0	15	1.6	-	-	-	-	-	6	13	0	0	0	0	0	2	19	21	0	1.88	-	-	-	-
CUMNOCK ...	9 9	99	4.6	-2.1	1.3	-	10.3	28	-8.6	13	1.8	-	53	-	15	25	16	11	4	2	0	0	0	2	15	19	0	2.66	-	-	-	-
DUNSTAFFNAGE ...	9 9	3	5.3	-0.1	2.6	-	10.2	28	-5.9	10	-	-	59	-	11	24	15	12	3	1	0	0	0	0	16	18	0	-	-	-	-	-
EAST KILBRIDE ...	9 9	178	3.5	-2.4	0.5	-	10.6	28	-10.2	17	-	-	91	-	21	3	17	13	7	18	0	0	0	0	16	23	0	3.20	-	-	-	-
GIRVAN ...	9 9	8	5.9	0.7	3.3	-	11.2	25	-4.7	17	-	-	65	99	16	22	13	12	1	0	0	0	0	0	12	14	2	3.29	-	-	-	-
GLASGOW																																
ABBOTSLINCH AIRPORT ...	21-9	5	4.7	-2.1	1.3	-2.2	11.4	28	-11.6	17	-	-	82	-	18	22	18	10	12	4	0	2	0	2	19	20	0	3.02	137	-	-	-
SPRINGBURN PARK ...	9 9	107	3.8	-2.1	0.9	-1.8	10.6	28	-9.4	17	-	-	77	108	13	22	16	12	9	18	0	0	0	14	17	27	0	2.89	134	-	-	-
WEATHER CENTRE (X)	21-9	40	5.0	0.5	2.7	-	12.0	28	-7.2	17	-	-	64	-	11	22	13	10	10	-	0	0	0	2	12	-	0	3.02	-	-	-	-
GREENOCK ...	9 9	61	-	-	-	-	-	-	-	-	-	-	108	95	(29)	22	13	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HELENSBURGH ...	9 9	96	3.2	-2.1	0.5	-2.4	9.9	28	-7.0	17	-	-	103	98	21	22	15	13	-	22	-	-	-	3	18	-	-	3.35	-	-	-	-
HUNTERSTON ...	9 9	8	5.1	0.1	2.6	-	9.2	28	-7.5	16	-	-	81	-	(22)	22	(12)	(11)	2	0	0	0	0	0	0	-	0	-	-	-	-	-
KILDONAN ...	9 9	18	5.5	0.4	2.9	-	9.0	6.28	-4.0	13	-	-	67	-	14	25	15	12	3	-	0	0	0	0	14	17	0	3.40	-	-	-	-
KNAPDALE FOREST ...	9 9	12	5.6	-1.9	1.9	-	10.0	28	-9.2	17	-	-	93	-	25	22	15	12	2	1	0	0	0	0	16	20	0	-	-	-	-	-
LEADHILLS ...	9 9	388	2.0	-3.7	-0.9	-	7.1	26	-12.6	11	-	-	143	133	41	22	15	13	11	22	0	0	0	2	20	20	0	-	-	-	-	-
NACHTHANS ...	21-9	10	5.7	1.1	3.4	-	11.2	24	-5.6	10	-	-	76	95	26	22	16	9	3	1	0	0	0	1	13	18	0	3.07	-	-	-	-
MILLPORT ...	9 9	5	5.5	1.1	3.3	-	9.0	28	-3.0	9.10	-	-	80	106	22	22	11	10	2	-	0	0	0	0	13	-	0	-	-	-	-	-
PAISLEY ...	9 9	32	4.8	-0.9	1.9	-1.8	11.5	28	-7.5	17	1.5	4.7	77	93	17	22	14	10	8	2	0	0	0	2	15	21	0	2.63	127	-	-	-
PRESTWICK ...	21-9	16	5.3	-0.6	2.3	-	11.4	28	-7.7	12	-	-	42	78	10	25	14	9	5	1	0	2	0	0	16	19	0	3.20	-	-	-	-
RHUVAL ...	21-9	20	5.7	-2.2	3.9	-	10.8	24	-2.0	17	-	-	66	75	18	22	12	10	1	0	0	0	0	0	9	13	2	-	-	-	-	-
ROTHESAY ...	9 9	43	5.0	0.7	2.9	-	10.5	28	-3.5	10	2.4	4.1	90	96	20	22	15	12	2	1	0	0	0	0	13	19	0	-	-	-	-	-
SLOY ...	21-9	12	4.1	-1.1	1.5	-	9.0	27	-8.2	18	-	-	143	-	37	22	15	13	8	-	0	0	0	0	16	-	0	-	-	-	-	-
STRONACHULLIN ...	9 9	2	5.5	0.1	2.8	-	10.4	24	-5.8	17	-	-	92	-	(22)	22	(13)	(11)	2	2	0	0	0	0	14	20	0	-	-	-	-	-
TREE ...	21-9	9	5.9	1.6	3.7	-1.2	9.3	27	-4.4	12	-	-	44	60	14	22	13	9	4	0	0	4	0	1	10	15	17	2	3.44	136	-	-
UPLAWMOOR ...	9 9	128	3.9	-3.0	0.5	-	10.1	28	-9.4	17	-	-	116	-	24	22	13	12	5	3	0	0	0	0	19	20	0	-	-	-	-	-
CENTRAL																																
ARROCHMORE ...	9 9	30	4.2	-1.9	1.1	-	10.5	28	-8.0	17	-	-	123	-	22	22	15	12	-	8	-	-	-	1	16	22	-	2.45	-	-	-	-
CALLANDER ...	9 9	107	3.4	-2.4	0.5	-	8.2	27	-8.3	17	-	-	124	109	23	22	14	12	3	23	0	0	0	0	20	24	0	-	-	-	-	-
EARLS HILL ...	21-9	335	0.6	-3.5	-1.5	-	7.5	27	-8.4	18	-	-	155	-	28	22	20	15	10	-	0	1	0	8	21	24	1	2.82	-	-	-	-
FALKIRK ...	9 9	3	4.6	-3.1	0.7	-	10.4	28	-11.8	16	-	-	77	-	11	22.25	21	14	7	15	0	0	0	0	18	-	0	1.71	-	-	-	-
GRANGEMOUTH ...	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PARKHEAD ...	9 9	107	4.2	-2.6	0.8	-	10.5	28	-8.5	16	0.8	-	93	-	(23)	22	12	11	-	13	-	-	-	4	18	-	-	-	-	-	-	-
STIRLING (BATTERFLATS)	9 9	38	4.1	-3.0	0.5	-	12.2	28	-10.2	18	1.3	3.0	102	-	24	22	16	12	10	22	0	2										



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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FEBRUARY 1978

DISTRICT REGION/COUNTY AND PLACE			MAX. TERMINAL (HOUR) 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 AMOUNT (MM)	DATE	PRECIP- ITATION 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
					MAX. (A)	MIN. (B)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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TABLE 3 SUMMARY OF DAILY OBSERVATIONS

FEBRUARY 1978

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	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. OR MORE CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE		
					MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																						
4 MIDLAND COUNTIES																																		
WEST YORKSHIRE																																		
BRADFORD ...			9 9	134	(4.1)	(-0.9)	(1.6)	(-1.3)	11.2	27	-10.0	11	2.2	3.9	67	94	12	1	19	13	11	14	0	2	0	3	17	20	0	-	-	-	S	
BRAMHAM ...			9 9	54	3.8	-1.8	1.0	-	12.4	24	-10.0	11	-	-	51	105	12	4	19	16	11	14	0	0	0	5	16	22	0	1.16	58	-	-	
HUDDERSFIELD(OAKES) ...			21-9	232	3.6	-0.6	1.5	-1.1	12.5	24	-8.5	11	2.1	3.5	53	64	11	4	23	14	10	14	0	0	0	2	15	20	0	1.44	67	-	-	
ILKLEY ...			9 9	83	4.3	-1.1	1.6	-1.4	11.0	24	-9.5	11	-	-	74	108	20	4	19	12	7	12	0	0	0	3	15	20	0	-	-	-	-	
PONTEFRAC ...			9 9	78	4.3	-0.4	1.9	-1.4	11.6	24	-6.6	11	-	-	54	134	9	4	20	16	10	14	0	3	0	3	15	20	0	-	-	-	-	
TODMORDE ...			9 9	160	4.1	-1.0	1.5	-	10.8	24	-12.0	11	-	-	73	-	12	1	19	16	9	16	0	7	0	4	17	-	0	-	-	-	-	
WILSON ...			9 9	262	3.1	-2.2	0.5	-	9.8	24	-10.9	11	-	-	67	-	13	1	21	12	10	15	0	1	0	6	17	(21)	0	-	-	-	-	
SOUTH YORKSHIRE																																		
FINNINGLEY ...			21-9	10	4.2	-0.7	1.7	-	12.6	24	-10.0	18	-	-	51	127	11	1	20	12	9	13	0	2	0	2	16	19	18	0	1.93	-	-	-
SHEFFIELD																																		
DORE ...			9 9	206	3.7	-0.8	1.5	-	11.2	24	-7.0	11.20	-	-	69	-	12	1	23	17	9	15	1	5	0	6	16	21	-	0	-	-	-	
MESTON PARK ...			9 9	131	(4.4)	(-0.5)	(1.9)	(-1.6)	11.9	24	-6.6	11	2.8	4.3	55	83	9	1	19	17	9	15	0	0	1	-	(14)	-	0	1.20	62	S		
DERBYSHIRE																																		
ASHOVER ...			9 9	178	4.1	-0.9	1.6	-	11.0	24	-7.7	11	-	-	75	-	11	4	22	15	13	16	0	0	0	10	17	20	-	0	1.26	-	-	-
BUXTON ...			9 9	307	3.0	-1.6	0.7	-1.0	9.8	27	-11.3	11	1.2	2.1	109	109	21	1	20	17	5	14	0	0	0	1	7	18	21	-	0	-	-	S
DERBY ...			9 9	48	5.0	-0.1	2.5	-	12.1	27	-6.5	11	-	-	49	106	11	4	17	11	5	9	0	0	0	4	15	20	-	0	1.23	-	-	-
WINGERWORTH ...			9 9	116	4.3	-1.3	1.5	-	11.4	26	-11.1	11	1.8	-	65	-	10	4	23	17	9	15	0	1	1	2	17	22	-	0	1.32	-	-	S
NOTTINGHAMSHIRE																																		
MANSFIELD ...			9 9	114	4.3	-0.9	1.7	-1.4	14.0	25	-8.0	20.21	-	-	67	-	11	4	21	15	5	8	0	0	0	1	15	19	-	0	-	-	-	-
NEWTHORPE ...			9 9	58	4.6	-1.0	1.8	-	11.6	24	-7.6	11	-	-	54	-	13	4	14	12	-	-	-	-	-	-	17	-	-	-	-	-	-	
NOTTINGHAM ...			9 9	59	(5.2)	(-0.1)	(2.5)	(-1.2)	(12.0)	24.27	-5.5	11	(2.2)	(3.5)	42	105	10	4	17	14	7	10	0	0	0	5	15	21	-	1	(2.01)	(106)	-	-
SUTTON BONINGTON ...			9 9	48	5.3	-1.3	2.0	-1.4	12.4	24	-8.6	11	3.3	4.5	39	94	8	4	21	10	6	13	0	0	0	2	18	21	19	0	1.51	67	-	-
WARSOP ...			9 9	46	4.5	-1.8	1.3	-	12.3	24	-10.8	20	-	-	56	124	8	1	22	14	6	12	0	2	0	6	17	22	-	0	1.65	-	-	-
WATNALL ...			21-9	117	4.3	-0.2	2.1	-1.2	12.0	24	-6.5	11	-	-	54	102	10	4	21	15	10	7	0	3	0	4	15	21	19	0	1.49	72	-	-
STAFFORDSHIRE																																		
KEELE ...			9 9	179	4.0	-0.8	1.6	-	10.7	26	-8.5	11	2.1	4.2	67	124	15	1	16	12	7	6	0	0	0	4	18	21	18	0	-	-	-	-
OKEN ...			9 9	125	4.7	-0.8	1.9	-1.0	10.9	24	-8.6	11	2.9	-	60	130	17	1	16	12	3	0	0	0	0	6	18	21	-	0	-	-	-	S
PENKIRIDGE ...			9 9	101	(4.9)	(-1.6)	(1.7)	-	11.6	24	-9.9	11	-	-	55	121	14	1	16	11	5	5	0	0	0	3	(19)	21	-	0	-	-	-	-
STONE ...			9 9	107	4.5	-1.2	1.7	-	11.5	24	-10.6	11	-	-	69	144	19	1	19	12	8	7	2	0	1	4	20	20	-	1	1.43	-	-	-
LEICESTERSHIRE																																		
CALDECOTT ...			9 9	53	5.1	-0.8	2.1	-	12.1	24	-8.1	11	-	-	47	118	12	4	16	11	7	3	0	0	0	5	17	20	-	0	1.65	-	-	-
NEWTOWN LINCOLN ...			9 9	119	4.7	-0.7	2.0	-	12.3	24	-7.4	18	-	-	57	121	12	1	21	12	7	13	0	1	0	4	16	19	-	0	1.63	-	-	-
SALOP																																		
HAMPTON LODGE ...			9 9	70	5.5	-0.7	2.4	-	11.7	26	-9.0	11	-	-	55	-	11	3	14	10	-	-	-	-	-	-	18	-	-	-	1.29	-	-	-
NEWPORT ...			9 9	64	5.0	-0.5	2.3	-0.8	12.2	26	-10.0	11	-	-	54	128	16	1	17	15	7	7	0	1	0	4	18	21	-	0	1.57	72	S	
OSWESTRY ...			9 9	174	4.2	-0.6	1.8	-1.4	10.0	24	-7.0	11.12	-	-	72	109	17	1	18	12	7	7	0	3	0	4	15	20	-	0	1.80	73	S	
PRESTON MONTFORD ...			9 9	67	5.2	-0.5	2.3	-	12.1	26	-8.7	11	2.6	4.0	42	-	10	3	18	9	5	4	0	0	0	0	17	22	-	0	1.69	-	-	-
SHARNBURY ...			21-9	72	5.3	-0.6	2.3	-1.2	12.5	24	-9.9	11	-	-	41	97	11	1	16	9	9	2	1	0	0	3	17	20	20	0	1.36	59	-	-
SHREWSBURY ...			9 9	56	5.4	-0.1	2.7	-1.0	12.6	26	-8.4	11	3.1	4.7	39	96	7	1.3	18	11	1	4	0	0	0	5	17	21	-	0	1.30	55	-	-
WEST MIDLANDS																																		
BIRMINGHAM																																		
EDGBASTON ...			21-9	163	4.3	0.6	2.5	-1.0	11.2	24	-6.5	11	3.8	-	60	112	15	1	18	12	10	6	0	3	0	3	15	17	17	0	1.31	65	-	-
ELMDON AIRPORT ...			21-9	96	4.9	-0.2	2.3	-1.0	12.1	24	-10.2	11	-	-	50	-	7	25	16	10	8	4	0	4	0	3	17	19	17	0	1.51	68	-	-
KING EDWARD'S SCHOOL ...			9 9	137	5.0	-0.2	2.4	-	11.9	24	-7.0	11	-	-	63	126	15	1	18	10	-	4	0	4	0	2	15	-	-	0	-	-	-	-
COVENTRY AIRPORT ...			9 9	81	5.1	-0.7	2.2	-	12.1																									



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FEBRUARY 1978

DISTRICT REGION/COUNTY AND PLACE		MAX. TERMINAL HEIGHT 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 2-8)	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 AMOUNT (MM)	DATE	PRECIP- ITATION 0.2 MM OR MORE 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	DRLE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
				MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																				
5 ENGLAND SE & CENTRAL S.																															
GREATER LONDON																															
BROMLEY ...																															
GREENWICH ...																															
HAMPSTEAD ...																															
HARTON ...																															
HARRON WEALD ...																															
HEATHROW AIRPORT ...																															
KENSINGTON PALACE ...																															
KEN ...																															
PSYCHROMETER ...																															
NORTH WALL SCREEN ...																															
LONDON																															
WEATHER CENTRE (X) ...																															
ST JAMES PARK ...																															
SOUTHGATE ...																															
WADDON ...																															
MILTSHIRE																															
BOSCOMBE DOWN ...																															
LACOCK ...																															
LARKHILL ...																															
LYNEHAM ...																															
PORTON ...																															
TROMBIDGE ...																															
UPVORN ...																															
BERKSHIRE																															
EASTHAMPTON ...																															
HURLEY ...																															
LAMBURN (WARREN FARM) ...																															
READING ...																															
SHINFIELD (N.I.R.D.) ...																															
SURREY																															
WISLEY ...																															
KENT																															
DOVER R.M.S. ...																															
DUNGENESS ...																															
EAST MALLING ...																															
EDENBRIDGE ...																															
ELMSTONE ...																															
FAVERSHAM ...																															
FOLKESTONE ...																															
GILLINGHAM ...																															
GOUDHURST ...																															
HADLOW COLLEGE ...																															
HERNE BAY ...																															
MARGATE ...																															
ULCOMBE ...																															
WYE ...																															
HAMPSHIRE																															
ALICE HOLT LODGE ...																															
EVERTON ...																															
HAYLING ISLAND ...																															
LECKFORD ...																															
LONG SUITON ...																															
MARTYR WORTHY ...																															
SOUTHAMPTON																															
MAYFLOWER PARK ...																															
WEATHER CENTRE (X) ...																															
SOUTHSEA ...																															
SPARSHOLT ...																															
ISLE OF WIGHT																															
RYDE ...																															
ST CATHERINES POINT ...																															
SANDOWN ...																															
SHANKLIN ...																															
VENTNOR ...																															
WEST SUSSEX																															
BOONOR REGIS ...																															
FERNHURST ...																															
GATWICK AIRPORT ...																															
HURSTPIERPOINT ...																															
LITTLEHAMPTON ...																															
ROGATE ...																															
WORTHING ...																															
EAST SUSSEX																															
BEXHILL ...																															
BRIGHTON ...																															
EASTBOURNE ...																															
EAST HOATHLY ...																															
HASTINGS ...																															
HERSTMONCEUX ...																															
PLUMPTON ...																															



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

FEBRUARY 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (HGT) 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	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		
			MAX. (A)	MIN. (B)			MAX.	DATE																							MIN.	DATE
7A ENGLAND NW & I.O.M.																																
CUMBRIA																																
CARLISLE ...	21-9	26	5.0	-0.4	2.3	-	12.0	24.28	-8.2	11	2.7	4.4	48	95	12	1	14	11	9	4	0	1	0	0	17	19	17	0	2.65	-	-	
CARTMEL ...	9-9	35	4.9	-0.3	2.3	-	10.4	28	-7.3	11	-	-	92	-	19	22	14	11	1	1	0	0	0	0	19	20	0	0	-	-	-	
GRIZEDALE ...	9-9	91	4.8	-1.7	1.5	-	9.5	24	-7.7	13	1.9	-	120	88	39	22	14	12	7	3	0	0	0	0	18	20	-	0	-	-	-	
MOOR HOUSE ...	9-9	556	-0.3	-4.7	-2.5	-	6.2	27	-15.1	15	1.3	-	-	-	-	-	15	28	1	2	0	0	9	22	26	0	0	1.17	-	-	-	
NEWTON RIGG ...	9-9	171	3.6	-1.7	0.9	-1.6	9.1	25	-9.4	15	1.7	-	61	86	13	22	18	10	5	8	0	1	0	2	17	21	0	1.76	72	S	-	
SELLAFIELD ...	9-9	13	5.7	0.5	3.1	-	9.8	28	-8.0	11	-	-	-	-	-	-	-	-	2	-	-	-	2	13	(16)	-	-	(2.02)	-	-	-	
LANCASHIRE																																
HAZEL RIGG ...	9-9	95	5.0	0.1	2.5	-	11.4	24	-5.9	11	-	-	68	-	16	22	15	10	8	4	0	0	0	1	16	20	0	0	2.67	-	-	-
HELSHORE ...	9-9	260	3.0	-1.1	0.9	-	9.5	24	-8.7	11	2.2	-	86	81	17	1	15	12	3	15	0	0	0	6	18	(20)	0	0	1.89	-	-	-
KIRKHAM ...	9-9	24	5.2	-0.1	2.5	-	11.3	24	-8.7	11	-	-	71	120	13	22	12	11	4	1	0	0	0	1	15	21	0	0	2.27	-	-	-
MORECAMBE ...	9-9	7	5.3	0.8	3.1	-0.6	12.0	24	-4.8	11	-	-	71	121	15	22	13	11	2	0	0	0	1	15	-	0	0	2.77	108	-	-	
PRESTON ...	9-9	33	5.6	0.3	2.9	-	11.7	24	-7.5	11	-	-	61	98	12	4	14	11	5	1	0	0	0	1	14	18	0	0	-	-	-	-
SLAIDBURN ...	9-9	192	3.6	-1.3	1.1	-	10.0	25	-8.9	11	-	-	89	81	20	22	14	10	2	1	0	1	0	1	19	20	0	0	1.80	-	-	-
SQUIRES GATE AIRPORT ...	21-9	10	5.7	0.2	2.9	-1.0	11.9	28	-7.1	11	-	-	79	147	13	22	12	11	6	1	0	2	0	3	16	17	0	0	2.58	98	-	-
STONYHURST ...	9-9	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERSEYSIDE																																
ALBURNTH ...	9-9	12	5.3	0.8	3.1	-	11.5	24	-5.7	11	-	-	58	-	11	1	13	13	5	0	0	0	0	5	14	20	18	0	1.46	-	-	-
BIDSTON ...	9-9	60	4.8	1.0	2.9	-	11.6	24	-4.5	11	-	-	52	-	12	1	13	12	4	1	0	0	0	4	13	17	-	0	1.67	-	-	-
ST HELENS ...	9-9	76	5.0	0.5	2.7	-	11.7	24	-6.8	11	2.2	-	61	-	13	1	13	12	6	-	0	0	0	-	14	-	0	0	1.79	-	-	S
SOUTHPORT ...	9-9	5	5.3	-0.4	2.5	-1.2	12.0	24	-6.9	11	2.7	6.7	62	116	10	22	13	11	-	-	-	-	-	17	18	-	-	2.10	82	-	-	-
WEST KIRBY PARK ...	9-9	7	5.8	0.4	3.1	-1.0	11.9	24	-6.1	11	-	-	49	103	13	1	13	12	1	0	0	0	0	-	15	17	0	0	-	-	-	-
GREATER MANCHESTER																																
BOLTON ...	9-9	107	4.8	-0.2	2.3	-	11.5	24	-7.3	11	2.8	4.2	62	-	15	1	18	11	3	14	0	0	0	2	14	17	-	0	1.56	78	S	-
MANCHESTER ...	9-9	107	4.8	-0.2	2.3	-	11.5	24	-7.3	11	2.8	4.2	62	-	15	1	18	11	3	14	0	0	0	2	14	17	-	0	1.56	78	S	-
RINGWAY AIRPORT ...	21-9	75	5.3	1.0	3.1	-0.6	11.9	24	-8.9	11	-	-	44	83	12	1	16	9	7	4	0	1	0	2	13	14	14	0	2.06	94	-	-
WEATHER CENTRE (X) ...	21-9	69	5.8	1.9	3.9	-	12.9	24	-6.0	11	-	-	47	-	14	1	17	10	10	-	0	0	0	0	12	-	0	0	1.86	-	-	-
CHESHIRE																																
KNUTSFORD ...	9-9	65	5.5	0.0	2.7	-	12.5	24	-9.2	11	2.5	3.6	57	105	13	1	17	13	4	5	0	0	0	1	16	20	-	0	-	-	-	-
MACCLESFIELD ...	9-9	152	4.2	-0.5	1.9	-1.0	11.4	24	-9.6	11	-	-	61	97	12	1	16	14	6	13	0	2	0	12	16	-	0	-	-	-	-	-
NESS GARDENS ...	9-9	30	5.4	0.0	2.7	-	12.4	24	-6.4	11	3.1	-	48	102	13	1	14	11	5	0	0	1	0	1	14	23	-	0	1.53	-	-	S
ISLE OF MAN																																
DOUGLAS ...	9-9	85	4.9	1.7	3.3	-1.0	8.5	28	-2.2	10	-	-	114	146	30	22	15	12	6	0	0	3	0	1	9	15	-	4	2.26	81	-	-
POINT OF AYRE ...	21-9	9	5.4	2.5	3.9	-1.1	11.0	24	-1.9	10	-	-	73	138	15	22	14	12	3	0	0	0	2	5	-	-	1	2.63	92	-	-	
RONALDSWAY AIRPORT ...	21-9	16	5.5	2.0	3.7	-1.0	9.6	24	-3.6	13	-	-	107	179	34	22	15	13	7	4	0	3	0	1	9	16	14	3	2.55	91	-	-
7B WALES N																																
GWYNEDD																																
BALA ...	9-9	163	4.9	-0.8	2.1	-	10.9	24	-8.8	11	2.7	4.2	94	93	21	22	19	11	6	4	0	1	0	0	18	20	19	0	1.47	-	-	-
BAROSEY ISLAND ...	21-9	15	6.2	3.1	4.7	-	9.6	2	-1.5	20	-	-	87	150	31	3	18	13	4	2	0	3	0	0	5	9	9	6	-	-	-	-
BETWS-Y-COED ...	9-9	20	6.0	-0.3	2.9	-	12.0	24	-6.5	11	2.9	-	101	-	30	1	15	15	6	13	0	0	0	0	14	20	-	0	-	-	-	-
BOTWNNOG ...	9-9	34	6.4	1.0	3.7	-	10.9	28	-4.9	12	4.0	6.3	(91)	(127)	31	3	17	11	7	2	0	2	0	0	13	16	-	2	2.39	-	-	-
CHWYSTRAOLLYN ...	9-9	204	5.3	0.8	3.1	-	9.5	22.23	-5.0	12	-	-	130	-	41	3	18	17	-	-	-	-	-	-	11	-	-	-	1.79	-	-	-
LLYN ALAW ...	9-9	44	6.3	1.5	3.9	-	12.5	23.28	-4.0	11	-	-	89	-	23	3	19	14	-	-	-	-	-	-	8	-	-	-	2.37	-	-	-
PEN-Y-FFRIDD ...	9-9	84	6.1	1.0	3.5	-	12.4	23	-4.5	11	-	-	79	106	12	3.22	18	17	6	10	0	0	0	0	13	23	-	2	1.90	-	-	S
TRAFSGWYDD ...	9-9	193	5.0	0.2	2.6	-	10.5	23	-5.4	12	-	-	135	108	31	22	19	14	4	4	0	2	-	-	13	15	-	-	-	-	-	-
VALLEY ...	21-9	10	6.5	2.2	4.3	-0.7	12.7	23	-3.3	12.15	-	-	75	126	19	3	16	13	8	6	0	1	0	0	12	16	13	3	2.55	87	-	-
CLYDD																																
ALWEN ...	9-9	335	3.3	-2.6	0.3	-	10.0	24	-11.5	11	-	-	113	116	32	1	20	16	-	-	-	-	-	-	19	23	-	-	-	-	-	-
BALCHGWYN ...	9-9	386	2.2	-1.9	0.1	-	8.5	24	-8.5	11.12	2.2	-	93	107	31	1	18	14	14	13	0	0	0	6	15	17	-	2	-	-	-	-
COLWYN BAY ...	9-9	18	5.7	1.6	3.7	-	11.4	24.27.28	-3.8	11	3.5	-	51	91	13	3	14	12	2	0	0	0	0	0	13	-	0	0	1.61	65	-	-
CORNWEN ...	9-9	144	5.2	-0.8	2.2	-	11.7	26	-10.1	11	-	-	92	110	21	1	21	12	2	7	0	0	0	-	17	21	-	0	-	-	-	-
HAWARDEN BRIDGE ...	9-9	5	5.4	0.1	2.7	-1.6	14.0	24	-7.1	11	-	-	50	100	15	1	14	10	6	3	0	0	0	1	14	-	0	0	1.47	-	-	S
LOGGERHEADS ...	9-9	210	4.1	-1.7	1.2	-	10.4	24	-10.8	11	2.7	4.1	74	116	26	1	19	15	7	11	0	4	0	3	18	21	-	0	1.47	-	-	-
PRESTATYN ...	9-9	4	5.9	1.3	3.6	-1.1	12.3	24	-5.3	11	-	-	37	81	8	3	15	7	4	0	0	0	0	0	14	-	0	0	1.82	78	-	-
RUTHIN ...	9-9	76	5.5	0.1	2.8	-	12.7	24	-8.2	11	-	-	46	79	13	1	19	10	5	5	0	0	0	0	15	-	0	0	1.70	-	-	-
POWYS (NORTH)																																
HOPE ...	9-9	91	5.2	-0.3	2.5	-	12.9	26	-9.7	11	3.1	-	47	-	11	3	15	9	9	8	0	2	0	0	3	16	19	-	0	-	-	-
LAKE VYNNY ...	9-9	303	3.1	-1.4	0.9	-1.4	9.5	24	-10.0	11	1.5	-	111	82	31	-	18	14	11	16	0	0	0	7	18	21	-	5	-	-	-	
LLANFAIR CAEREINION ...	9-9	236	4.1	-0.5	1.8	-	11.1	26	-8.7	11	2.7	-	77	-	15	1	17	13	5	2	0	0	0	2	15	19	-	0	-	-	-	-
MOEL CYNNEDD ...	9-9	358	2.9	-2.1	0.4	-	9.2	26	-13.1	12	2.5	-	171	-	64	1	21	17	10	15	1	1	0	0	18	19	-	2	-	-	-	-
7B WALES S																																
DYFFED																																
ABERPORTH ...	21-9	134	5.4	1.9	3.7	-0.9	11.0	26	-5.6	12	-	-	74	119	15	3	18	15	11	8	1	1	0	1	12	14	15	2	2.31	84	-	-
ABERYSTWYTH ...	9-9	4																														



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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FEBRUARY 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (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	AMOUNT (MM)	DATE	PRECIP- ITATION 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				
			MAX. (A)	MIN. (B)			MAX.	DATE																					MIN.	DATE		
8A WALES S CONTINUED																																
WEST GLAMORGAN																																
MUMBLES HEAD ...	21-9	36	5.5	1.7	3.6	-	9.9	1	-4.7	11	-	-	-	-	-	-	8	3	0	0	0	0	9	13	11	5	-	-				
NEATH ...	9-9	62	6.0	1.4	3.7	-	10.8	26	-7.5	11	-	-	(111)	(132)	19	3	(20)	(18)	6	3	0	0	0	1	1	15	2	-	-			
PENMAEN ...	9-9	87	5.5	1.1	3.3	-	10.0	1,26	-6.2	12	3.9	5.1	(111)	(130)	21	3	(20)	17	11	8	0	0	0	3	13	15	5	2.24	-			
PORT TALBOT ...	9-9	5	(6.6)	(1.2)	(3.9)	-	12.0	24	-9.5	11	-	-	(125)	(168)	(31)	18	(20)	16	9	2	0	0	0	0	(10)	6	15	3	(2.32)	-		
SWANSEA ...	9-9	10	6.0	1.3	3.7	-1.0	10.2	1	-6.1	13	3.5	6.0	104	137	20	3	(19)	(15)	1	0	0	0	0	6	15	-	-	-	-			
WHITEFORD BURROWS ...	9-9	5	6.4	1.6	4.0	-	11.5	24,26	-7.0	12	-	-	-	-	-	-	8	9	1	0	0	1	10	(16)	-	0	-	-	-			
MID GLAMORGAN																																
ABERDARE FILTER STATION	9-9	174	4.6	0.0	2.3	-	9.9	24	-9.1	11	-	-	152	-	28	22	18	14	3	0	0	0	0	0	15	22	-	0	1.64	-		
CILFYNYDD ...	21-9	194	(4.4)	(0.2)	(2.3)	-	9.8	24	-8.1	12	-	-	125	-	19	25	15	13	9	7	0	0	0	2	-	-	0	-	-			
LLWYNON ...	9-9	241	4.0	-0.7	1.7	-	9.0	24	-9.6	11	-	-	161	121	27	22	19	16	9	0	0	0	0	6	15	-	0	-	-			
PORTHCAWL ...	9-9	6	-	-	-	-	-	-	-	-	-	-	(123)	(186)	(27)	18	(21)	(18)	-	-	-	-	-	-	-	-	-	-	-			
SOUTH GLAMORGAN																																
BRIDGEND ...	9-9	40	6.0	0.5	3.3	-	11.5	24	-8.1	12	3.6	6.0	157	-	52	18	19	17	6	8	0	1	0	2	15	-	2	-	-			
CARDIFF (BUTE PARK) ...	9-9	9	6.2	0.9	3.5	-	11.8	26	-7.6	13	-	5.7	134	-	30	18	18	16	4	6	0	0	0	0	13	20	-	0	2.03	-		
RHOSE AIRPORT ...	21-9	67	5.1	0.9	3.0	-	10.0	24	-7.4	11	-	-	(101)	-	(20)	18	(17)	(16)	11	9	1	1	0	3	13	-	0	2.26	-			
Gwent																																
CRUMBLAND ...	9-9	245	4.3	-0.5	1.9	-	10.0	24	-7.6	11	2.8	4.1	94	128	16	22	17	15	3	7	0	0	0	7	16	19	-	3	1.87	-		
USK ...	9-9	21	6.1	-0.3	2.9	-1.0	12.3	24	-11.0	12	3.5	-	97	124	16	3	18	17	5	0	0	0	0	15	21	-	0	1.49	65	-		
8B ENGLAND SW																																
AVON																																
BATH ...	9-9	118	(5.5)	(0.5)	(3.0)	-	11.1	24	-7.3	11	(3.7)	-	(74)	137	13	3	(17)	(17)	9	7	0	0	0	0	-	-	0	-	-			
FILTON ...	21-9	59	5.8	1.0	3.4	-0.8	12.6	24	-7.6	11	-	-	74	145	13	3	18	17	10	6	1	2	0	1	13	18	17	0	2.05	92	-	
LONG ASHTON ...	9-9	51	6.1	0.4	3.3	-1.0	12.4	24	-8.5	11	3.5	-	75	129	12	3	19	16	9	6	0	1	0	2	14	17	-	0	2.16	91	-	
SOMERSET																																
CANNINGTON ...	9-9	28	6.1	0.8	3.5	-1.2	12.1	24	-7.2	12	3.6	-	55	112	12	3	14	12	7	8	0	0	0	1	13	19	-	0	2.37	88	-	
CREWKERNE ...	9-9	101	5.2	0.3	2.7	-	10.7	1	-7.6	11	3.2	-	128	-	28	19	18	17	5	7	0	0	0	1	-	-	0	-	-			
DOWNSIDE ABBEY ...	9-9	183	(5.0)	(0.0)	(2.5)	-	10.8	24	-8.0	11	-	-	115	153	(22)	16	(18)	(15)	5	4	0	0	0	2	-	-	0	-	-			
EXTON ...	21-9	329	3.7	-0.2	1.7	-	9.2	24	-7.9	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
HAWKRIDGE ...	9-9	314	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
NETTLECOMBE ...	9-9	96	5.6	(0.1)	(3.7)	-	11.3	24	-8.2	11,12	-	-	185	-	(42)	18	20	17	9	9	0	0	0	1	-	-	0	-	-			
NETTLECOMBE (BIRDS HILL) ...	9-9	280	-	-	-	-	-	-	-	-	-	-	121	-	51	24	12	9	9	-	0	0	0	0	-	-	1	-	-			
RODNEY STOKE ...	9-9	40	5.8	0.7	3.3	-	11.7	24	-6.9	12	4.0	5.5	89	145	13	25	(19)	(18)	5	6	0	0	0	1	10	19	-	0	-	-		
WINCANTON ...	9-9	113	-	-	-	-	-	-	-	-	-	-	119	185	(18)	18	(18)	(14)	-	7	-	-	-	-	-	-	-	-	-			
YEOVILTON ...	21-9	18	6.1	0.4	3.3	-	12.0	27	-9.1	12	-	-	138	260	31	19	18	16	9	7	0	0	1	1	14	-	2	-	-			
DORSET																																
BOURNEMOUTH																																
HURN AIRPORT ...	21-9	10	6.0	0.7	3.3	-	11.6	1	-9.7	12	-	-	124	226	39	18	19	15	8	7	0	0	0	1	14	14	14	0	2.59	-		
MEYRICK PARK ...	9-9	40	(5.7)	(0.6)	(3.1)	(-1.4)	10.4	1	-7.2	12	(3.6)	(5.0)	(124)	(239)	(30)	18	17	15	6	7	1	0	0	2	-	-	1	-	-			
CHRISTCHURCH ...	9-9	3	6.0	1.1	3.5	-	11.8	1	-6.5	11	-	-	(124)	(239)	(30)	18	17	15	6	7	1	0	0	1	11	16	-	1	-	-		
POOLE ...	9-9	5	(5.9)	(1.1)	(3.5)	(-1.0)	12.3	24	-7.0	12	(3.9)	(5.8)	(108)	(204)	(20)	18	(18)	(13)	4	4	0	0	0	6	(10)	14	-	0	2.36	82	-	
PORTLAND BILL (COASTGUARD) ...	21-9	53	5.8	2.4	4.1	-1.4	9.7	1,24	-5.2	11	-	-	133	-	27	19	19	15	7	2	0	0	0	2	9	-	7	(2.71)	-	-		
SWANAGE ...	9-9	11	6.2	1.8	4.0	-1.1	11.3	1	-5.6	11	-	6.6	109	196	15	25	17	15	6	2	1	1	0	1	7	11	-	0	2.40	86	-	
WEYMOUTH ...	9-9	23	(6.5)	(1.1)	(3.8)	-	11.6	23	-7.1	12	-	-	(145)	-	(26)	18	(19)	(16)	4	5	0	0	0	0	-	-	0	-	0	2.38	80	-
WIMFRITH ...	9-9	26	(6.1)	(0.7)	(3.4)	-	11.5	23	-8.5	12	-	-	(138)	(227)	(25)	18	(19)	(14)	7	8	0	0	0	1	-	-	4	-	-	-		
DEVON																																
CHAWLEIGH ...	9-9	168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
EXETER AIRPORT ...	21-9	32	6.3	1.6	3.9	-1.0	12.6	24	-7.9	11	-	-	181	312	47	18	19	17	10	8	0	0	0	1	12	-	2	2.17	81	-		
EXMOUTH ...	9-9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
HARTLAND POINT ...	21-9	93	(5.8)	(2.9)	(4.9)	-	11.3	26	-4.6	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ILFRACOMBE ...	9-9	8	6.9	3.0	4.9	-	12.4	24	-3.4	11	4.9	7.0	93	-	13	3	19	16	6	0	0	0	0	7	-	-	0	-	-	-		
OKEHAMPTON ...	9-9	372	(4.2)	(0.0)	(2.1)	-	9.6	25	-8.8	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
PLYMOUTH																																
MOUNT BATTEN ...	21-9	27	7.1																													



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

FEBRUARY 1978

DISTRICT REGION/COUNTY AND PLACE		MAX. MIN.	TERMINAL H(OMT) 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	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	
									MAX.	DATE	MIN.	DATE																						
NORTHERN IRELAND																																		
LONDONDERRY																																		
ACHANLLOO ...	99	18	6.4	0.7	3.5	-	12.0	28	-5.0	10	-	-	31	7	1	10	8	0	0	0	0	0	0	0	0	13	16	-	-	-	-	-	-	
BANAGHER(CAUGH HILL) ...	99	216	5.0	-0.5	2.3	-	10.6	28	-6.5	11	-	-	100	27	22	14	12	4	5	0	0	0	0	0	4	14	18	-	9	2.77	-	-		
CARMONEY ...	99	73	6.0	1.0	3.5	-	11.2	28	-4.0	10	-	-	45	13	1	14	9	2	1	0	0	0	1	13	17	-	-	-	2.91	-	-			
COLERAINE UNIVERSITY ...	99	23	6.2	0.2	3.2	-	11.7	24	-7.0	10	3.3	5.4	43	12	3	13	10	4	0	1	0	0	2	14	17	-	0	2.82	110	-	-			
COOLKEERAGH ...	99	3	6.4	1.3	3.9	-	12.7	28	-5.1	10	-	-	58	23	1	11	10	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-		
DERRYNOYD FOREST ...	99	88	6.1	-0.5	2.8	-	12.2	28	-7.3	10	-	-	103	113	29	22	16	12	2	1	0	0	0	3	14	19	-	-	-	-	-	-		
GARYVACH FOREST ...	99	88	5.8	-0.7	2.5	-	11.1	24	-7.3	11	-	4.3	88	104	22	22	15	11	1	1	0	0	0	1	15	20	-	-	-	-	-	-		
LOUGHMORE FOREST ...	99	174	5.6	-0.8	2.4	-	10.6	28	-8.2	11	-	-	55	64	13	1	18	11	8	6	3	2	1	5	15	18	-	-	-	-	-	-		
MONEYDIO ...	99	34	6.1	-0.7	2.7	-1.0	10.9	4.24	-8.4	11	3.3	-	57	79	21	22	16	10	-	-	-	-	-	5	14	18	-	-	-	-	-	-		
TRADD POINT ...	99	16	6.1	-0.8	2.7	-	10.6	5	-8.5	10	-	-	67	-	20	22	17	11	3	-	0	0	0	-	13	-	-	-	-	-	-	-	-	
ANTRIM																																		
ALDERGROVE AIRPORT ...	21-9	68	5.7	0.6	3.1	-0.7	11.2	28	-7.7	10	3.4	6.0	51	84	16	22	17	8	8	3	0	4	0	0	12	18	14	0	2.40	100	-	-		
ALTRAHINCH ...	99	213	4.5	-0.6	1.9	-	9.6	28	-8.7	10	-	-	73	70	24	22	16	10	5	7	1	0	0	1	14	21	-	0	2.59	-	-	-		
BALLYLUMFORD ...	99	24	6.1	1.9	4.0	-	10.6	28	-3.0	11	-	-	80	-	30	22	13	9	-	-	-	-	-	5	15	-	-	-	-	-	-	-		
BALLYPATRICK FOREST ...	99	152	5.2	0.5	2.9	-	11.5	28	-6.0	10	-	-	75	87	25	22	15	11	0	-	0	0	0	1	12	17	-	0	3.10	-	-	-		
CARNLOUGH ...	99	12	7.0	1.7	4.3	-	12.2	28	-6.5	11	-	-	60	-	18	22	16	10	4	-	0	0	0	1	5	-	-	-	-	-	-	-		
DIVIS MOUNTAIN ...	99	363	3.2	-1.9	0.7	-	8.7	24	-8.0	10	-	-	104	129	27	3	14	14	4	-	0	0	0	-	16	-	-	-	-	-	-	-		
GREENMOUNT ...	99	38	6.0	0.5	3.3	-	11.6	28	-7.0	10	3.7	-	49	86	19	22	13	8	5	3	0	0	0	-	13	16	-	-	-	-	-	-		
HYDE PARK (MALLUSK) ...	99	140	5.3	0.3	2.8	-	10.0	4	-5.6	10	-	-	93	-	29	22	13	12	4	0	0	0	0	-	12	17	-	-	-	-	-	-		
KILROOT POWER STATION ...	99	12	6.1	1.7	3.9	-	10.5	28	-5.2	11	-	-	55	-	15	23	15	10	2	0	0	0	0	-	6	16	-	-	-	-	-	-		
LISNAFFILLAN ...	99	38	6.2	-1.5	2.3	-	10.5	4	-10.6	10	-	-	74	114	29	22	15	11	5	1	0	0	0	1	16	20	-	-	-	2.73	-	-		
LONTOWN ...	99	271	4.0	-0.3	1.9	-	9.3	28	-6.0	10	1.9	-	90	96	21	3	20	14	3	5	0	0	0	9	14	18	-	0	2.52	-	-	-		
PARKMORE FOREST ...	99	235	4.1	-1.1	1.5	-	9.4	28	-8.4	11	2.1	-	103	93	29	1	18	13	2	1	0	0	0	3	16	22	-	1	-	-	-	-		
WOODBURN NORTH ...	99	217	4.5	0.0	2.3	-	9.5	28	-7.5	11	-	-	79	100	21	3	19	13	2	1	0	0	0	7	14	16	-	-	-	-	-	-		
BELFAST																																		
ANDERSONSTOWN ...	99	64	5.9	1.4	3.7	-	11.4	28	-5.0	11	-	-	62	-	15	22	18	13	3	2	2	0	0	2	11	16	-	-	-	-	-	-		
MALONE ...	99	35	6.1	1.0	3.5	-	11.7	24	-4.4	11	3.5	-	66	-	18	22	15	15	-	-	-	-	-	4	13	17	-	-	-	2.76	-	-		
MILLTOWN ...	99	37	6.2	0.9	3.5	-	12.4	24	-5.0	10	-	-	64	-	18	22	17	13	7	3	0	1	0	2	12	21	-	-	-	-	-	-		
NEWTOWNABBEY ...	99	32	6.1	2.1	4.1	-	11.3	28	-3.6	11	3.8	-	57	82	13	22	15	9	6	3	0	0	0	2	5	16	13	0	2.45	-	8	-		
ROSEBANK ...	99	47	6.1	1.2	3.7	-	11.2	28	-4.1	11	-	-	71	-	20	22	17	12	-	6	-	-	-	-	11	-	-	-	-	-	-	-		
ROSETTA ...	99	24	6.2	1.0	3.6	-	11.8	28	-5.8	13	-	-	61	98	23	22	12	9	2	5	0	0	0	3	12	-	-	-	-	-	-	-		
STORMONT CASTLE ...	99	56	5.8	1.3	3.5	-	11.3	24	-4.5	11	3.2	5.0	77	123	21	22	17	15	3	5	0	0	0	2	12	18	-	-	-	2.56	-	-		
DOWN																																		
BANGOR SEACOURT ...	99	15	6.1	2.5	4.3	-	11.3	24	-2.3	11	4.0	6.2	67	-	22	22	15	12	7	2	0	8	0	3	4	15	13	3	2.72	-	-	-		
BALLYWALTER PARK ...	-	11	-	-	-	-	-	-	-	-	-	-	69	135	28	22	16	14	-	-	-	-	-	-	-	-	-	-	-	2.58	-	-		
BALLYWATTCOCK ...	99	6	5.5	1.5	3.5	-	9.4	24.28	-4.4	11	3.2	4.9	65	123	25	22	16	15	5	6	0	4	0	2	10	18	-	0	2.94	-	-	-		
DOWNPATRICK ...	99	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
HELENS BAY ...	99	43	5.9	1.9	3.9	-	11.4	24	-3.5	11	-	-	75	131	23	22	14	14	7	1	1	2	0	3	9	18	-	1	2.59	-	-	-		
HILLSBOROUGH ...	99	116	5.4	0.5	2.9	-0.8	10.7	24	-6.1	10	3.7	5.6	60	105	17	22	18	12	4	6	0	0	0	2	13	19	-	2	2.65	114	-	-		
MAGHERALLY ...	99	97	5.6	-0.4	2.6	-	11.0	24	-9.1	11	-	-	53	-	19	22	17	11	6	3	0	3	0	-	13	19	-	-	-	-	-	-		
MURLOUGH ...	99	9	6.1	0.8	3.5	-	12.3	24	-6.0	11	3.5	4.6	99	-	34	22	17	12	6	1	0	2	0	6	12	17	-	5	2.47	-	-	-		
NEWRY ...	99	1	6.8	0.8	3.8	-	11.7	24	-6.4	11	-	-	78	-	29	22	16	11	2	0	0	0	0	0	10	20	-	-	-	-	-	-		
SILENT VALLEY ...	99	129	4.9	1.3	3.1	-	10.0	24	-3.9	11	-	-	123	-	32	3	18	16	6	5	1	0	0	5	10	16	-	-	-	2.04	-	-		
ARMAGH																																		
ARMAGH ...	99	62	5.9	0.4	3.1	-1.2	11.0	24	-6.1	11	2.9	4.8	47	83	10	28	15	10	6	6	1	0	0	1	12	20	-	3	2.20	91	-	-		
LOUGHBALL ...	99	25	6.3	0.4	3.3	-	12.0	28	-6.7	11	-	-	45	85	11	28	13	9	1	1	0	0	0	4	12	22	-	0	2.75	-	-	-		
LURGAN ...	99	55	6.2	0.6	3.4	-	11.3	28	-6.8	10	3.4	5.2	51	94	16	22	15	10	1	-	0	0	0	-	13	19	-	-	-	2.41	-	-		
TANDRAGEE ...	99	43	6.9	-0.5	3.2	-	11.6	24.28	-8.5	11	-	-	55	-	14	22	14	11	2	-	-	-	-	-	16	-	-	-	-	-	-	-		
TYRONE																																		
ALTAVEEDAN ...	99	175	5.5	-1.0	2.3	-	11.0	28	-8.5	10	-	-	83	-	27	22	16	12	-	-	-	-	-	-	13	18	-	-	-	-	-	-		
CARRIGANS ...	21-9	113	5.9	0.6	3.3	-	12.2	28	-7.2	10	-	-	66	85	14	22	16	14	8	4	1	2	0	1	12	17	14	0	2.44	-	-	-		
COOKSTOWN ...	99	77	5.7	-0.1	2.8	-	10.4	28	-5.7	10.11	2.9	-	71	100	20	22	15	11	5	0	0	0	0	4	13	19	-	-	-	2.69	-	-		
LOUGH BRADAN ...	99	169	5.2	-0.9	2.1	-	10.8	28	-9.1	10	-	-	82	85	15	23	18	13	-	2	-	-	-	-	1	14	19	-	-	2.32	-	-		
POMEROY FOREST ...	99	174	4.8	-0.3	2.3	-	10.0	28	-6.5	10	2.8	-	88	103	21	22	15	12	2	1	0	0	0	5	14	20	-	-	-	-	-	-		
STRABANE CONVENT ...	99	44	6.5	0.5	3.5	-	11.2	24	-6.9	10	-	-	57	87	11	22	19	10	5	2	0	0	0	2	13</									



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

FEBRUARY 1978

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)	WET BULB (DEGREES C)	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS					0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE					N	NE	E	SE	S	SW	W	NW								
										MEAN	0	1 - 2	3 - 5	6 - 7											8	SKY OBSERVED	34 OR MORE	22-33	11-21									1-10	0						
																																								SPEED (KT)					
																																									34 OR MORE	6-7	4-5	1-3	CALM
NUMBER OF OBSERVATIONS																																													
0 SCOTLAND N SHETLAND																																													
FAIR ISLE	61	9	1008.5	-	2.6	0.9	6.3	84	5.5	0	2	3	13	10	0	0	0	0	2	2	6	2	6	9	6	4	12	6	0	1	5	1	3												
	15		1008.4	-	3.1	1.0	6.4	82	5.9	0	2	3	9	6	2	0	0	1	1	4	2	2	3	3	6	4	12	3	1	2	2	2	2	1											
	21		1008.5	-	2.3	0.9	6.2	84	5.7	1	4	5	8	8	2	0	0	0	1	1	4	2	2	5	8	7	6	4	9	7	2	4	0	0	1										
LERWICK	83	3	1008.9	-	1.6	-	5.9	-	6.1	0	4	5	5	13	1	0	1	0	0	7	7	6	9	4	0	6	13	8	1	1	4	2	2	2	1										
	9		1009.1	-0.4	1.5	-	6.0	-	6.2	0	2	7	9	10	0	0	0	0	1	0	6	6	9	4	2	4	11	8	1	1	1	1	1	1	1										
	15		1008.9	-	2.0	-	6.0	-	6.0	0	3	4	14	7	0	0	1	0	1	0	10	7	1	8	7	0	5	12	11	0	0	2	2	2	1										
ORKNEY	21		1009.2	-	1.7	-	5.7	-	6.3	1	1	4	11	10	1	0	0	0	1	0	0	1	1	10	7	0	5	12	11	0	0	2	2	2	1										
	KIRKWALL	26	3	1007.5	-	2.0	0.7	6.3	87	5.3	0	7	5	6	10	0	0	0	0	1	0	3	7	11	5	0	3	15	8	2	2	5	2	0	0										
		9		1007.8	-2.4	2.3	0.6	6.5	88	6.3	0	4	3	13	8	0	0	0	0	1	2	4	4	8	9	0	5	10	11	2	1	4	3	1	1										
15			1007.5	-	3.5	1.1	6.6	81	6.1	0	5	3	7	12	1	0	0	2	0	1	4	3	9	9	0	4	15	9	0	1	6	1	10	6	1										
WESTERN ISLES	21		1007.7	-	2.2	0.8	6.3	85	5.4	0	6	6	4	11	1	0	1	0	0	0	1	5	6	10	5	0	3	14	10	1	1	4	4	6	8										
	BENBECULA	7	3	1005.8	-	2.4	0.5	6.8	90	5.0	0	10	2	8	8	0	0	0	0	0	1	4	2	10	11	0	0	9	19	0	3	5	5	6	5	3									
		9		1005.7	-5.0	2.6	0.5	6.9	91	5.3	0	7	5	9	7	0	0	0	0	0	2	2	5	8	11	0	1	14	12	0	1	1	7	9	4	0									
15			1005.1	-	4.9	1.0	7.4	83	4.8	0	8	7	7	6	0	0	0	0	0	0	2	2	3	12	10	0	2	15	11	0	0	3	4	7	4	6									
STORNOWAY	21		1005.7	-	2.8	0.5	6.9	90	4.5	0	10	5	9	4	0	0	0	0	0	0	0	2	3	12	11	0	2	12	12	2	4	3	6	4	7	0									
	5	3	1006.0	-	2.1	0.5	6.6	90	4.7	1	8	3	10	6	0	0	0	0	0	0	0	3	9	10	6	0	2	7	17	2	4	0	3	5	3	2									
	9		1006.1	-4.4	2.8	0.7	6.7	87	5.5	0	5	6	10	7	0	0	0	0	0	0	0	2	7	14	5	0	1	7	16	4	0	3	5	3	7	2									
HIGHLAND	15		1005.6	-	4.6	1.1	7.1	82	5.7	0	3	8	9	8	0	0	0	0	0	0	0	3	3	14	5	0	1	13	14	0	1	2	7	4	7	2									
	21		1006.0	-	3.0	0.7	6.8	88	4.3	0	11	6	4	7	0	0	0	0	0	0	0	2	8	11	7	0	2	7	18	1	4	1	5	6	5	1									
	CAPE WRATH	113	3	1006.2	-	2.8	0.9	6.5	85	5.1	0	7	6	6	6	3	0	1	1	1	0	0	1	1	10	13	0	1	10	17	0	0	4	4	7	2	10								
9			1006.4	-	2.9	0.8	6.5	86	6.5	0	8	11	7	2	0	0	0	0	2	0	0	1	4	10	11	0	2	9	17	0	1	4	3	7	4	8									
15			1006.0	-	3.8	1.0	6.8	84	6.0	0	2	6	11	8	1	0	0	0	1	0	0	1	4	13	9	0	2	8	18	0	0	1	6	7	6	4									
DALCROSS	21		1006.3	-	3.2	0.9	6.6	84	5.0	0	3	14	4	7	0	0	0	0	0	0	0	0	5	13	10	1	1	10	16	0	1	3	4	8	6	4									
	12	9	1007.2	-	-0.7	0.4	5.6	91	6.1	0	3	4	17	4	0	0	1	0	0	0	1	3	7	10	6	0	0	4	18	6	3	2	2	1	2	10	2								
	15		1006.5	-	2.7	0.9	6.4	85	5.9	0	5	2	13	8	0	0	1	0	0	0	0	4	5	10	6	0	0	5	19	4	6	2	2	1	3	9	0								
WICK	37	3	1007.4	-	1.2	0.7	6.0	87	5.7	1	5	3	8	10	1	0	0	1	1	0	2	8	3	8	5	0	2	13	13	0	1	4	1	9	5	4									
	9		1007.6	-3.0	1.4	0.6	6.1	87	6.3	0	3	3	13	9	0	0	0	2	0	1	6	5	6	5	0	2	14	12	0	0	4	3	7	7	1										
	15		1007.3	-	3.2	1.1	6.4	81	6.1	0	4	4	9	11	0	0	0	0	1	1	6	5	9	6	0	0	20	8	0	3	2	0	10	8	0										
1 SCOTLAND E GRAMPIAN	21		1007.7	-	1.5	0.8	6.0	84	5.1	0	9	5	3	9	2	0	0	1	1	0	0	4	5	11	6	0	2	15	11	0	3	1	2	7	8	0									
	DYCE	59	3	1007.5	-	-0.4	0.4	5.7	90	6.0	0	4	5	6	11	2	0	0	0	3	3	4	10	1	6	1	0	1	2	22	3	5	2	1	6	4	0								
		9		1007.8	-4.1	0.0	0.4	5.9	90	6.5	0	2	4	11	10	1	0	0	0	3	1	7	9	4	3	1	0	0	6	19	3	5	1	0	8	3	2								
15			1007.2	-	2.7	0.9	6.4	84	6.1	0	6	2	7	13	0	0	0	1	1	2	3	10	4	7	0	0	0	6	22	0	4	0	4	9	6	0									
FRASERBURGH	21		1007.7	-	0.6	0.5	6.0	88	6.3	1	2	6	6	13	0	0	0	0	2	1	7	8	6	4	0	0	0	7	18	3	5	0	3	6	5	1									
	22	3	1008.9	-	2.5	0.6	6.6	88	5.5	3	2	7	12	2	0	0	0	2	0	0	1	17	8	0	0	0	1	7	20	0	2	1	4	9	4	5									
	9		1009.2	-2.0	2.7	0.6	6.7	89	6.0	1	2	7	5	12	1	0	1	1	0	0	0	1	12	13	0	0	1	9	18	0	2	2	1	11	5	1									
KINLOSS	15		1008.8	-	3.7	0.7	7.1	89	6.4	0	2	8	4	13	1	0	0	0	1	1	0	0	16	10	0	0	0	12	16	0	1	2	1	15	6	1									
	21		1009.3	-	2.8	0.6	6.8	89	5.7	2	1	9	3	13	0	0	1	0	0	0	0	0	1	10	6	0	1	12	15	0	2	2	2	11	8	0									
	6	3	1007.0	-	-0.7	0.6	5.3	86	5.1	3	5	3	9	8	0	0	0	0	0	0	2	4	6	15	1	0	0	3	20	5	2	1	3	3	5	7	2								
LOSSIEMOUTH	15		1007.3	-4.1	-0.3	0.6	5.4	86	6.0	0	2	6	16	4	0	0	0	0	0	0	3	4	6	8	7	0	0	3	20	5	1	0	1	8	5	7									
	21		1006.7	-	3.3	1.2	6.3	80	6.0	0	5	2	18	3	0	0	0	0	0	1	2	2	4	10	9	0	0	6	21	1	1	1	10	5	3	6									
	6	3	1007.2	-	0.8	0.7	5.7	85	5.1	1	8	2	10	6	1	0	0	0	0	2	2	3	5	12	4	0	0	6	19	3	1	0	5	3	7	6									
TAYSIDE	15		1007.5	-	-0.7	0.5	5.4	88	4.7	3	6	4	5	5	0	0	1	0	0	2	6	3	15	1	0	0	4	20	4	2	0	3	7	4	8	0									
	9		1007.5	-	-0.3	0.6	5.5	87	6.0	0	3	5	11	8	1	0	0	1	2	2	1	5	10	7	0	0	6	20	2	1	0	1	12	5	2	0									
	15		1006.9	-	3.2	1.2	6.3	80	6.3	0	3	2	14	8	1	0	0	0	1	0	1	5	3	8	10	0	0	7	20	1	3	0	6	7	5	2									
FIFE	21		1007.4	-	0.8	0.7	5.8	86	5.3	0	8	3	7	9	1	0	0	0	0	2	2	5	4	13	2	0	1	7	19	1	2	1	9	6	2	7									
	USAN	35	9	1008.1	-	1.5	0.6	6.2	87	6.3	0	4	1	10	11	2	1	0	0	1	0	1	1	8	6	10	0	3	9	11	5	3	2	2	4	2	2								
		15		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
21			1008.0	-	1.8	0.5	6.5	89	5.5	0	6	5	7	9	1	1	0	0	0	1	0	3	6	5	12	0	3	9	11	5	4	0	4	3	5										
LEUCHARS	12	3	1007.1	-	-0.5	0.5	5.5	87	5.3	3	5	2	8	7	3	0	0	2	3	0	1	8	5	9	0	0	0	5	17	6	3	1	1	5	2										



[illegible]



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

FEBRUARY 1978

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)	WET BULB PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS						0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE															
									0	1-2	3-5	6-7	8	SKY OBSERVED											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 -CONTO. ESSEX																																								
SHOEBURYNNESS	5	9	1007.2	- 8.2	2.8	0.6	6.8	88	7.0	0	1	1	14	12	0	0	0	0	0	1	4	3	7	11	2	0	0	0	1	12	15	0	0	4	3	5	3	4	3	
		15	1006.5	-	4.2	1.0	7.1	83	7.0	0	1	0	15	12	0	0	0	0	0	0	0	1	10	9	0	0	0	0	0	2	15	12	0	1	3	5	2	7	1	3
		21	1006.8	-	3.3	0.8	6.9	86	5.8	1	5	2	7	13	0	0	0	0	0	0	1	0	2	4	12	8	1	0	0	2	14	12	0	4	1	4	7	3	2	4
STANSTED	102	3	1006.6	-	1.8	0.5	6.5	90	6.5	2	2	2	4	18	0	0	0	1	1	2	6	11	5	0	0	0	0	0	0	11	17	0	1	4	4	3	2	4	2	8
		9	1007.2	- 8.1	1.8	0.5	6.6	91	6.6	0	0	0	1	9	12	2	0	0	0	2	1	5	10	6	0	0	0	0	1	6	20	1	2	4	6	3	4	2	1	6
		15	1006.2	-	4.2	1.3	6.8	79	6.6	0	2	4	11	10	1	0	0	0	1	1	0	9	10	7	0	0	0	0	1	12	15	0	1	2	2	6	3	7	3	1
21	1006.6	-	2.4	0.6	6.7	88	6.7	2	1	1	9	14	1	0	0	0	1	0	0	4	11	10	1	1	0	0	0	0	9	18	1	4	4	5	3	4	2	1	4	
4 MIDLAND COUNTIES WEST YORKSHIRE																																								
HUDDERSFIELD OAKES	235	3	1007.1	-	0.2	0.4	5.9	91	6.4	2	2	2	6	16	0	0	0	1	4	5	0	7	9	2	0	0	0	0	0	3	21	4	3	7	0	6	1	2	2	3
		9	1007.1	-	0.8	0.4	6.2	91	6.4	1	1	4	9	13	0	0	0	0	0	2	5	0	12	6	3	0	0	0	0	3	25	0	5	2	4	5	3	2	5	2
		15	1006.7	-	2.7	0.7	6.7	88	7.0	0	0	0	12	12	1	0	0	1	1	2	2	7	6	9	0	0	0	0	0	6	22	0	3	3	3	5	7	4	2	1
21	1006.9	-	1.4	0.4	6.4	91	6.7	1	2	3	5	17	0	0	0	1	0	1	3	4	3	8	8	0	0	0	0	1	1	22	4	1	3	4	5	6	1	3	1	
WILSDEN	267	3	1007.3	-	0.2	0.2	6.1	94	6.3	2	2	3	17	1	0	0	1	0	1	4	15	5	2	0	0	0	0	0	6	18	4	2	3	3	4	2	3	4	3	
		9	1007.3	-	0.1	0.2	6.0	94	6.6	0	2	6	5	11	4	0	2	2	4	2	7	8	1	0	0	0	0	6	19	3	2	4	3	6	2	1	5	2		
		15	1006.6	-	1.9	0.5	6.5	90	6.6	0	2	4	8	12	2	0	1	1	2	0	2	8	10	4	0	0	0	0	10	16	2	3	6	5	4	1	3	1		
21	1007.0	-	0.7	0.3	6.2	93	6.4	0	1	6	6	13	2	0	2	0	0	1	4	12	9	0	0	0	0	0	0	4	21	3	2	4	4	7	2	1	4	1		
SOUTH YORKSHIRE																																								
FINNINGLEY	15	3	1007.2	-	0.7	0.3	6.3	93	6.1	1	2	7	3	13	2	0	1	1	1	6	11	5	0	2	0	0	0	0	4	21	3	2	2	3	5	3	2	2	6	
		9	1007.1	- 7.3	1.2	0.3	6.5	93	6.4	0	3	8	11	3	0	2	0	0	7	5	10	3	0	1	0	0	0	0	3	24	1	5	3	4	6	1	3	2	1	
		15	1006.5	-	3.5	0.9	6.9	85	6.4	0	4	2	10	12	0	0	0	0	1	2	4	8	7	5	1	0	0	0	10	18	0	8	0	7	5	5	0	1	2	
21	1006.7	-	1.7	0.3	6.7	93	6.5	1	2	2	11	12	0	0	0	1	0	3	3	4	10	4	2	1	0	0	0	3	22	3	4	0	4	6	4	0	1	6		
NOTTINGHAMSHIRE																																								
WATNALL	119	3	1007.1	-	1.0	0.3	6.3	92	6.1	2	3	2	8	11	2	0	2	1	0	3	3	12	5	2	0	0	0	0	5	23	0	4	6	4	2	2	4	2	4	
		9	1007.5	- 7.0	1.2	0.3	6.5	93	6.1	1	4	4	7	11	1	0	1	1	2	3	5	14	1	1	0	0	0	1	6	21	0	5	4	1	5	3	3	4	2	
		15	1006.7	-	3.6	0.9	7.0	85	6.7	0	2	3	13	10	0	0	0	0	1	1	7	12	6	0	1	0	0	1	9	18	0	3	5	7	2	3	3	3	2	
21	1007.0	-	1.9	0.4	6.8	92	6.7	1	1	3	6	17	0	0	0	1	1	1	7	15	2	1	0	0	0	0	4	24	0	5	5	3	2	6	4	2	1			
SALOP																																								
SHAMBURY	76	3	1006.6	-	1.1	0.5	6.2	91	5.4	3	2	7	5	11	0	0	2	0	3	2	4	5	7	5	0	0	0	0	1	2	22	3	2	1	8	5	2	1	2	4
		9	1006.8	- 8.0	1.7	0.5	6.6	91	6.4	0	2	6	9	11	0	0	0	0	3	3	5	6	8	3	0	0	0	0	2	24	0	3	1	7	6	2	2	4	3	
		15	1005.9	-	4.6	1.3	7.0	79	6.3	0	2	4	15	7	0	0	0	0	1	0	3	10	8	6	0	0	0	0	1	8	19	0	4	2	6	3	1	2	4	3
21	1006.3	-	2.5	0.6	6.8	89	5.7	1	5	4	3	15	0	0	0	0	2	2	2	10	7	5	0	0	0	0	0	5	23	0	2	2	7	6	3	0	4	4		
WEST MIDLANDS																																								
EDGBASTON	165	9	1006.9	- 8.2	1.3	0.4	6.4	91	6.9	1	1	2	10	13	1	0	2	1	0	3	3	14	4	1	0	0	0	0	4	23	1	2	2	6	2	6	2	0	7	
		15	1005.9	-	3.8	1.2	6.7	80	6.8	1	1	1	14	11	0	0	2	0	0	0	0	18	6	2	0	0	0	0	8	20	0	3	3	5	4	6	1	2	4	
		21	1006.2	-	2.5	0.7	6.6	87	6.1	3	1	5	4	14	1	0	0	0	0	0	0	16	10	1	0	0	0	0	6	22	0	3	3	7	1	7	1	3	3	
ELMDON	100	3	1006.7	-	1.2	0.5	6.3	90	6.0	3	3	1	5	15	1	0	1	0	1	0	10	5	8	3	0	0	0	0	9	18	1	3	4	4	4	2	5	0	5	
		9	1007.0	- 8.0	1.4	0.5	6.4	91	7.2	1	0	2	9	15	1	0	0	2	1	3	6	10	5	1	0	0	0	7	19	2	3	5	4	4	5	2	0	6		
		15	1006.0	-	4.2	1.3	6.8	78	6.5	1	2	3	10	12	0	0	0	0	0	1	0	15	10	2	0	0	0	0	16	12	0	3	4	4	5	2	2	4		
21	1006.4	-	2.3	0.7	6.6	87	5.8	1	6	2	5	13	1	0	0	0	1	0	2	12	10	3	0	0	0	0	7	20	1	1	3	6	2	6	1	4	4			
GLOUCESTER																																								
INNSMORTH	24	3	1006.5	-	1.9	0.6	6.5	89	5.9	4	0	3	10	11	0	0	0	0	0	0	4	11	7	6	0	0	0	0	5	17	4	4	3	2	3	7	3	2	1	
		9	1006.9	-	2.3	0.6	6.7	88	6.4	1	1	4	12	10	0	0	0	0	1	5	12	6	2	1	0	0	0	8	19	3	4	3	4	7	2	2	0	0		
		15	1005.8	-	5.2	1.5	7.0	76	6.6	1	1	1	14	11	0	0	0	0	0	0	0	12	7	7	1	0	0	0	11	17	0	4	5	4	2	7	0	4		
21	1006.3	-	3.1	0.9	6.7	85	5.7	1	6	2	6	13	0	0	0	0	0	1	0	1	14	9	3	0	0	0	1	6	19	2	4	1	6	3	5	5	1	1		
OXFORDSHIRE																																								
BENSON	74	3	1006.8	-	1.7	0.5	6.5	90	6.0	2	4	1	6	14	1	0	0	0	2	1	2	8	10	5	0	0	0	0	10	15	3	3	3	5	3	6	1	2	2	
		9	1007.3	-	1.9	0.6	6.6	89	6.0	0	6	2	7	13	0	0	0	0	1	0	8	7	7	5	0	0	0	13	13	2	4	5	2	4	5	1	3	2		
		15	1006.2	-	4.9	1.4	7.0	77	6.8	1	0	2	16	9	0	0	0	0	0	0	1	0	9	11	6	1	0	0	17	10	1	3	4	4	5	0	3	4		
21	1006.7	-	3.1	0.8	6.9	86	6.6	2	1	2	7	16	0	0	0	0	0	1	1	8	11	6	1	0	0	0	11	14	3	0	5	3	5	6	0	4	2			
BRIZE NORTON	92	3	1006.5	-	1.4	0.6	6.3	89	5.4	4	4	3	13	1	0	0	2	0	0	5	8	6	7	0	0	0	0	1	10	14	3	1	6	5	0	3	3	4	3	
		9	1007.1	-	1.9	0.6	6.5	89	6.0	1	4	3	9	10	1	0	1	0	1	3	9	5	7	0	0	0	0	11	16	0	2	5	4	3	5	3	3	3		
		15	1005.9	-	4.6	1.4	6.8	77	6.4	1	0	7	8	12	0	0	0	0	0	1	1	4	13	8	1	0	0	2	17	9	0	3	3	6	2	7	1	4		



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

FEBRUARY 1978

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)	WET BULB (DEGREES C)	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS					0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE					N	NE	E	SE	S	SW	W	NW		
										NUMBER OF OBSERVATIONS															SPEED (KT)														
										0	1-2	3-5	6-7	8											SKY OBSERVED	0-33	34 OR MORE	6-7	4-5									1-3	CALM
										0	1-2	3-5	6-7	8											SKY OBSERVED	0-33	34 OR MORE	6-7	4-5									1-3	CALM
5 ENGLAND SE & CENT. S. -CONTO.																																							
KENT																																							
DUNGENESS	7	3	1006.2	-	-	-	-	6.4	2	3	1	5	16	1	0	0	0	0	2	8	11	6	0	0	7	12	8	1	3	1	5	4	3	3	5	3			
		9	1006.8	-	2.9	0.6	6.9	88	6.7	0	1	8	12	0	0	0	0	1	14	8	3	0	0	6	13	9	0	4	2	5	2	6	3	1	5	5			
		15	1005.9	-	-	-	-	6.3	0	1	8	12	0	0	0	0	0	1	10	11	14	2	0	0	4	19	4	1	2	4	6	0	0	1	0	5			
		21	1006.4	-	-	-	-	6.2	2	1	5	6	14	0	0	0	0	0	1	9	10	8	0	0	8	11	9	0	3	1	6	3	7	1	6	1			
MANSTON	45	3	1006.8	-	2.8	0.7	6.8	87	6.8	0	1	4	8	15	0	0	0	0	1	3	2	12	6	4	0	2	16	10	0	1	2	4	5	2	4	5	5		
		9	1007.5	-	2.9	0.7	6.9	88	7.0	0	2	0	13	12	1	0	0	0	3	0	7	14	2	2	0	2	17	10	0	1	3	6	3	5	2	4	5	5	
		15	1006.8	-	4.4	1.1	7.1	81	6.7	0	1	3	14	10	0	0	0	0	1	3	14	7	3	0	0	2	17	9	0	1	3	4	3	5	3	2	6	3	
		21	1007.2	-	3.3	0.8	6.8	85	6.5	1	2	4	4	17	0	0	0	0	0	3	16	3	6	0	0	2	20	8	0	2	3	4	6	5	1	4	3		
HAMPSHIRE																																							
SOUTHAMPTON	9	3	1006.3	-	2.8	0.7	6.8	87	5.3	6	3	1	5	13	0	0	0	0	2	3	7	11	5	0	0	5	22	1	2	5	5	1	5	2	3	4	0	3	
WEATHER CENTRE (X)	9	3	1006.9	-	3.0	0.9	6.7	84	5.8	3	3	3	6	12	1	0	0	0	4	17	4	2	0	0	0	4	24	0	3	7	5	1	6	1	5	0	3		
		15	1005.8	-	5.7	1.7	7.0	72	6.4	0	3	2	11	12	0	0	0	0	2	0	10	8	0	0	0	6	22	0	2	6	4	4	1	4	1	5	0		
		21	1006.3	-	4.1	1.1	6.9	81	5.8	3	4	2	5	14	0	0	0	0	3	6	10	8	0	0	1	7	20	0	2	4	5	4	3	2	5	3	3		
WEST SUSSEX																																							
GATWICK	60	3	1006.5	-	1.9	0.6	6.6	89	6.3	3	3	0	3	18	1	0	0	1	4	2	16	3	1	0	0	2	7	18	1	1	2	7	0	2	7	2	6	5	
		9	1007.0	- 8.8	2.1	0.6	6.7	89	6.9	0	2	2	9	15	0	0	0	2	1	4	13	7	1	0	0	0	12	16	0	3	4	3	3	6	3	1	5	0	
		15	1006.0	-	4.9	1.5	7.0	76	6.5	0	4	1	11	12	0	0	0	0	1	9	13	4	0	0	1	16	11	0	0	5	5	1	8	1	3	5	0		
		21	1006.5	-	3.1	0.8	6.8	85	6.7	2	0	3	9	14	0	0	0	0	1	5	11	10	1	0	0	2	7	19	0	5	2	6	3	4	3	5	0		
EAST SUSSEX																																							
HERSTHONCEUX	28	3	1007.3	-	2.1	0.5	6.7	91	6.3	3	1	3	5	16	0	0	0	1	2	3	11	8	2	0	0	1	10	13	4	5	3	0	4	3	3	1	1	1	
		9	1007.9	-	2.3	0.5	6.8	90	6.6	0	2	2	15	9	0	0	0	1	0	1	3	11	8	3	1	0	1	9	17	1	4	5	3	2	6	0	6	1	
		15	1006.9	-	4.6	1.1	7.2	81	6.2	0	2	6	11	9	0	0	0	0	1	6	12	8	0	0	2	13	13	0	5	4	4	4	5	0	5	1	1		
		21	1007.5	-	3.0	0.6	7.0	88	6.6	1	3	0	11	13	0	0	0	0	1	5	11	6	5	0	0	2	11	15	0	3	3	3	3	3	3	3	4	1	
7A ENGLAND NW & I.O.M. -CUMBRIA																																							
CARLISLE																																							
		9	1006.9	- 6.7	1.2	0.6	6.2	88	6.3	0	3	2	15	8	0	0	0	0	0	1	8	11	6	2	0	0	3	24	1	1	4	11	3	3	2	2	1	1	
		15	1006.1	-	4.2	1.2	6.9	81	6.5	0	1	6	13	8	0	0	0	0	1	0	3	16	7	1	0	0	5	23	0	2	4	11	3	3	2	2	1	1	
		21	1006.6	-	2.1	0.7	6.4	87	5.7	0	6	5	6	11	0	0	0	0	0	1	10	11	6	0	0	0	2	26	0	0	5	10	5	2	1	4	1	1	
LANCASHIRE																																							
SQUIRES GATE	11	3	1006.5	-	1.6	0.5	6.4	89	5.5	1	6	3	10	7	1	0	1	1	0	1	9	8	7	0	0	0	11	16	1	2	3	11	5	1	2	0	3	3	
		9	1006.6	- 7.5	2.1	0.6	6.5	88	6.5	1	2	2	9	12	1	0	1	0	2	1	6	8	5	0	0	0	13	15	0	2	5	9	5	3	1	1	2	2	
		15	1005.8	-	4.5	1.2	7.0	80	6.5	0	0	6	16	6	0	0	0	0	1	1	7	10	8	0	0	1	17	10	0	2	1	9	6	2	2	3	3	3	
		21	1006.2	-	2.6	0.6	6.8	87	5.6	4	1	3	10	10	0	0	0	0	1	4	10	9	4	0	0	0	10	18	0	4	5	8	6	2	0	1	2	2	
GREATER MANCHESTER																																							
MANCHESTER	42	3	1006.4	-	2.7	0.9	6.4	83	6.3	0	3	3	12	10	0	0	0	0	1	14	11	1	0	0	0	2	26	0	3	7	3	4	4	3	1	3	3	3	
WEATHER CENTRE (X)	9	3	1006.6	-	2.9	0.9	6.6	84	6.6	0	2	3	9	14	0	0	0	0	1	5	10	10	2	0	0	0	3	24	1	3	4	5	4	6	2	1	2	2	
		15	1005.8	-	5.1	1.9	6.5	71	6.7	0	1	3	15	9	0	0	0	0	0	1	8	16	3	0	0	0	8	20	0	3	4	6	2	7	1	2	3	3	
		21	1006.1	-	3.6	1.1	6.7	82	6.0	1	4	3	7	13	0	0	0	0	0	1	11	15	1	0	0	0	2	25	1	3	5	5	4	5	1	3	1	1	
RINGWAY	84	3	1006.6	-	2.0	0.6	6.5	88	5.7	0	4	6	10	8	0	0	0	0	2	3	11	7	3	2	0	0	8	20	0	2	3	6	2	9	2	0	4	3	
		9	1006.7	- 7.6	2.2	0.6	6.7	89	6.4	0	3	12	9	1	0	0	1	1	7	10	7	0	1	0	0	6	22	0	1	4	2	4	9	3	2	3	2	3	
		15	1005.8	-	4.8	1.5	6.8	76	6.6	0	1	4	16	7	0	0	0	0	1	9	13	3	1	0	1	13	14	0	3	1	8	2	8	1	3	2	3	2	
		21	1006.1	-	3.1	0.8	6.9	86	5.8	1	6	3	2	16	0	0	0	0	1	1	15	7	3	0	0	0	9	19	0	3	3	7	0	10	2	1	2	2	
ISLE OF MAN																																							
POINT OF AYRE	9	3	1006.2	-	3.4	0.5	7.2	90	5.8	0	3	9	3	13	0	0	0	2	1	1	5	6	12	0	0	6	14	5	3	2	2	5	8	1	2	3	2	1	
		9	1006.2	- 7.0	3.5	0.7	7.0	87	5.9	0	0	10	6	11	1	0	0	2	3	0	1	5	8	9	1	5	16	5	1	3	4	4	9	3	0	3	1	1	
		15	1005.5	-	4.7	1.1	7.1	82	6.3	0	2	4	11	11	0	0	0	0	3	2	1	8	6	8	0	6	16	5	1	5	4	10	1	2	3	1	1	1	
		21	1005.8	-	3.8	0.8	7.0	85	5.3	2	5	6	3	12	0	0	0	0	2	1	2	6	5	12	0	5	16	5	2	1	8	7	3	2	0	3	1	1	
RONALDSWAY	21	3	1005.9	-	3.2	0.7	6.9	87	6.3	0	4	4	8	12	0	0	0	0	1	1	2	6	4	12	2	0	4	10	13	1	4	3	9	5	0	3	2	1	1
		9	1006.0	- 7.6	3.3	0.8	6.9	86	6.5	0	1	5	13	9	0	0	0	0	1	3	7	4	9	3	0	4	12	11	1	3	2	8	5	4	0	2	3	1	
		15	1005.1	-	4.5	1.1	7.0	81	6.1	0	4	5	8	11	0	0	0	0	1	3	5	8	7	3	0	4	16	8	0	3	4	8	4	3	2	3	1	1	
		21	1005.6	-	3.5	0.8	6.9	86	6.2	0	1	8	9	10	0	0	0	0	1	1	10	5	6	5	0	5	14	9	0	2	4	9	5	2	0	3	3	3	
7B WALES N -GWYNEDD																																							
BAROSEY ISLAND	19	3	1005.2	-	4.5	0.7	7.6																																



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

FEBRUARY 1978

[illegible]



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

FEBRUARY 1978

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)	3	20	5	0	0	0	0	0	0	0	4	6	18	0	0	0	CAMBRIDGE BOTANIC GARDENS	0	15	7	6	0	0	0	0	0	0	4	11	8	5	0	0
LERWICK (SCREEN)	3	20	5	0	0	0	0	0	0	0	4	8	16	0	0	0	EDOBASTON	4	11	10	3	0	0	0	0	0	0	1	12	11	4	0	0
STORNOWAY	0	14	14	0	0	0	0	0	0	0	2	12	11	3	0	0	KEN (PSYCHROMETER)	0	13	8	7	0	0	0	0	0	0	3	7	11	7	0	0
CRAIBSTONE	5	16	6	1	0	0	0	0	0	3	7	8	10	0	0	0	KEN (NORTH-WALL SCREEN)	1	12	9	6	0	0	0	0	0	0	1	8	11	8	0	0
ROTHESAY	0	15	12	1	0	0	0	0	0	0	0	14	11	3	0	0	HASTINGS	2	11	15	0	0	0	0	0	0	0	2	10	10	6	0	0
ABBOTSINCH	0	18	9	1	0	0	0	0	0	1	9	9	8	1	0	0	SOUTHAMPTON	0	13	7	8	0	0	0	0	0	0	2	10	9	7	0	0
ESKDALEMUIR (PSYCHROMETER)	8	13	7	0	0	0	0	0	0	1	10	7	10	0	0	0	STONYHURST	0	12	13	3	0	0	0	0	0	0	0	1	8	9	0	0
ESKDALEMUIR (SCREEN)	7	14	7	0	0	0	0	0	0	0	9	9	9	1	0	0	VALLEY	0	12	13	3	0	0	0	0	0	0	0	1	8	9	0	0
DOUGLAS	0	13	15	0	0	0	0	0	0	0	0	9	16	3	0	0	RHOOSE	1	12	15	0	0	0	0	0	0	0	3	11	7	7	0	0
BOULMER	0	21	5	2	0	0	0	0	0	0	3	13	12	0	0	0	FALMOUTH	0	9	11	8	0	0	0	0	0	0	1	10	4	13	0	0
HULL	0	20	3	5	0	0	0	0	0	0	2	15	8	3	0	0	ALDERGROVE	0	14	11	3	0	0	0	0	0	0	3	9	12	4	0	0
GORLESTON	1	16	9	2	0	0	0	0	0	0	2	12	12	2	0	0	ARNAGH	0	13	13	2	0	0	0	0	0	0	5	7	11	5	0	0

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

FEBRUARY 1978

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES		DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										HIGHEST VALUES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		ABOVE MSL	ABOVE GROUND EFFECTIVE	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
				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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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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													
		ABOVE MSL	ABOVE GROUND EFFECTIVE	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													
				DATES OF OCCURRENCE				NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS		MEAN HOURLY WIND SPEED (KT)		YEAR		DAY	HOUR BEGINNING	YEAR FROM N	SPEED-KT								
3 EAST ANGLIA - CONTINUED																											
CAMBRIDGESHIRE	MARHAM	29	10 10					0	1	3	230	358	81	0	8.8	180	22	26	07	160	37	21	0436				
	WITTERING	87	10 10					0	1	1	260	378	33	0	9.5	210	22	23	21	080	33	15	1136				
	WYTON	45	10 10					0	1	1	216	404	51	0	8.9	080	22	19	10	170	32	26	0442				
SUFFOLK	HONINGTON	60	13 13					0	2	6	242	358	66	0	9.5	170	23	26	07	160	33	26	0612				
	WATTISHAM	105	17 10					0	2	7	399	245	21	0	11.3	170	26	26	06	170	41	26	0600				
BEDFORDSHIRE	BEDFORD	94	13 9					0	0	0	217	420	35	0	9.2	080	21	19	10	090	33	19	1424				
	CARDINGTON	70	41 41					0	7	32	311	295	34	0	11.4	080	27	19	11	080	41	19	1136				
HERTFORDSHIRE	GARSTON	94	15 10					0	0	0	67	494	111	0	6.5	200	17	23	19	270	41	1	1536				
ESSEX	SHOEBURYNESSE	17	14 12					0	3	33	300	305	32	2	11.1	080	28	19	10	080	41	19	0554				
	STANSTED	108	10 10					0	1	13	235	387	37	0	9.6	100	25	19	09	100	43	19	0948				
4 MIDLAND COUNTIES																											
WEST YORKSHIRE	WILSDEN	272	10 10					0	0	0	167	420	85	0	8.0	100	18	19	13	220	34	24	0000				
SOUTH YORKSHIRE	FINNINGLEY	19	10 10					0	0	0	122	428	122	0	7.0	200	17	24	13	200	28	24	1318				
	HIGH BRADFELD	405	10 10	24				2	9	56	357	236	21	0	12.5	220	35	24	12	220	48	24	1130				
	SHEFFIELD UNIVERSITY	146	29 15					0	0	0	93	355	226	0	6.0	090	19	19	11	200	38	24	1354				
NOTTINGHAMSHIRE	WATNALL	133	16 10					0	1	4	139	487	42	0	8.2	070	22	19	11	070	37	19	1142				
STAFFORDSHIRE	CELLARHEAD	241	13 8					0	0	0	134	400	126	12	7.3	080	21	19	14	080	38	19	1036				
	KEELE	215	15 10					0	1	4	106	403	159	0	6.9	080	23	19	10	090	48	19	0936				
SALOP	SHAWBURY	84	12 10					0	2	10	125	426	111	0	8.0	300	26	1	22	300	43	1	2242				
WEST MIDLANDS	BIRMINGHAM																										
	EDGBASTON	196	36 22					0	2	3	109	470	90	0	7.7	320	25	1	23	080	43	19	1736				
	ELMDON AIRPORT	104	10 10					0	2	7	192	387	86	0	8.6	300	26	1	23	300	43	1	2312				
OXFORDSHIRE	BENSON	67	10 10					0	1	4	293	239	136	0	9.3	070	22	19	12	250	39	1	1812				
	BRIZE NORTON	91	13 10					0	7	49	264	300	59	0	10.7	080	28	19	12	280	47	1	2118				
	OXFORD	113	50 22					0	6	35	298	282	25	32	11.4	280	26	2	00	260	48	2	0054				
5 ENGLAND SE & CENTRAL S																											
GREATER LONDON	HEATHROW AIRPORT	34	10 10					0	5	27	239	342	64	0	10.1	070	27	19	13	170	45	26	0230				
	KEW	28	23 15					0	1	17	224	320	111	0	9.0	080	24	19	08	080	45	19	1348				
	LONDON WEATHER CENTRE	93	70 38					0	3	17	323	304	28	0	11.2	160	25	26	05	150	55	26	0324				
	POST OFFICE TOWER		174	19	23	26		18	17	165	411	70	0	8.18	020	38	26	03	240	51	23	1900					
WILTSHIRE	BOSCOMBE DOWN	130	17 17					0	6	53	328	235	56	0	11.8	280	33	1	20	280	50	1	2048				
	LARKHILL	145	13 10					0	4	34	211	363	64	0	9.8	080	28	19	02	260	51	1	1912				
	LYNEHAM	160	14 13					0	4	34	304	300	34	0	11.0	250	28	1	18	250	45	1	1842				
KENT	PORTON	120	10 10					0	6	47	320	218	87	0	11.1	270	30	1	19	270	48	1	1812				
	DOVER	27	21 18	18	19	26		12	17	149	301	160	43	7	15.5	070	38	19	04	070	48	19	0600				
	DUNGENESS	16	10 10					0	14	130	348	173	21	0	15.1	080	33	19	05	080	47	19	0530				
	EAST MALLING	33	12 10					0	0	0	107	377	188	0	6.6	310	19	2	07	200	38	26	0606				
	ISLE OF GRAIN	15	12 10					0	4	22	264	342	44	0	10.5	190	28	26	05	190	41	26	0518				
HAMPSHIRE	MANSTON	62	18 18					0	9	60	414	182	16	0	13.5	080	30	19	06	190	43	26	0600				
	CALSHOT	15	13 10	1	2			2	8	93	349	197	29	2	13.8	350	34	1	22	340	53	1	2142				
	FARNBOROUGH	75	10 10					0	1	2	190	347	133	0	8.1	220	23	23	19	220	43	23	1924				
	MIDDLE WALLOP	94	10 10					0	6	51	303	236	82	0	11.0	270	32	1	19	270	51	1	1842				
WEST SUSSEX	GATWICK AIRPORT	69	10 10					0	6	31	244	296	101	0	9.8	070	26	19	14	210	43	23	1848				
7A ENGLAND NW & I O M																											
CUMBRIA	CARLISLE	41	13 9					0	0	0	97	427	148	0	6.5	220	18	24	14	220	36	24	1406				
	GREAT DUN FELL	857	10 10																								
	MOOR HOUSE	595	13 12																								
	SELLAFIELD	25	12 11					0	0	0	180	363	129	0	7.7	120	20	22	21	130	32	23	0206				
LANCASHIRE	FLEETWOOD	34	15 9					0	1	1	115	369	187	0	6.4	320	23	2	11	100	36	19	1100				
	SQUIRES GATE AIRPORT	22	12 11					0	2	8	291	331	42	0	10.3	100	28	19	14	110	40	19	1354				
MERSEYSIDE	RIGBURN	38	23 11					0	2	7	188	338	126	13	8.5	070	24	19	15	070	39	19	1506				
GREATER MANCHESTER	MANCHESTER																										
	RINGWAY AIRPORT	80	10 10					0	1	4	213	344	111	0	8.7	090	23	19	16	090	37	19	1054				
	WEATHER CENTRE	82	45 17					0	0	0	103	453	116	0	7.1	080	21	19	18	080	44	19	1748				
ISLE OF MAN	POINT OF AYRE	20	10 10	20				2	11	119	413	106	32	0	15.0	120	35	20	10	120	49	20	1030				
	RONALDSWAY	25	10 10	18-20				9	9	91	297	222	53	0	13.5	100	36	19	22	090	48	19	0630				
7B WALES N																											



(x) Urban rooftop site.



# MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

MET.0.921

UDC 551 506 1 (41-4)

**MARCH**

VOLUME 95

1 DEC 1978  
1978  
NUMBER 3

## Changeable: mild first two weeks, windy second half of month.

Fronts and depressions associated with a low-pressure area over the Atlantic affected the British Isles at the beginning of the month, but an anticyclone which developed to the west of Ireland on the 3rd drifted east, then south-east, across Britain between the 4th and the 7th. Alternating fronts and ridges then moved eastwards across all areas. A deep depression crossed Scotland between the 14th and the 16th, while frontal troughs affected parts of England and Wales, but the low-pressure area over the British Isles was displaced by a ridge of high pressure from the west on the 17th. The ridge was short-lived, however, as vigorous Atlantic depressions maintained a succession of fronts, which crossed all areas between the 19th and the end of the month.

### Weather

The first half of March was mostly mild. There were outbreaks of rain, but also sunny periods, and scattered snow and sleet showers were confined to northern areas. Fog became widespread in England and Wales on the night of the 3rd/4th and affected the coasts and hills of western and northern Britain at times between the 7th and the 10th. Many areas had very mild weather during the second week, but it became colder around mid-month and snow or sleet fell in most districts on the night of the 15th/16th. The second half of the month was windy, with further outbreaks of rain, wintry showers and occasional thunderstorms. There were also sunny intervals and it became milder during the last few days.

### Wind

Wind speeds were very variable during the first half of the month; they were light at times, but occasionally reached gale force on exposed northern and western coasts. Directions also were rather variable during the first week, but were mostly south to south-west in the second. The latter half of the month was generally windier, and gales became more frequent, particularly in the west and north. The gales were severe in places and most stations recorded their maximum gusts for the month during the last two weeks. Gusts of at least 60 kt were reported on several days and the high-level station at Snaefell (Isle of Man) had a gust of 98 kt on the 15th. Directions were mostly west to north-west from around mid-month until the 26th, and then became mainly south-west.

### Temperature

Monthly mean temperatures were generally near to or above average. Values were mostly between 1.0 and 1.5 °C above the normal over the central and north Midlands, in eastern England from north Kent and the lower Thames Valley to the Tyne, and in places in eastern Scotland, and were between around 0 and 1.0 °C above average in most remaining districts. The first half of the month was mainly mild, although the night of the 4th/5th was very cold in some areas, temperatures falling to around -7 °C at a few places in southern Scotland and North Wales and to -7 °C at Moor House in the northern Pennines. Many parts became very mild during the second week, particularly on the 10th,

when the temperature reached 18.3 °C at Hope (Powys) near the Welsh border: maxima also exceeded 18 °C at one or two places in central England. Colder weather reached most areas by the 16th, but it became milder towards the end of the month.

### Rainfall (including melted snow)

Rainfall was below average along the coastal strip of Cardigan Bay, in parts of North Wales and north-east England, in extreme south-east England and over much of the central Midlands. Monthly totals were above average in all other areas, exceeding 200 per cent of the normal in Jersey, on Bodmin Moor in Cornwall, in parts of north-west England, Northern Ireland and the Central Highlands of Scotland, and over a large part of western Scotland. A number of places in Scotland had their wettest March on record, although daily totals were not exceptional there. Rain or showers fell in many areas during the first few days, but the weather then became dry over most of England and Wales, while Scotland and Northern Ireland had rain at times. Rain reached all districts on the 8th and the second week was generally unsettled. Further outbreaks of rain or showers occurred during the latter half of the month; some of the showers were wintry and there were thunderstorms in places.

### Snow

Scattered showers of snow or sleet fell in parts of Scotland during the first week, but snowfall became more widespread around mid-month. A belt of snow spread across South Wales and central and southern England on the 15th/16th and several road accidents occurred, one in the Midlands resulting in loss of life. Roads in northern areas were also affected by snow for a time. Snow and sleet showers continued to occur during the second half of the month, mostly in northern districts, but occasionally in the south. Wintry showers became less frequent

during the last few days. The snow did not lie for long on low ground, but the upper slopes of the Scottish mountains were snow-covered throughout the month. Deep drifts were observed at the high-level station at Snaefell (Isle of Man) on the 21st and during the next few days.

### Sunshine

Sunshine totals were above average in south-eastern parts of Northern Ireland, in Shetland and Orkney, along eastern coasts of Great Britain from the north of Scotland to East Anglia, over central England, and in parts of southern England and North Wales. Monthly totals exceeded 125 per cent of the normal in parts of the Midlands and north-east England. Sunshine was mostly below average elsewhere, with totals generally near the normal, although not much more than half the average was recorded at the western end of the Great Glen in Scotland. Sunny periods occurred in most areas from time to time throughout the month and sunshine was prolonged in the west and north on the 4th, in England and Wales over the next few days, and in some districts during the last week.

### Fog

Patches of overnight fog in inland areas mostly occurred during the first half of the month and generally cleared quickly, but fog developed widely over England and Wales on the night of the 3rd/4th. The fog became dense in eastern areas and was slow to clear in places. Fog formed extensively at times on coasts and hills in the west and north between the 7th and the 10th and also affected the English Channel area. Patches of fog occasionally formed over hills during the second half of the month and coastal fog continued to develop from time to time in the south-west.

### Miscellaneous Phenomena

Nil

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						
0 Scotland N	13.2	−3.4	0.0	+0.2	+0.2	−0.2	+7	185	97
1 Scotland E	14.5	−7.0	+0.8	+1.0	+0.9	+0.7	+6	155	107
2 England E & NE	16.7	−5.0	+1.4	+1.1	+1.2	+1.0	+7	115	113
3 East Anglia	18.1	−2.7	+1.5	+1.1	+1.3	+0.9	+7	141	105
4 Midland Counties	18.1	−4.8	+1.2	+1.1	+1.2	+0.8	+6	120	120
5 England SE & Central S	17.5	−3.0	+0.9	+1.0	+0.9	+0.8	+6	124	95
6 Scotland W	13.4	−7.0	0.0	+1.0	+0.5	+0.5	+9	210	79
7 England NW & Wales N	15.2	−4.0	+0.2	+1.3	+0.8	+0.2	+6	158	99
8 England SW & Wales S	16.5	−2.7	+0.4	+0.8	+0.6	+0.6	+9	160	92
N Ireland	13.6	−3.4	−0.2	+0.4	+0.1	+0.3	+8	163	98
Scotland	14.5	−7.0	+0.3	+0.7	+0.5	+0.3	+7	183	94
England & Wales	18.1	−5.0	+0.9	+1.1	+1.0	+0.7	+7	136	104

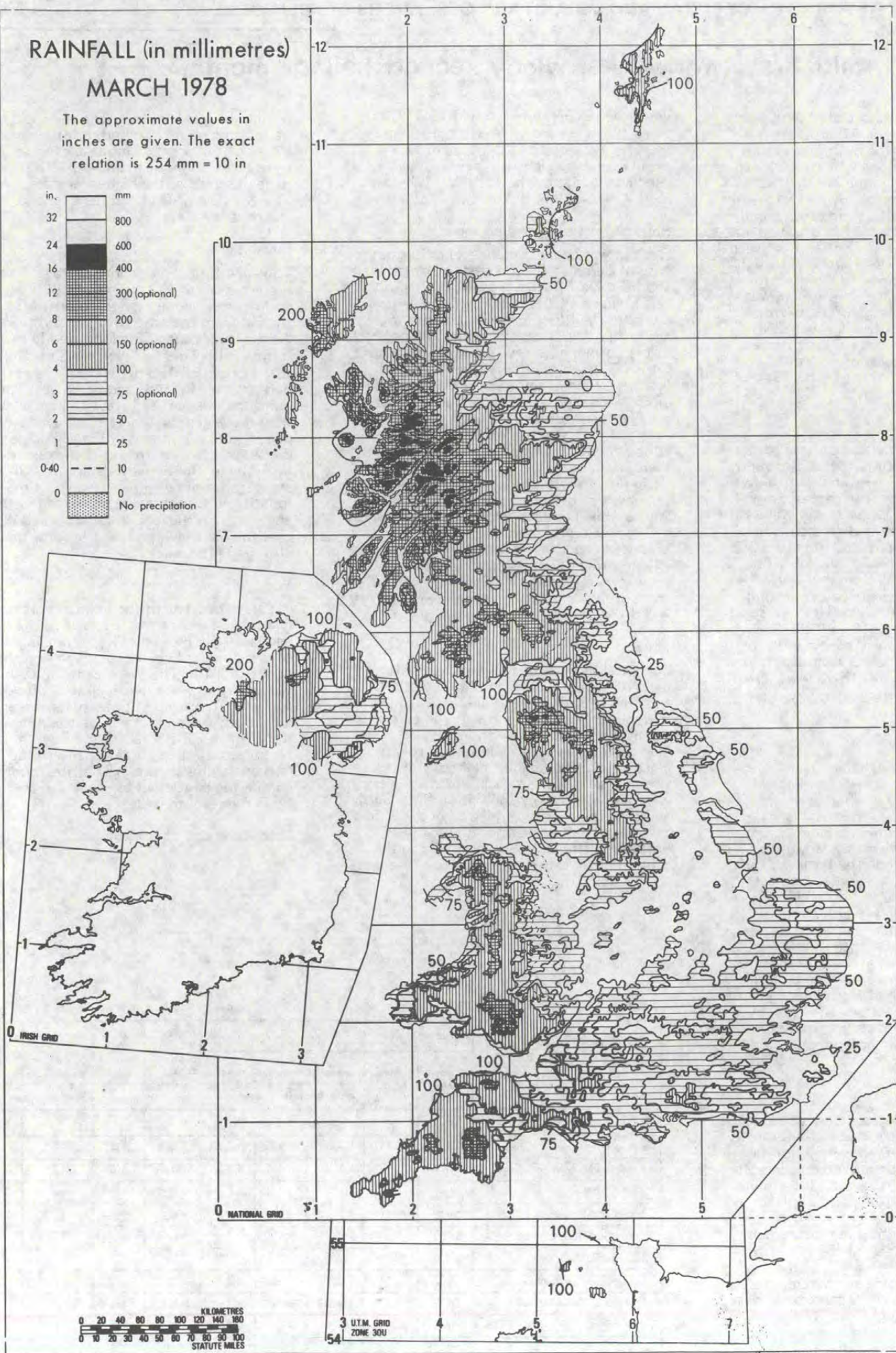
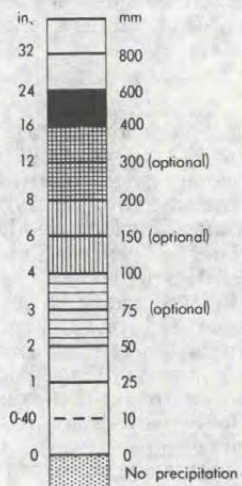
\*Highest maximum and lowest minimum of District Value Stations.



# RAINFALL (in millimetres)

## MARCH 1978

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





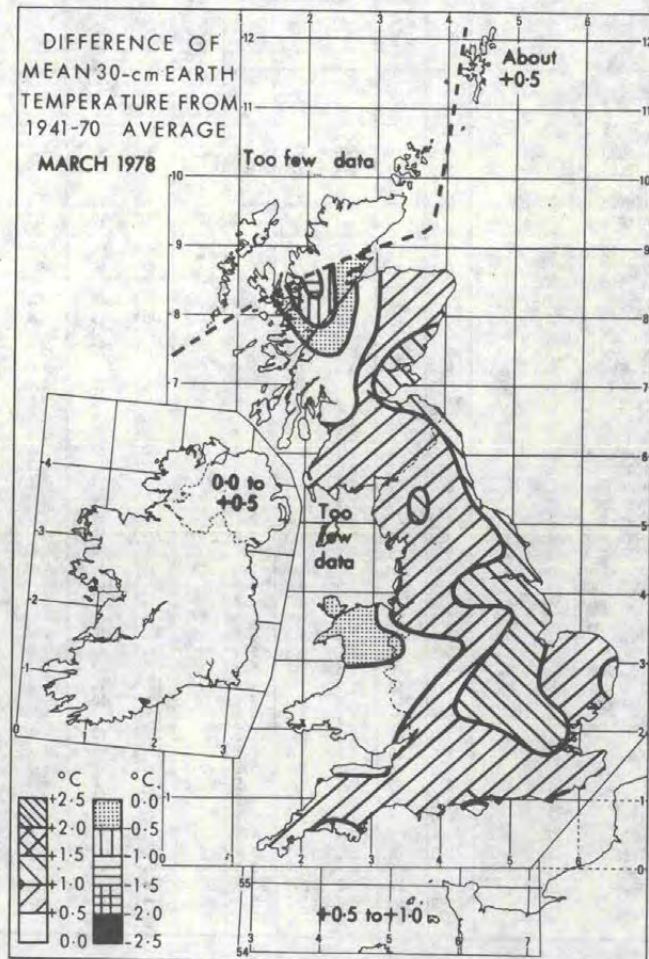
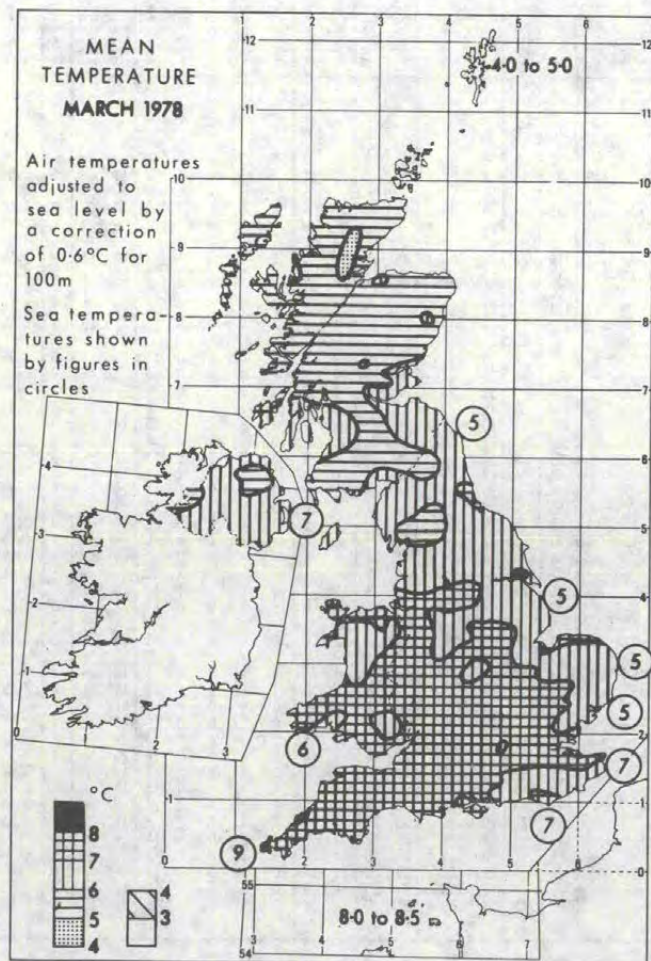
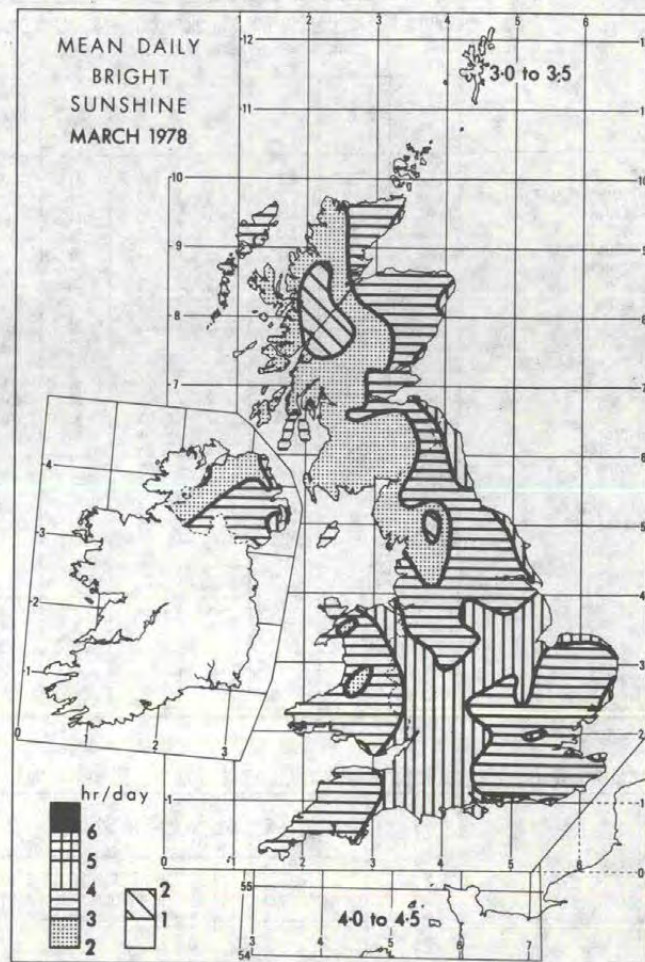
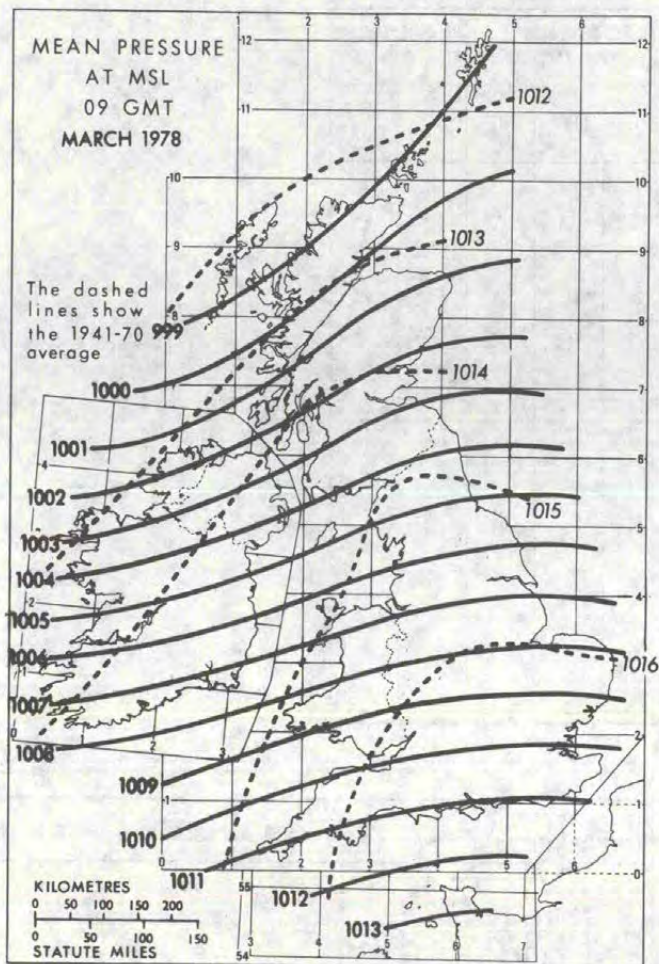




TABLE 2 SOLAR RADIATION

MARCH 1978

STATION	DAILY GLOBAL IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)						DAILY DIFFUSE IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	14.1	23	0.4	1	6.9	31	6.5	31	0.4	1	3.7	31
ABERDEEN UNIVERSITY	14.6	29	1.4	1	7.7	31						
FSKDALEMUIR	16.1	21	1.0	1	6.0	31	6.3	18	1.0	1	3.7	31
MOOR HOUSE	14.8	24	1.0	2	6.5	31						
SUTTON BONINGTON	16.4	30	2.2	1	8.4	31						
GRAHAM WATER												
ABERFORTH	15.7	30	2.3	19	9.1	29	7.4	24	2.3	19	5.1	29
CARDINGTON												
SILSOE	17.3	30	3.5	2	8.6	31	8.0	16	2.5	6	5.2	31
ROTHAMSTED												
GARSTON												
WALLINGFORD	14.6	30	2.4	28	7.6	31						
LONDON WEATHER CENTRE	16.1	30	2.4	2	7.8	31	6.5	29	2.4	2	4.8	31
KEM	16.3	30	2.5	2	7.8	31	6.8	30	2.5	2	5.0	31
EASTHAMPTON	17.6	30	2.8	2	7.9	30	7.1	24	2.6	6	4.8	30
EAST MALLING	13.3	6	2.4	8	7.7	31						
RUSTINGTON	17.4	30	1.4	2	9.8	31						
WAREHAM	18.3	30	2.3	2	9.6	31						
JERSEY AIRPORT	19.1	21	2.5	27	9.6	31	7.3	14	2.4	20	5.0	31
ALDERGROVE	14.2	30	1.8	7	7.8	31	6.7	17	1.8	7	4.7	31

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MARCH 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT 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	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		
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																							
0 SCOTLAND N																																	
SHEPHERD	9 9	24	6.9	1.4	4.1	-0.1	9.5	9.31	-2.3	6	4.2	-	112	124	16	19	25	18	6	0	0	0	0	0	10	-	-	4	2.78	108	-	-	
BALASOUND	9 9	57	6.4	3.5	4.9	-	8.4	10	-0.6	17	4.7	4.9	78	-	12	19	22	18	7	1	3	3	0	1	11	-		9	4.04	-	-		
FAIR ISLE	21-9	82																															
LERWICK			6.4	2.6	4.5	-	9.2	10	-2.8	17	-	-	89	-	15	19	22	16	9	0	0	6	1	2	5	12	11	2	3.50	125	-	-	
PSYCHROMETER			6.3	2.2	4.3	+0.5	8.9	10	-2.9	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SCREEN																																	
ORKNEY																																	
KIRKALL AIRPORT	21-9	26	7.8	2.4	5.1	+0.4	10.0	10.30	-1.0	5	-	-	110	148	15	7	26	18	11	0	2	6	0	1	3	12	12	2	3.60	113	-	-	
WEYLAND	9 9	24	7.6	2.9	5.3	-	9.7	9	-0.4	26	4.7	-	112	-	15	24	20	18	7	0	0	0	0	2	2	15	-		4	-	-	-	
WESTERN ISLES																																	
BENBECULA	21-9	6	8.1	3.9	6.0	+0.1	10.3	31	0.0	17	-	-	173	-	21	7	28	25	3	0	1	7	0	0	0	10	7	3	3.14	86	-	-	
STORNOWAY	21-9	15	7.8	3.1	5.5	-0.1	10.4	10	-1.4	5	-	-	142	-	15	19	29	27	7	0	3	7	0	0	3	11	10	1	3.00	86	-	-	
HIGHLAND																																	
ACHARY	9 9	107	8.2	0.4	4.3	-	11.9	10	-3.2	23	3.5	-	83	-	9	15	28	20	4	1	1	0	0	0	13	23	-		0	2.95	-	-	
ACHNASHELLACH	9 9	67	8.3	1.7	5.0	0.0	13.2	10	-1.7	5	-	-	269	168	36	28	30	25	10	2	2	0	0	0	7	-	-	0	-	-	-	-	
BALMACARRA	9 9	4	8.5	3.3	5.9	-	11.7	10	-0.8	5	-	-	256	239	30	28	28	25	3	0	0	1	0	0	1	-	-	0	-	-	-	-	
CAPE WRATH	21-9	112	6.8	3.2	5.0	-0.1	11.5	10	0.0	16.17	-	-	118	151	19	7	27	23	5	0	2	11	0	0	0	1	6	5	2.73	-	-	-	
CASSLEY	9 9	99	7.8	1.2	4.5	-	11.0	9	-3.0	1	-	-	185	-	20	7	29	22	-	-	-	-	-	-	5	24	-		-	-	-	-	
CORPACH	9 9	8	8.3	2.3	5.3	-	13.5	10	-1.8	5	-	-	283	-	26	29	24	22	2	0	0	1	0	0	2	15	-		0	-	-	-	
CRAIGARROCH	9 9	38	9.2	0.3	4.7	-	15.2	10	-3.6	5	-	-	93	-	14	14	26	20	7	2	0	0	0	0	17	22	-		0	-	-	-	
DALCROSS	9 9	11	8.7	2.3	5.5	-	13.4	10	-0.7	31	-	-	63	-	19	15	22	14	-	0	-	-	-	-	2	13	-		0	-	-	-	
DALWHINNIE	9 9	351	5.8	0.2	3.0	-	10.4	10	-6.0	5	-	-	208	-	26	29	26	26	15	7	0	0	0	1	13	20	-		0	1.79	-	\$	
DIABRIG	9 9	60	8.6	3.3	5.9	-	12.5	10	0.1	21	-	-	156	-	19	28	29	24	9	0	0	5	1	0	0	6	16	-		0	3.23	-	-
DOUNREAY	9 9	21	8.6	1.8	5.2	-	11.5	28	-1.7	23	-	-	83	134	20	15	24	21	4	0	0	1	0	0	6	16	-		0	1.79	62	-	-
FORT AUGUSTUS	9 9	21	8.2	1.8	5.0	-0.1	12.9	10	-3.0	5	-	-	167	-	17	19	24	21	8	2	2	1	1	0	6	-	-		0	3.15	94	-	-
FORTROSE	9 9	5	7.8	3.1	5.5	+0.2	10.5	10	0.0	17	-	-	57	155	15	14	21	12	-	0	-	-	-	-	-	-	-		-	2.44	-	-	
GEISGEIL	9 9	12	8.7	3.1	5.9	-	11.3	31	0.0	17.21.24	-	-	124	-	14	28	26	23	-	-	-	-	-	-	-	-	-		-	3.19	-	\$	
GLENMORE LODGE	9 9	341	7.2	-0.2	3.5	-	11.3	10.11	-5.0	5	-	-	125	183	22	15	26	16	14	7	0	2	0	1	16	24	21	0	3.52	-	-	-	
OLENMORE LODGE	9 9	229	7.4	0.2	3.8	-	11.8	10	-4.4	31	-	-	60	-	17	15	21	14	10	8	0	0	0	0	17	26	-		0	-	-	-	
GRANTOWN-ON-SPEY	9 9	109																															
HEARST	9 9	4	8.7	3.0	5.9	-	11.8	10	-0.7	6	-	-	67	182	17	14	18	13	2	0	0	1	0	0	1	13	-		0	3.33	-	-	
INVERNESS	9 9	14	8.6	2.9	5.7	-	11.6	31	-1.0	17	5.0	-	127	-	15	24	27	24	-	-	-	-	-	-	2	-	-		-	-	-	-	
INVERPOLLY	9 9	5	8.6	2.7	5.7	-	12.0	10	-2.3	18	5.6	5.8	414	259	51	7	26	25	3	1	0	2	0	0	3	18	-		1	-	-	-	
ISLE OF RHUM	9 9	30	8.2	1.7	4.9	-	10.8	10	-2.5	21	4.5	4.5	74	-	12	15	24	17	4	0	3	2	0	1	9	19	-		4	3.93	-	-	
KEISS	9 9	30	8.2	1.7	4.9	-	10.8	10	-2.5	21	-	-	175	117	24	7	28	26	14	6	0	6	0	2	7	21	-		0	-	-	-	
KNOCKANROCK	9 9	244	6.6	1.3	3.9	-	10.4	10	-1.7	21	-	-	110	-	15	27	26	22	9	7	0	0	0	0	14	22	-		1	-	-	-	
LAGGANLUA	9 9	250	7.2	0.5	3.9	-	12.0	10	-4.4	5	-	-	91	-	11	15	29	22	12	1	3	0	0	1	13	21	-		0	-	-	-	
LAIRG	9 9	107	8.4	0.2	4.3	-	11.9	10	-4.4	23	3.4	3.8	110	-	15	15	29	22	12	1	3	0	0	1	13	21	-		0	-	-	-	
LENTAN	9 9	146	7.8	1.4	4.6	-	13.5	10	-1.6	31	-	-	93	-	19	14	22	14	8	4	0	3	0	0	8	25	-		2	-	-	-	
NAIRN	9 9	6	9.2	1.7	5.5	+0.3	14.4	10	-1.9	31	-	-	162	26	15	21	8	7	0	0	3	0	0	7	17	-		0	3.92	109	-	-	
ONICH	9 9	15	8.5	2.4	5.5	0.0	11.5	8	-2.5	5	-	-	277	195	24	7	24	24	-	0	-	-	-	-	3	16	-		1	1.68	56	\$	
POOLEWE	9 9	6	8.5	3.3	5.9	-	13.4	10	0.6	5.17.18	-	-	191	-	24	28	30	25	10	0	0	12	2	0	0	5	-		5	2.75	-	-	
PRAROST	9 9	67	7.9	2.4	5.1	-	11.4	10	-0.9	5	-	-	151	122	19	28	30	26	3	4	3	10	1	0	3	16	-		1	2.63	-	-	
STRATHCONON	9 9	107	8.4	0.6	4.5	-	14.3	10	-2.5	31	-	-	146	-	17	28	25	22	7	0	0	0	0	-	14	-	-		0	-	-	-	
TARBATNESS	21-9	18	8.5	2.3	5.4	+0.3	13.1	30	-0.9	21	-	-	66	-	20	15	24	16	1	0	0	0	0	0	3	-	-		0	-	-	-	
TOMARIN	9 9	311	6.4	0.7	3.5	-	10.9	10	-2.5	26	-	-	94	-	(15)	15	27	20	11	-	0	1	0	0	14	-	-		0	-	-	-	
TORRISDALE	9 9	27	8.5	2.4	5.5	-	11.6	9	-1.4	23	-	-	102	-	16	15	27	23	4	0	0	5	0	1	17	-		0	3.53	-	-	-	
WICK	21-9	36	8.0	2.2	5.1	+0.4	11.0	10	-3.4	21	-	-	97	183	18	15	25	15	4	0	0	6	0	1	8	18	15	0	4.07	116	-	-	



MARCH 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT 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 (AMOUNT (MM))	DATE	PRECIP- ITATION (0-2 MM OR MORE 1-0 MM OR MORE)	SNOW OR SLEET	SNOW LYING AT 9H	MAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	WATER MIN. BELOW 0 DEG C	DATE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE			
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																							
1 SCOTLAND E																																	
CRAMPAN																																	
ABERDEEN																																	
Dyce Airport ... ..	21-9	58	8.8	2.0	5.4	+0.9	13.6	10	-1.0	26	-	-	59	118	12	15	21	13	7	1	0	0	0	0	8	19	15	1	4.16	121	-	-	
Balmoral ... ..	9 9	283	7.1	0.5	3.8	+0.9	12.3	10	-4.0	5	-	-	68	139	17	28	21	15	5	8	0	0	0	0	14	22	1	0	-	-	-	-	
Banchory ... ..	9 9	94	9.2	1.7	5.5	-	15.0	10	-2.5	13	-	-	71	-	18	31	22	14	4	0	0	0	0	0	9	16	15	1	3.48	-	-	-	
Banff ... ..	9 9	24	8.7	3.1	5.9	-	11.7	12	0.6	18	-	-	55	125	15	15	21	15	2	0	0	0	0	1	0	0	1	2	3.82	-	-	-	
Bareham ... ..	9 9	339	7.1	0.4	3.7	+1.0	11.9	10	-5.0	19	-	-	98	180	24	28	24	19	1	0	0	0	0	16	30	1	0	2	2.95	99	-	-	
Clashmoir ... ..	9 9	338	6.6	0.3	3.5	-	10.7	10	-2.9	5	1.8	-	79	-	14	15	27	19	10	8	1	0	0	2	13	22	3	3.77	-	-	-	-	
Craigstone ... ..	9 9	91	8.4	1.6	5.0	+0.6	13.4	10	-0.6	9	4.4	4.3	67	131	11	15	22	14	5	1	0	0	0	2	6	19	0	0	4.25	121	-	-	
Culterty ... ..	9 9	3	8.7	2.0	5.3	-	13.2	10	-1.4	31	-	-	61	148	(20)	15	20	13	3	0	0	0	0	1	6	22	0	0	-	-	-	-	
Elgin ... ..	9 9	15	-	-	-	-	-	-	-	-	-	-	61	148	21	15	18	13	2	0	0	0	0	0	0	0	0	0	3.94	-	-	-	
Forehill ... ..	9 9	40	8.0	2.0	5.0	-	12.5	10	-0.8	21	-	-	71	-	32	15	20	13	1	0	0	0	0	1	3	15	0	0	-	-	-	-	
Forres ... ..	9 9	5	9.6	2.5	6.1	+1.0	14.0	10	-0.4	31	4.8	4.7	64	-	25	15	19	14	4	0	0	0	0	0	0	1	17	0	3.90	109	-	-	
Fraserburgh ... ..	21-9	19	8.3	2.6	5.5	-	11.8	30	-0.6	26	-	-	66	(156)	23	15	21	15	1	0	0	0	0	0	1	2	12	11	1	3.94	-	-	-
Fyvie Castle ... ..	9 9	55	9.0	1.0	5.0	-	13.0	10	-3.0	31	-	-	75	134	22	15	27	15	3	0	0	0	2	0	12	21	3	0	-	-	-	-	
Gartly ... ..	9 9	146	8.4	1.6	5.0	-	12.5	10	-1.5	9	-	-	73	18	15	15	19	15	3	0	0	0	0	0	12	18	18	0	0	3.76	-	-	-
Glenlivet ... ..	21-9	215	7.6	1.2	4.4	-	12.1	10	-2.6	31	-	-	63	118	18	15	24	15	8	5	0	0	0	0	0	11	20	0	0	3.87	-	-	-
Inverurie ... ..	9 9	54	9.2	1.4	5.3	-	13.5	10	-2.3	31	-	-	69	-	11	31	21	13	4	0	0	0	0	0	0	11	20	0	0	4.02	-	-	-
Keith ... ..	9 9	106	8.8	1.3	5.1	-	12.8	10	-2.2	31	-	-	71	-	23	15	24	15	5	2	0	0	0	0	0	10	23	0	0	3.76	-	-	-
Kinloss ... ..	21-9	5	9.3	2.5	5.9	+0.8	13.9	28	-1.9	31	4.8	-	59	174	24	15	18	13	6	0	0	0	0	0	5	14	9	0	0	3.76	-	-	-
Lossiemouth ... ..	21-9	6	9.5	1.6	5.5	-	13.0	28	-2.4	21	-	-	60	171	20	15	21	12	5	0	0	0	3	0	0	8	20	16	0	-	-	-	-
TAYSIDE																																	
Aberbroath ... ..	9 9	29	8.4	3.2	5.8	-	14.5	10	0.9	5.16.26	-	-	55	140	9	14	18	14	0	0	0	1	0	1	0	19	-	0	4.14	112	-	-	
Arrochar ... ..	9 9	130	8.3	2.2	5.3	-	14.0	8	-2.0	18	-	-	169	190	32	28	25	22	6	0	0	1	0	0	0	3	16	-	0	2.48	-	-	-
Dall ... ..	9 9	232	7.2	0.3	3.7	-	11.7	10	-5.2	5	-	-	198	264	28	28	26	23	8	1	0	0	0	0	1	17	21	0	0	-	-	-	-
Drummond Castle ... ..	9 9	113	8.4	1.9	5.1	-	12.6	10	-1.0	13	3.9	-	172	-	19	28	23	19	1	1	0	0	0	0	8	16	-	0	3.46	-	-	-	
Dundee ... ..	9 9	45	9.1	3.0	6.1	+1.1	14.5	10	-0.6	5	5.3	-	54	120	8	31	18	16	1	0	0	2	0	1	1	16	-	0	3.80	116	-	-	-
Faskally ... ..	9 9	94	8.6	1.3	4.9	-	13.7	10	-3.2	5	3.8	3.9	122	249	15	14	26	18	5	2	0	0	0	0	0	12	17	0	0	-	-	-	-
Kindrogan ... ..	9 9	259	6.8	0.1	3.5	-	12.1	10	-4.5	13	-	-	130	-	17	1	25	21	7	6	0	0	0	0	2	15	24	-	0	-	-	-	-
Kinross ... ..	9 9	116	8.6	1.0	4.8	-	12.8	8	-4.2	5	4.4	-	103	-	12	19	23	18	-	2	-	-	-	-	12	14	-	0	3.22	-	-	-	
Montrose ... ..	9 9	57	8.6	2.5	5.5	-	15.8	10	-0.1	13	-	-	50	115	8	15	21	13	2	0	0	0	0	0	1	18	-	0	-	-	-	-	-
Mylnfield ... ..	9 9	30	8.7	2.8	5.7	-	13.6	10	-0.5	5	5.1	4.8	59	134	7	31	19	16	0	0	0	1	0	1	1	18	-	0	3.55	-	-	-	-
Perth ... ..	9 9	23	9.2	2.3	5.7	+0.7	14.4	10	-2.5	5	-	-	74	161	7	28	20	17	-	-	-	-	-	0	5	-	-	0	2.85	90	-	-	-
Strathallan ... ..	9 9	41	9.2	2.7	5.9	-	14.3	10	-2.0	5	-	-	83	-	10	19	23	18	3	1	3	0	1	0	0	4	18	-	0	-	-	-	-
USAN ... ..	21-9	30	8.4	2.8	5.6	-	15.7	10	0.2	5.26	-	-	49	-	8	14	19	13	2	0	0	0	0	0	0	13	13	5	4.00	-	-	-	-
Whitehillocks ... ..	9 9	258	7.6	1.1	4.3	-	14.6	10	-3.2	9	-	-	159	209	32	31	27	21	2	3	0	0	0	0	1	11	18	-	0	-	-	-	-
FIFE																																	
Belliston ... ..	9 9	82	8.5	2.9	5.7	-	13.3	10	0.2	5.16	4.9	-	56	117	7	19	21	16	2	1	0	1	0	2	0	16	-	0	-	-	-	-	-
Cupar ... ..	9 9	36	9.0	2.6	5.8	-	13.6	10	-1.3	5	4.9	-	65	-	7	19	23	16	1	0	0	3	0	-	4	16	-	0	3.76	-	-	-	-
Glenrothes ... ..	9 9	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	
Leuchars ... ..	21-9	10	9.2	2.6	5.9	+0.8	13.6	8.10	-1.6	31	-	-	52	129	6	31	19	16	3	0	1	0	0	0	7	15	14	0	3.87	105	-	-	-
Pitreavie ... ..	21-9	40	9.0	3.4	6.2	-	12.3	8	-1.9	5	-	-	69	162	8	19	25	20	2	1	4	0	1	0	0	12	12	0	0	-	-	-	-
St Andrews ... ..	9 9	18	9.3	3.4	6.3	-	14.1	10	0.3	31	5.2	5.3	52	121	8	19	22	16	1	0	0	0	0	0	0	13	-	0	3.88	-	-	-	-
LOTHIAN																																	
Bush House ... ..	9 9	184	8.1	2.2	5.1	-	12.5	10	-2.4	5	4.4	4.2	89	174	11	19	25	19	5	2	0	3	0	0	0	4	15	-	0	2.56	-	-	-
Dunbar ... ..	9 9	23	9.5	3.5	6.5	+1.1	13.0	10	-0.5	5	-	-	42	127	6	28.31	17	14	2	1	0	0	0	0	0	1	-	0	4.26	113	-	-	-
Edinburgh ... ..																																	
East Craigs ... ..	9 9	61	9.1	2.2	5.7	-	12.5	10	-3.7	5	5.5	-	54	-	8	19	20	17	4	1	5	0	1	0	5	16	-	0	3.79	-	-	-	-
Royal Botanic Garden ... ..	9 9	26	9.7	3.1	6.4	+1.1	13.8	10	-2.2	5	5.3	-	51	136	8	22	22	14	3	1	0	2	0	0	2	19	-	0	3.58	112	-	-	-
Royal Observatory ... ..																																	
Blackford Hill ... ..	9 9	134	9.0	2.6	5.8	+0.7	13.1	10	-0.6	18	-	-	53	148	10	19	21	15	2	1	0	0	0	0	4	8	-	3	3.34	96	-	-	-
Turnhouse Airport ... ..	21-9	35	9.6	3.0	6.3	+1.2	13.0	8	-3.4	5	-	-	52	134	7	19	22	15	5	1	1	5	1	0	4	19	14	1	3.29	104	-	-	-
Haddington ... ..	9 9	49	9.5	2.6	6.1	-	13.9	10	-3.0	5	-	-	40	119	5	15.29	23	13	2	1	3	0	0	0	5	-	-	0	-	-	-	-	-
Livingston ... ..	9 9	125	8.4	0.7	4.5	-	12.1	10	-5.6	5	4.6	-	88	-	18	19	23	18	2	1	0	0	1	0	11	16	-	0	-	-	-	-	-
Munra Abbey ... ..	9 9	195	8.0	2.1	5.1	-	12.5	10	-2.1	17	-	-	65	-	12	28	21	16	3	2	0	1	0	1	6	-	-	0	-	-	-	-	-
Pathhead ... ..	9 9	131	8.4	2.6	5.5	-	12.6	10	-0.8	5.18	4.6	-	52	-	7	29	22	18	2	1	0	3	0	0	3	10	-	0	-	-	-	-	-



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MARCH 1978

DISTRICT REGION/COUNTY AND PLACE			MAX. TERMINAL HEIGHT 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 CH DEGREES C	100 CH DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM) DATE	PRECIP- ITATION 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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MARCH 1978

DISTRICT REGION/COUNTY AND PLACE			MAX. TERMINAL HEIGHT 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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BRADFORD ...		9 9	134	9.5	2.7	6.1	+1.2	13.8	11	-2.5	5	4.8	5.0	90	158	16	20	20	17	5	1	4	0	1	0	6	14	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0	0	0</



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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MARCH 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (H)GNT 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 24 H)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		50 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION	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	
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																						
5 ENGLAND SE & CENTRAL S.																																
GREATER LONDON																																
BROMLEY ...	9 9	65	11.4	3.7	7.5	+1.2	17.0 10.11	-1.5 6	-	-	57	139	15 15	18 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GREENWICH ...	9 9	7	11.3	4.1	7.7	-	16.8 11	-1.5 6	-	-	53	144	15 15	17 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.35	-	-	
HAMPSTEAD ...	9 9	137	10.3	(3.0)	(6.7)	(+1.0)	16.3 10	-1.2 18	-	-	75	174	14 15	18 17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.48	97	5	
HAMPTON ...	9 9	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HARROW WEALD ...	9 9	98	10.9	2.9	6.9	-	-	-2.0 18	6.6	6.9	79	-	13 2	20 16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HEATHROW AIRPORT ...	21-9	25	11.3	3.7	7.5	+1.0	16.6 10	-1.0 18	-	-	59	151	11 15	18 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	-	-	
KENSINGTON PALACE ...	9 9	25	(11.4)	(4.3)	(7.9)	(+1.0)	17.1 11	-0.2 18	(7.3)	(7.3)	58	142	15 15	17 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KEN	21-9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PSYCHROMETER ...	21-9	5	11.1	3.6	7.3	-	16.2 10	-2.9 6	6.7	7.0	53	138	13 15	18 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80	105	-	
NORTH WALL SCREEN ...	21-9	5	11.1	4.5	7.8	+1.2	16.1 11	-1.2 18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LONDON																																
WEATHER CENTRE (X)	21-9	77	11.5	5.5	8.5	-	16.9 10	-1.2 16	-	-	49	-	15 15	18 11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.62	113	-	
ST JAMES PARK ...	9 9	9	11.4	(4.6)	(8.0)	(+1.0)	17.2 11	-0.4 18	-	-	59	148	17 15	18 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOUTHGATE ...	9 9	67	(10.8)	3.6	(7.2)	(+0.9)	16.6 11	-0.9 6	6.5	-	67	156	13 15	17 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.06	118	-	
WADDON ...	9 9	59	-	(3.9)	-	-	-	-1.5 18	-	-	62	148	16 15	16 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MILTSIRE																																
BOSCOMBE DOWN ...	21-9	126	10.2	2.9	6.5	+0.6	15.9 10	-1.5 5	-	-	53	111	9 13	22 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20	106	-	
LACOCK ...	9 9	49	10.6	2.7	6.7	-	16.2 10	-3.7 6	-	-	70	145	9 13	22 17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LARKHILL ...	9 9	132	10.5	2.7	6.6	+1.0	16.9 10	-2.4 6	-	-	66	129	9 13	21 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LYNEHAM ...	21-9	145	9.9	3.2	6.5	+1.0	15.0 10	-2.1 18	-	-	66	140	8 13	19 17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.18	-	-	
PORTON ...	9 9	111	10.4	2.4	6.4	+0.8	16.1 10	-2.7 6	5.8	-	54	104	9 31	21 11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.07	102	-	
TROWBRIDGE ...	9 9	37	10.7	2.9	6.8	-	16.6 10	-3.6 5	6.6	-	72	-	8 15	21 18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UPAVON ...	21-9	179	10.1	2.8	6.5	-	16.3 10	-1.9 18	-	-	73	142	9 15	21 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BERKSHIRE																																
EASTHAMPTON ...	9 9	77	10.6	2.5	6.5	-	16.0 11	-5.1 6	6.5	6.7	66	-	12 15	18 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.65	-	-	
HURLEY ...	9 9	43	10.8	2.6	6.7	-	16.3 11	-3.1 6	6.0	-	59	132	8 25	19 16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.54	-	-	
LAMBURN (WARREN FARM)	9 9	192	9.5	2.4	5.9	-	15.1 10	-1.3 18	5.7	-	57	-	7 13	19 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
READING ...	9 9	66	10.7	3.1	6.9	-	16.3 11	-3.0 6	6.5	6.6	57	-	9 15	18 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.85	-	-	
SHINFIELD (N.I.R.O.)	9 9	62	10.7	2.9	6.8	-	16.1 11	-3.2 6	-	-	57	-	10 15	17 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.71	-	-	
SURREY																																
WISLEY ...	9 9	32	11.1	3.2	7.1	+0.8	16.6 10	-3.0 6	6.5	6.8	59	142	18 15	18 13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.61	99	-	
KENT																																
DOVER R.H.S. ...	9 9	123	9.0	3.3	6.1	-	13.5 10	0.2 17	-	-	50	95	6 15	21 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DUNGENESS ...	9 9	6	9.2	4.0	6.6	-	11.0 24	-2.5 6	-	-	34	82	7 2	16 11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EAST MALLING ...	9 9	52	10.9	3.3	7.1	+1.2	17.5 10	-2.8 6	6.4	6.5	42	102	9 15	15 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.38	89	-	
EDENBRIDGE ...	9 9	45	10.6	2.5	6.5	-	17.0 10	-4.0 6	-	-	54	-	8 15	17 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.52	-	-	
ELMSTONE ...	9 9	5	11.3	2.4	6.9	-	16.8 10	-3.9 6	-	-	26	69	4 20	19 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FAVERSHAM ...	9 9	48	10.7	3.5	7.1	-	16.9 10	-1.9 6	6.0	6.3	41	101	9 15	17 11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60	-	-	
FOLKESTONE ...	9 9	31	9.3	3.1	6.2	-	11.7 25	-2.5 7	-	6.6	45	102	6 2	18 16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.87	92	-	
GILLINGHAM ...	9 9	3	11.0	4.0	7.5	-	17.5 10	-2.5 6	-	-	41	105	13 15	14 11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GOUDHURST ...	9 9	85	(9.9)	(2.8)	(6.3)	(+0.6)	16.4 10	-3.7 6	-	-	62	109	9 15	17 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HADLOW COLLEGE ...	9 9	27	10.8	2.6	6.7	-	16.7 10	-3.4 6	6.4	6.9	52	-	7 15	18 15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HERNE BAY ...	9 9	31	10.6	3.3	6.9	-	17.0 11	-1.5 18	6.7	-	30	-	5 20	19 12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.97	102	-	
MANSTON ...	21-9	44	10.6	3.2	6.9	-	17.0 11	-2.2 6	-	-	23	65	5 20	17 8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.98	-	-	
MARGATE ...	9 9	16	10.6	4.4	7.5	+1.2	16.9 11	0.1 18	6.5	6.8	24	72	6 20	17 8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.69	88	-	
ULCOMBE ...	21-9	47	(11.0)	(2.5)	(6.7)	-	17.8 10	-3.2 6	-	-	41	-	6 15	17 12	-	-	-	-	-													



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MARCH 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H (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	PRECIP- ITATION	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	GRASS FROST BELOW 0 DEG C	CONCRETE FROST BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE			
			MAX. (A)	MIN. (B)			MAX.	DATE																					MIN.	DATE	
7A ENGLAND NM & I.O.M.																															
CUMBRIA																															
CARLISLE ...	21-9	26	9.1	3.8	6.5	-	12.6	8	-4.0	5	6.0	5.9	86	183	17	13	22	16	6	0	2	0	0	1	4	9	6	0	2.97	-	
CARTHEL ...	9 9	35	8.7	2.8	5.7	-	11.3	8	-3.6	5	-	-	167	-	24	7.13	22	20	1	0	0	0	1	1	5	17	-	0	-	-	
GRIZEDALE ...	9 9	91	8.4	2.4	5.4	-	12.5	8	-4.1	5	4.7	-	205	167	23	13	27	22	4	0	2	0	0	1	7	17	-	0	-	-	
MOOR HOUSE ...	9 9	556	4.2	-0.3	1.9	-	11.4	10	-7.5	5	2.4	-	298	216	44	14	27	23	16	8	6	1	0	4	18	20	5	2.08	-		
NEWTON RIGG ...	9 9	171	8.4	2.7	5.5	+0.8	13.7	10	-3.4	5	5.2	-	108	177	16	14	23	19	3	0	0	1	0	0	5	13	0	3.02	89		
SELLAFIELD ...	9 9	13	8.3	4.0	6.1	-	12.0	11	-1.5	5	-	-	124	177	25	13	22	19	-	0	-	-	-	-	-	-	-	0	2.65	-	
LANCASHIRE																															
HAZELRIGG ...	9 9	95	8.5	3.0	5.7	-	11.6	28	-2.3	5	-	-	104	-	12	20	24	16	5	0	0	2	1	3	4	9	-	2	2.77	-	
HELMESHORE ...	9 9	260	7.6	2.1	4.9	-	11.0	11	-2.1	5	4.6	-	169	192	39	14	25	19	1	0	0	1	0	3	4	15	-	0	2.69	-	
KIRKHAM ...	9 9	24	9.0	3.4	6.2	-	12.6	28	-2.8	5	-	-	91	182	12	13	21	17	4	0	0	1	1	1	4	9	-	0	3.25	-	
MORECAMBE ...	9 9	7	9.1	4.3	6.7	+1.0	12.3	28	-1.2	5	-	-	116	211	15	22	21	16	1	0	0	3	0	0	1	2	-	0	3.05	82	
PRESTON ...	9 9	33	9.5	3.5	6.5	-	12.5	28	-3.2	5	-	-	87	164	13	14	22	17	2	0	0	3	0	0	0	5	10	-	0	-	-
SLAIDBURN ...	9 9	192	8.1	2.1	5.1	-	12.0	11	-3.5	5	-	-	197	221	45	14	27	24	9	0	2	0	0	1	6	10	-	0	2.65	-	
SQUIRES GATE AIRPORT ...	21-9	10	9.2	4.0	6.6	+0.9	12.0	28	-3.6	5	-	-	75	163	11	13	22	18	2	0	0	3	1	1	3	7	4	0	3.78	96	
STONYHURST ...	9 9	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERSEYSIDE																															
ALBURN ...	9 9	12	10.0	4.3	7.1	-	15.3	10	-0.7	5	-	-	51	-	15	20	18	11	3	0	2	1	1	1	1	7	6	2	3.80	-	
BIDSTON ...	9 9	60	(9.5) (4.2) (6.9)	-	-	-	13.1	28	1.3	5.17	-	-	50	-	16	20	19	11	3	0	0	4	0	1	0	5	-	2	4.36	-	
ST HELENS ...	9 9	76	(9.8) (3.5) (6.7)	-	-	-	13.2	10	-1.7	5	6.0	-	71	-	14	20	21	16	1	-	2	0	0	-	4	-	-	0	3.80	-	
SOUTHPORT ...	9 9	5	9.2	3.2	6.2	+0.5	13.0	28	-2.7	5	6.2	7.1	75	172	12	13	19	16	-	-	-	-	-	-	4	7	-	0	3.64	93	
WEST KIRBY PARK ...	9 9	7	10.7	4.4	7.5	+1.4	14.1	10	-2.2	5	-	-	47	109	15	20	18	12	1	0	0	0	0	-	1	7	-	0	-	-	
GREATER MANCHESTER																															
BOLTON ...	9 9	107	9.0	2.8	5.9	-	12.0	27.28	-3.0	5	5.1	5.2	125	-	27	14	23	17	0	0	1	1	1	0	6	11	-	0	-	-	S
MANCHESTER ...	9 9	75	9.8	3.9	6.9	+1.2	13.9	10	-1.7	5	-	-	64	134	15	20	18	16	5	0	2	1	2	0	2	8	6	0	3.35	95	
RINGWAY AIRPORT ...	21-9	69	10.2	4.7	7.5	-	14.5	10	0.0	5	-	-	83	-	16	20	20	17	8	-	2	2	0	0	0	-	-	0	3.14	-	
CHESHIRE																															
KNUTSFORD ...	9 9	65	10.3	2.8	6.5	-	14.3	10	-2.6	5	5.4	5.2	66	134	19	20	19	16	3	0	0	3	0	0	5	18	-	2	-	-	
MACCLESFIELD ...	9 9	152	9.4	2.7	6.1	+0.8	13.4	10	-1.7	5	-	-	68	129	17	20	20	18	6	0	0	1	0	6	4	-	-	0	-	-	
NESS GARDENS ...	9 9	30	10.4	3.0	6.7	-	15.2	10	-1.3	5	6.1	-	42	98	11	20	17	14	0	0	1	0	0	1	5	20	-	2	4.20	S	
ISLE OF MAN																															
DOUGLAS ...	9 9	85	8.0	3.8	5.9	+0.2	10.2	8	-1.0	5	-	-	107	141	16	13	24	18	4	0	0	2	0	2	1	6	-	3	3.65	94	
POINT OF AYRE ...	21-9	9	9.4	4.3	6.9	+0.6	11.9	27	-1.7	5	-	-	58	106	9	20	20	16	2	0	0	0	0	0	2	-	-	1	3.44	87	
RONALDSWAY AIRPORT ...	21-9	16	8.7	4.4	6.5	+0.6	10.9	8	-2.1	5	-	-	67	114	10	20	22	14	6	0	0	2	0	0	3	7	6	1	3.65	97	
7B WALES N																															
GWYNEDD																															
BALA ...	9 9	163	8.8	2.3	5.5	-	14.1	10	-4.9	5.18	5.5	5.7	122	145	20	14	22	18	1	0	0	6	0	1	7	11	9	0	3.34	-	
BARDESEY ISLAND ...	21-9	15	8.4	5.2	6.8	-	10.0	28	2.3	17.18.25	-	-	48	85	10	13	19	14	0	0	0	0	0	0	0	0	0	0	-	-	-
BETWS-Y-COED ...	9 9	20	10.4	3.2	6.8	-	14.5	10	-3.2	5	6.0	-	173	-	36	14	22	21	0	0	0	0	0	2	5	15	-	0	-	-	
BOTHNNOG ...	9 9	34	9.7	4.4	7.1	-	13.1	3.5	0.5	18	6.2	7.3	72	104	13	13	21	17	0	0	0	0	0	0	0	2	-	0	2.97	-	
CHMYSTRADOLLYN ...	9 9	204	8.0	2.9	5.5	-	10.5	1	-0.5	5	-	-	186	-	30	13	23	21	-	-	-	-	-	-	-	-	-	-	-	2.66	-
LLYN ALAW ...	9 9	44	9.6	3.5	6.5	-	11.0	8.9.31	-2.0	24	-	-	85	-	15	13	24	19	-	-	-	-	-	-	-	-	-	-	-	3.82	-
PEN-Y-FFRIDD ...	9 9	84	9.8	3.7	6.7	-	14.4	10	-1.1	5	-	-	83	124	10	20	21	16	0	0	0	3	0	0	3	17	-	1	3.71	S	
TRANSFYNOOD ...	9 9	193	-	-	-	-	-	-	-	-	-	-	138	124	25	13	21	18	-	-	-	-	-	-	-	-	-	-	-	-	-
VALLEY ...	21-9	10	9.3	5.2	7.3	+0.8	11.5	8	-1.4	5	-	-	63	123	12	20	20	19	3	0	0	4	0	0	1	5	3	9	3.87	91	
CLWYD																															
ALWEN ...	9 9	335	7.7	1.0	4.3	-	13.0	10	-7.2	5	-	-	106	136	24	14	21	17	-	-	-	-	-	-	10	15	-	-	-	-	
BALCHGWYN ...	9 9	386	7.1	1.6	4.3	-	10.2	8	-2.0	17.18	4.3	-	69	93	14	14	18	14	5	1	0	0	0	2	7	16	-	0	-	-	
COLWYN BAY ...	9 9	18	9.8	4.2	7.0	-	12.7	22	-0.4	5	6.2	-	54	111	9	20	20	13	0	0	0	0	0	0	1	-	-	0	4.35	106	
CORNEN ...	9 9	144	9.6	2.4	6.0	-	15.2	10	-5.2	5	-	-	102	152	21	14	21	18	0	0	0	0	0	-	6	13	-	0	-	-	
HAWARDEN BRIDGE ...	9 9	5	11.2	3.5	7.3	+1.2	15.2	10	-2.9	5	-	-	44	101	10	20	17	13	0	0	0	0	0	0	3	-	-	0	-	-	
LOGGERHEADS ...	9 9	210	8.9	2.1	5.5	-	15.7	10	-4.0	5	5.0	5.2	48	85	9	14	16	12	4	0	0	0	0	0	6	12	-	0	4.15	S	
PRESTATYN ...	9 9	4	10.1	4.6	7.3	+0.8	13.7	28	-0.8	5	-	-	41	99	13	20	21	10	1	0	2	0	0	0	1	-	-	-	0	4.04	110
RUTHIN ...	9 9	76	10.4	3.1	6.7	-	17.1	10	-3.1	5	-	-	45	93	11	14	15	10	0	0	0	0	0	0	5	-	-	-	0	4.40	-
PONYS(NORTH)																															
HOPE ...	9 9	91	10.6	3.1	6.9	-	18.3	10	-4.0	18	6.5	-	49	-	7	22	20	14	4	0	0	3	0	0	5	11	-	0	-	-	
LAKE VYRNWY ...	9 9	303	7.7	1.7	4.7	+0.4	13.8	10	-4.0	5	4.2	-	185	170	29	14	21	19	6	4	1	2	0	0	7	16	-	6	-	-	
LLANFAIR CAEREINTON ...	9 9	236	9.2	2.8	6.0	-	15.9	10	-2.3	5	5.1	-	79	-	13	20	20	17	3	0	0	0	0	0	4	13	-	1	-	-	
MOEL CYNNEDD ...	9 9	358	7.5	1.0	4.3	-	13.6	10	-5.8	18	4.5	-	271	-	45	19	25	23	7	2	0	5	0	0	9	-	-	6	-	-	
7C WALES S																															
DYFED																															
ABERPORTH ...	21-9	134	8.9	4.2	6.5	+0.2	12.6	10	-0.6	18	-	-	48	80	8	13	22	19	2	0	3	0	0	0	3	4	3	3	3.76	88	
ABERYSTWYTH ...	9 9	4	-	-	-	-	11.0	8	-1.8	18	-	-	55	92	13	19	17	14	-	0	-	-	-	-	-	-	-	-	-	-	-
BRANDY ...	21-9	111	8.5	4.3	6.4	-	11.0	8	-2.3	18	-	-	74	-	13	13	22	15	4	1	0	4	0	2	3	7	4	0	3.73	-	
BRYNMAHAN ...	21-9	183	8.9	3.4	6.1	-	11.5	8	-3.0	18	-	-	127	-	25	13	24	22	4	1	3	1	0	2	5	7	-	0	-	-	
CARMARTHEN ...	9 9	15	9.9	3.5	6.7	-	12.8	8	-3.8	5	6.7	6.7	105	126	19	13	25	19	1	0	3	0	0	0							



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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MARCH 1978

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 AMOUNT (MM)	DATE	PRECIP- ITATION 0.2 MM OR MORE OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	MAIL	ICE PELLETS.ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	DRASS 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																										
BA WALES S CONTINUED																															
WEST GLAMORGAN																															
MUMBLES HEAD																															
NEATH																															
PENMAEN																															
PORT TALBOT																															
SWANSEA																															
WHITEFORD BURROWS																															
MID GLAMORGAN																															
ABERDARE FILTER STATION																															
CILFYNYDD																															
LLWYNON																															
PORTHCAWL																															
SOUTH GLAMORGAN																															
BRIDGEND																															
CARDIFF (BUTE PARK)																															
RHODES AIRPORT																															
Gwent																															
CRUMBLAND																															
USK																															
BB ENGLAND SW																															
AVON																															
BATH																															
FILTON																															
LONG ASHTON																															
SOMERSET																															
CANNINGTON																															
CREWKERNE																															
DOWNSIDE ABBEY																															
EXTON																															
HAWKRIODE																															
NETTLECOMBE																															
NETTLECOMBE(BIRDS HILL)																															
RODNEY STOKE																															
WINCANTON																															
YEOWILTON																															
DORSET																															
BOURNEMOUTH																															
HURN AIRPORT																															
MEYRICK PARK																															
CHRISTCHURCH																															
POOLE																															
PORTLAND BILL (CONSTGUARD)																															
SWANAGE																															
MEYNOUTH																															
WINFRITH																															
DEVON																															
CHAWLEIGH																															
EXETER AIRPORT																															
EXMOUTH																															
HARTLAND POINT																															
ILFRACOMBE																															
ONEHAMPTON																															
PLYMOUTH																															
MOUNT BATTEN																															
THE HOE																															
PRAMLE POINT																															
PRINCETOWN																															
SIDMOUTH																															
SLAPTON																															
STARCROSS																															
TEIGNMOUTH																															
TORBAY (TORQUAY)																															
CORNWALL																															
BASTREET																															
BUDE																															
CULDROSE																															
FALMOUTH																															
FOWEY																															
GULVAL																															
GWHENAP HEAD																															
LIZARD																															
MENOURY																															
PENZANCE																															
ROSEHARNE																															
ST AUUSTELL(BETHEL)																															
ST JOHNS																															
ST MARGAN																															
SCILLY(ST MARYS)																															
CHANNEL ISLANDS																															
ALDERNEY																															
GUERNSEY																															
AIRPORT																															
L'ANCRESE																															
JERSEY																															
AIRPORT																															
GOREY CASTLE																															
ST HELIER																															



DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT 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 AMOUNT (MM)	DATE	PRECIP- ITATION 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					
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																								
NORTHERN IRELAND																																		
LONDONDERRY																																		
AGHANLOO ...	99	18	9.5	3.3	6.4	-	13.8	10	-1.0	16	-	-	94	14	20	26	21	4	1	0	0	0	0	2	10	-	-	-	-	-	-	-	-	
BANAGHER (CAUGH HILL) ...	99	216	8.2	1.6	4.9	-	12.7	10	-3.5	5	-	-	169	18	14	29	26	6	3	2	0	0	0	8	21	0	-	-	-	-	-	-	-	
CARMONEY ...	99	73	9.2	3.2	6.2	-	13.2	10	-1.5	16	-	-	105	14	14	29	24	1	1	0	0	0	0	2	11	-	-	-	-	-	-	-	-	
COLERAINE UNIVERSITY ...	99	23	9.1	2.9	6.0	-	12.6	10	-2.5	5	5.6	5.9	96	15	14	26	22	6	0	0	0	0	1	5	16	-	-	-	-	-	-	-	-	
COOLKEERAGH ...	99	3	9.6	3.4	6.5	-	13.7	10	-1.0	16	-	-	112	15	20	25	23	-	-	-	-	-	1	7	-	-	-	-	-	-	-	-	-	
DEALNOYD FOREST ...	99	88	9.2	2.0	5.6	-	12.4	10	-2.9	5	-	-	158	195	13	14	27	24	5	1	3	0	1	0	7	19	-	-	-	-	-	-	-	
DARVAGH FOREST ...	99	88	8.9	1.7	5.3	-	11.2	10	-2.5	5	-	4.7	140	192	21	14	29	25	2	1	0	0	0	9	17	-	-	-	-	-	-	-	-	
LOUGHMORE FOREST ...	99	174	8.5	1.8	5.1	-	13.4	10	-4.5	5	-	-	138	185	19	20	29	24	12	3	5	6	1	1	8	16	-	-	-	-	-	-	-	
MONEYTOIG ...	99	34	9.1	2.3	5.7	0.0	11.9	9.22	-3.4	5	5.7	-	121	198	13	20	26	24	4	0	0	3	2	1	5	12	7	1	-	-	-	-	-	
TRADD POINT ...	99	16	9.5	1.7	5.6	-	13.0	10	-4.2	5	-	-	93	-	10	20.28	25	22	2	-	0	0	0	8	-	-	-	-	-	-	-	-	-	
ANTRIM																																		
ALDERGROVE AIRPORT ...	21-9	68	9.2	3.0	6.1	+0.4	13.6	10	-3.3	17	5.9	6.3	87	151	9	20	24	22	6	0	1	4	1	0	7	13	10	0	-	-	-	-	-	-
ALTNAHINCH ...	99	213	7.6	1.6	4.6	-	12.0	10	-2.7	16	-	-	137	148	17	14	27	25	7	3	1	0	0	4	8	10	-	-	-	-	-	-	-	-
BALLYLUMFORD ...	99	24	9.2	3.5	6.3	-	12.8	10	0.0	16	-	-	71	-	9	19	23	22	-	-	-	-	-	0	15	-	-	-	-	-	-	-	-	-
BALLYPATRICK FOREST ...	99	152	8.3	2.2	5.3	-	12.7	10	-2.6	5	-	-	122	157	14	14	27	23	6	-	0	0	0	0	6	11	-	-	-	-	-	-	-	-
CARNLOUGH ...	99	12	9.0	3.0	6.0	-	12.4	10	-2.8	5	-	-	122	-	15	23	25	23	2	-	1	0	0	0	2	-	-	-	-	-	-	-	-	-
DIVIS MOUNTAIN ...	99	363	6.7	0.1	3.4	-	9.8	9.10	-4.5	16	-	-	162	203	20	14	25	25	1	-	2	0	1	-	16	-	-	-	-	-	-	-	-	-
GREENMOUNT ...	99	38	9.4	3.0	6.2	-	13.6	10	-2.6	5	6.5	-	96	174	12	14	24	20	1	0	3	0	1	-	6	12	-	-	-	-	-	-	-	-
HYDE PARK (MALLUSK) ...	99	140	8.7	2.8	5.7	-	12.4	10	-1.8	18	-	-	118	-	22	14	24	22	4	0	2	0	0	-	6	12	-	-	-	-	-	-	-	-
KILROD POWER STATION ...	99	12	9.3	3.5	6.4	-	12.3	22	-2.2	5	-	-	87	-	18	14	25	21	0	0	0	0	-	4	12	-	-	-	-	-	-	-	-	-
LISNAFFILLAN ...	99	38	9.2	1.3	5.3	-	13.1	10	-5.6	18	-	-	120	208	18	14	25	22	4	1	1	0	0	0	10	18	-	-	-	-	-	-	-	-
LONTOWN ...	99	271	7.1	1.5	4.3	-	10.6	10	-3.9	16	4.1	-	141	154	19	14	27	24	4	3	0	0	0	4	10	17	-	-	-	-	-	-	-	-
PARKMORE FOREST ...	99	235	7.4	1.1	4.3	-	11.5	10	-3.5	5	4.5	-	195	195	26	14	25	24	4	2	1	0	0	1	11	17	-	-	-	-	-	-	-	-
WOODBURN NORTH ...	99	217	7.8	1.9	4.9	-	10.8	10	-2.5	5	-	-	126	161	25	14	27	20	2	1	0	0	0	3	6	15	-	-	-	-	-	-	-	-
BELFAST																																		
ANDERSONSTOWN ...	99	64	9.5	2.9	6.2	-	13.2	10	-1.9	16	-	-	126	-	17	14	25	23	2	0	1	0	0	0	3	18	-	-	-	-	-	-	-	-
MALONE ...	99	35	9.6	3.0	6.3	-	13.1	10	-2.0	16	5.9	-	90	-	12	14	25	21	-	-	-	-	-	0	4	13	-	-	-	-	-	-	-	-
MILLTOWN ...	99	37	9.8	2.9	6.3	-	13.0	10	-2.7	5.17	-	-	87	-	10	14	23	22	5	1	0	2	1	0	5	16	-	-	-	-	-	-	-	-
NEWTOWNABBEY ...	99	32	9.6	3.8	6.7	-	12.9	10	-0.7	18	6.1	-	114	173	19	14	23	21	6	0	6	0	1	0	3	12	7	0	-	-	-	-	-	-
ROSEBANK ...	99	47	9.4	3.1	6.3	-	12.5	10	-1.4	16	-	-	91	-	11	14	24	20	-	0	-	-	-	-	4	-	-	-	-	-	-	-	-	-
ROSETTA ...	99	24	-	-	-	-	-	-	-	-	-	-	79	127	14	14	16	15	1	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-
STORMONT CASTLE ...	99	56	9.0	3.0	6.0	-	11.5	8.27	-2.5	16	6.0	6.2	85	140	10	14	24	20	2	1	0	0	0	0	3	17	-	-	-	-	-	-	-	-
DOWN																																		
BANGOR SEACROFT ...	99	15	9.4	4.0	6.7	-	12.4	10	-0.7	16	6.4	6.9	86	-	13	14	25	22	5	1	9	0	0	0	1	9	8	0	-	-	-	-	-	-
BALLYWALTER PARK ...	-	11	-	-	-	-	-	-	-	-	-	-	68	123	9	20	21	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALLYPATRICK ...	99	6	8.9	3.4	6.1	-	11.4	8	-1.9	5	5.8	6.2	76	149	13	4	23	18	2	0	1	3	0	2	3	11	-	-	-	-	-	-	-	-
DOONPATRICK ...	99	26	9.3	3.3	6.3	-	12.0	8.10	-2.3	5	-	-	53	-	9	20	17	10	-	-	-	-	-	2	3	7	-	-	-	-	-	-	-	-
HELMS BAY ...	99	43	9.4	3.6	6.5	-	12.4	10	-0.7	5	-	-	95	170	15	14	24	21	3	0	0	5	0	0	2	8	-	-	-	-	-	-	-	-
HILLSBOROUGH ...	99	116	8.8	2.6	5.7	+0.4	13.4	10	-2.1	16	5.6	-	72	126	11	20	24	21	5	0	0	0	0	0	5	18	-	-	-	-	-	-	-	-
MAGHERALLY ...	99	97	9.1	1.9	5.5	-	13.6	10	-4.7	5	-	-	83	-	15	20	25	21	5	2	0	8	0	-	8	19	-	-	-	-	-	-	-	-
MURLUGH ...	99	9	9.5	2.5	6.0	-	12.2	8	-3.2	5	5.7	5.8	83	-	16	20	26	18	4	-	0	4	1	0	6	11	-	-	-	-	-	-	-	-
NEWTOWN ...	99	1	9.7	2.9	6.3	-	12.4	8	-3.2	5	-	-	91	-	12	20	25	24	0	0	0	0	0	5	11	-	-	-	-	-	-	-	-	-
SILENT VALLEY ...	99	129	8.7	2.4	5.5	-	12.0	8	-3.0	5	-	-	117	-	18	13	24	20	6	1	2	0	0	7	4	17	-	-	-	-	-	-	-	-
ARMAGH																																		
ARMAGH ...	99	62	9.5	2.8	6.1	-0.2	13.5	10	-2.5	5	6.0	6.2	85	161	15	20	26	19	7	1	6	0	0	0	6	14	-	-	-	-	-	-	-	-
LOUGHGALL ...	99	25	9.6	2.7	6.1	-	13.4	10	-3.0	5	-	-	77	154	15	20	24	17	5	3	1	0	0	0	5	18	-	-	-	-	-	-	-	-
LURGAN ...	99	55	9.7	2.7	6.2	-	13.8	10	-2.9	5	6.0	6.2	64	123	11	20	25	18	0	-	0	0	0	-	5	18	-	-	-	-	-	-	-	-
TANDRAGEE ...	99	43	10.0	2.6	6.3	-	13.9	8.10	-3.2	5	-	-	74	-	17	20	25	21	3	-	0	0	0	-	5	-	-	-	-	-	-	-	-	-
TYRONE																																		
ALTAVEEDAN ...	99	175	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CARRIGANS ...	21-9	113	9.2	2.8	6.0	-	12.8	10	-3.0	16	-	-	149	209	16	20	28	24	7	3	8	1	2	1	6	16	10	0	-	-	-	-	-	-
COOKSTOWN ...	99	77	9.2	2.1	5.7	-	13.0	10	-3.5	5	5.5	-	125	192	14	28	26	22	6	1	1	0	0	1	8	16	-	-	-	-	-	-	-	-
LOUGH BRADAN ...	99	169	8.1	1.7	4.9	-	12.2	10	-3.9	16	-	-	194	218	17	20	28	25	-	0	-	-	-	-	1	8	13	-	-	-	-	-	-	-
PONEROY FOREST ...	99	174	8.3	1.5	4.9	-	12.2	10	-3.5	16	5.3	-	150	205	16	14	27	23	3	3	0	0	0	2	9	17	-	-	-	-	-	-	-	-
STRABANE CONVENT ...	99	44	9.7	3.3	6.5	-	14.0	10	-1.0	16	-	-	111	189	12	28	25	25	5	1	4	0	2	3	1	9	-	-	-	-	-	-	-	-
TRAVENNY ...	99	41	9.5	2.9	6.2	-	13.7	10	-3.0	16	-	-	121	-	17	20	27	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FERMANAGH																																		
CASTLE ARCHOALE ...	99	66																																



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

MARCH 1978

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)	WET BULB (DEGREES C)	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS						VISIBILITY						BEAUFORT FORCE																						
										MEAN	0	1-2	3-5	6-7	8	SKY OBSERVED	0-39 M	40-190 M	200-390 M	400-990 M	1000-1900 M	2000-3900 M	4-9 KM	10-19 KM	20-39 KM	40 KM AND OVER	SPEED (KT)																	
																											34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW					
																																								8 OR MORE	6-7	4-5	1-3	CALM
																																								NUMBER OF OBSERVATIONS				
0 SCOTLAND N SHETLAND																																												
FAIR ISLE	61	9	999.6	-	5.0	0.8	7.7	87	5.4	0	7	6	8	9	1	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	0	0		
		15	999.4	-	5.6	0.9	7.8	85	5.0	0	4	7	9	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	0	0	0		
		21	999.7	-	4.6	0.7	7.5	88	5.5	1	8	2	6	14	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	0	0	0		
LERWICK	83	3	998.8	-	3.8	-	7.1	-	5.6	0	7	4	9	8	3	0	2	1	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	0
		9	999.1	-12.8	4.8	-	7.3	-	5.5	0	4	9	12	4	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		15	999.2	-	5.4	-	7.3	-	6.2	0	2	8	12	7	2	0	0	2	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	
ORKNEY	21	9	999.4	-	3.9	-	7.1	-	5.3	0	6	8	8	9	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	0	0	0	0	
		15	999.3	-12.9	6.7	1.4	7.8	80	6.0	0	4	5	14	8	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	0	0			
		21	999.6	-	4.0	0.5	7.5	92	5.7	0	5	7	11	8	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	0	0	0		
KIRKALL	26	3	999.2	-	3.7	0.6	7.3	90	5.5	1	5	6	9	10	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	0	0	0		
		9	999.4	-12.9	5.2	0.7	7.9	89	6.0	0	4	4	14	9	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	0	0			
		15	999.3	-	6.7	1.4	7.8	80	6.0	0	4	5	14	8	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	0	0	0		
WESTERN ISLES	21	9	999.6	-	4.0	0.5	7.5	92	5.7	0	5	7	11	8	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	0	0	0		
		15	999.3	-12.9	6.7	1.4	7.8	80	6.0	0	4	5	14	8	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	0	0			
		21	999.6	-	4.0	0.5	7.5	92	5.7	0	5	7	11	8	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	0	0	0		
BENBECULA	7	3	998.2	-	5.4	0.4	8.4	93	5.9	1	4	5	9	12	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	0	0	0		
		9	998.3	-13.8	5.5	0.6	8.3	91	6.3	0	4	2	16	9	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	0	0			
		15	998.5	-	7.0	0.9	8.7	87	5.9	0	5	7	7	12	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	0	0	0		
STORNOWAY	5	3	998.3	-	4.6	0.6	7.8	91	5.4	0	10	2	7	12	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	0	0	0		
		9	998.4	-13.7	5.2	0.8	7.8	88	6.2	0	1	7	14	9	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	0	0			
		15	998.5	-	6.7	1.3	7.9	81	6.6	0	1	3	19	8	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	0	0	0		
HIGHLAND	21	9	999.0	-	5.0	0.8	7.7	88	5.6	1	4	4	16	6	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	0	0	0		
		15	999.3	-12.9	6.7	1.4	7.8	80	6.0	0	4	5	14	8	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	0	0			
		21	999.6	-	4.0	0.5	7.5	92	5.7	0	5	7	11	8	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	0	0	0		
CAPE WRATH	113	3	998.1	-	5.0	0.9	7.5	86	5.9	0	1	12	8	10	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	0	0	0		
		9	998.3	-	5.2	1.0	7.5	85	6.4	0	0	10	11	10	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	0	0			
		15	998.1	-	5.8	0.9	8.0	86	6.9	0	0	3	15	12	1	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	0	0		
DALCROSS	12	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
WICK	37	3	999.6	-	3.6	0.7	7.1	89	4.8	0	9	7	8	7	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	0	0			
		9	999.7	-12.9	5.0	0.9	7.6	86	6.1	0	3	6	14	7	1	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	0			
		15	999.4	-	6.9	1.9	7.3	73	6.4	0	1	7	16	7	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	0	0	0		
1 SCOTLAND E GRAMPIAN	21	9	1000.0	-	4.1	0.7	7.3	88	5.4	0	6	7	11	7	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	0	0	0		
		15	999.4	-	6.9	1.9	7.3	73	6.4	0	1	7	16	7	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	0	0	0		
		21	1000.0	-	4.1	0.7	7.3	88	5.4	0	6	7	11	7	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	0	0	0	0	
DYCE	59	3	1000.7	-	3.9	0.9	7.0	85	5.9	1	5	2	13	9	1	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	0	0		
		9	1001.1	-12.7	5.6	1.2	7.5	81	6.3	0	3	4	17	7	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	0	0	0		
		15	1000.6	-	7.8	2.3	7.3	69	6.6	0	1	5	14	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	0	0	0		
FRASERBURGH	22	3	1000.7	-	4.6	0.8	7.5	87	5.2	4	5	5	3	13	1	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	0	0		
		9	1001.1	-12.2	5.5	0.9	7.9	86	5.8	0	4	8	8	10	1	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	0	0		
		15	1000.7	-	7.3	1.6	7.9	77	5.9	0	1	10	12	8	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	0	0	0		
KINLOSS	6	3	1000.0	-	4.4	1.2	6.8	81	5.4	0	6	6	12	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							







TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

MARCH 1978

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 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE						N	NE	E	SE	S	SW	W	NW						
									MEAN	0	1-2	3-5	6-7	8											SKY OBSCURED	SPEED (KT)																		
																										34 OR MORE	22-33	11-21	1-10	0														
NUMBER OF OBSERVATIONS																																												
3 EAST ANGLIA -CONTO. ESSEX																																												
SHOEBURYNNESS	5	9	1010.0	-6.5	7.0	1.1	8.5	84	6.1	0	4	4	13	10	0	0	0	0	0	0	2	6	10	10	3	0	1	17	13	0	2	0	1	5	11	8	3							
		15	1009.3	-	9.6	2.2	8.7	72	6.5	0	2	2	21	6	0	0	0	0	0	0	1	3	5	17	5	0	3	17	11	0	3	0	2	2	13	7	2							
		21	1009.9	-	7.0	1.1	8.5	84	4.6	4	4	9	7	7	0	0	0	0	0	0	1	4	4	17	5	0	1	13	17	0	3	0	2	2	13	7	2							
STANSTED	102	3	1009.1	-	4.0	0.7	7.3	88	5.2	3	4	6	7	10	1	0	1	0	1	2	7	11	8	0	0	0	0	22	1	3	0	1	5	10	9	2								
		9	1009.4	-7.0	6.1	1.0	8.1	85	6.2	0	3	5	12	10	1	1	0	0	1	2	0	6	9	8	4	0	0	19	12	0	3	1	0	1	5	8	11	2						
		15	1008.4	-	9.2	2.6	7.9	67	5.8	0	3	9	11	8	0	0	0	0	0	0	0	3	8	13	7	0	4	18	9	0	4	0	1	3	12	9	2							
4 MIDLAND COUNTIES WEST YORKSHIRE	21	3	1009.2	-	6.0	1.2	7.7	81	4.8	3	7	4	9	8	0	0	0	0	0	0	1	8	7	14	1	0	0	9	20	2	0	1	2	1	12	10	2							
		9	1006.3	-	3.2	0.7	6.9	89	6.6	2	0	1	15	13	0	0	0	0	1	0	1	4	20	5	0	4	4	10	11	2	0	0	1	0	7	9	8	4						
		15	1006.7	-	5.2	1.0	7.6	84	6.4	0	1	7	11	12	0	0	0	0	0	1	1	11	12	6	0	0	1	13	17	0	2	1	0	2	10	7	9	0						
MUDDERSFIELD ORAKES	235	9	1005.9	-	7.7	1.9	7.7	74	6.3	1	1	6	9	14	0	0	0	0	0	0	0	6	10	15	0	1	6	11	13	0	0	0	1	7	11	7	5							
		15	1005.9	-	7.7	1.9	7.7	74	6.3	1	1	6	9	14	0	0	0	0	0	0	0	6	10	15	0	1	6	11	13	0	0	0	1	7	11	7	5							
		21	1006.6	-	4.4	0.8	7.3	86	5.3	5	1	6	9	10	0	0	0	1	1	0	2	1	9	17	0	0	5	9	12	5	1	0	1	4	8	8	4							
MILSDEN	267	3	1006.1	-	3.5	0.7	7.1	88	5.6	1	5	6	7	11	1	0	0	1	0	0	1	12	17	0	0	0	3	13	13	2	1	0	0	2	9	6	11	0						
		9	1006.3	-	4.5	0.9	7.3	85	5.8	0	2	11	8	8	2	0	0	0	2	0	1	5	19	4	0	0	5	16	8	2	1	0	0	3	5	10	9	1						
		15	1005.5	-	6.6	1.5	7.6	78	5.8	0	3	7	11	10	0	0	0	0	0	0	0	8	17	6	0	0	5	20	5	1	1	0	0	2	5	12	9	1						
SOUTH YORKSHIRE	21	3	1006.4	-	4.0	0.9	7.0	85	5.1	1	5	10	3	11	1	0	0	0	1	1	0	11	17	1	0	0	2	15	11	3	2	0	1	1	7	11	6	0						
		9	1006.4	-	3.8	0.7	7.2	88	5.0	1	9	2	12	6	1	1	0	0	1	2	0	7	8	8	4	0	1	11	18	1	2	0	0	4	13	3	7	1						
		15	1005.8	-9.0	6.5	1.3	7.9	80	5.9	0	3	6	16	6	0	0	0	0	0	2	1	8	8	11	1	0	2	16	13	0	2	0	2	10	6	6	5							
NOTTINGHAMSHIRE	21	3	1006.6	-	9.7	2.7	8.0	66	6.1	0	3	5	14	9	0	0	0	0	0	0	0	4	10	12	5	0	3	21	7	0	2	0	1	2	6	9	8	3						
		15	1006.6	-	5.6	1.1	7.6	83	4.4	2	9	6	7	7	0	0	0	0	0	0	2	10	6	11	2	0	0	12	18	1	2	0	1	2	7	10	7	1						
		21	1006.6	-	5.6	1.1	7.6	83	4.4	2	9	6	7	7	0	0	0	0	0	0	2	10	6	11	2	0	0	12	18	1	2	0	1	2	7	10	7	1						
WATNALL	119	3	1007.5	-	4.1	0.6	7.5	89	5.3	3	6	3	8	11	0	0	0	0	1	2	3	5	14	6	0	0	0	11	18	2	1	0	0	2	6	11	6	3						
		9	1007.8	-8.0	5.8	1.0	7.9	84	6.2	0	2	6	12	11	0	0	0	0	0	4	4	7	9	7	0	0	0	14	17	0	0	0	1	1	5	15	4	5						
		15	1006.8	-	8.9	2.2	8.1	71	5.5	0	7	8	4	12	0	0	0	0	0	0	0	6	13	6	6	0	1	17	13	0	0	0	1	1	6	12	9	2						
SALOP	21	3	1007.8	-	5.7	1.3	7.5	80	4.6	6	5	5	10	0	0	0	0	0	0	0	3	8	11	9	0	0	0	11	16	4	0	0	0	1	4	14	7	1						
		9	1007.5	-	5.0	0.9	7.7	86	5.7	2	1	9	10	9	0	0	0	0	0	1	0	2	9	19	0	0	1	11	18	1	2	1	1	2	9	7	8	0						
		15	1007.6	-8.2	6.6	1.2	8.1	82	6.0	0	2	8	13	8	0	0	0	0	0	0	2	4	7	16	2	0	3	15	12	1	1	0	0	5	6	8	7	3						
SHAMSBURY	76	3	1006.8	-	9.4	2.2	8.5	72	6.2	0	2	7	13	9	0	0	0	0	0	0	0	3	5	15	8	0	5	17	9	0	2	0	1	2	6	7	10	3						
		15	1006.8	-	5.8	1.2	7.7	82	5.3	2	7	3	13	6	0	0	0	0	0	0	0	2	6	22	1	0	3	9	19	0	2	0	0	3	7	12	4	3						
		21	1007.9	-	5.8	1.2	7.7	82	5.3	2	7	3	13	6	0	0	0	0	0	0	0	2	6	22	1	0	3	9	19	0	2	0	0	3	7	12	4	3						
WEST MIDLANDS	165	3	1008.2	-7.9	5.5	1.2	7.4	81	5.8	0	5	5	10	11	0	0	0	0	1	1	1	9	15	3	1	0	0	15	14	2	3	0	0	1	9	10	4	2						
		9	1007.2	-	8.7	2.8	7.2	64	6.5	0	2	4	16	9	0	0	0	0	0	0	0	5	14	7	5	0	2	17	12	0	1	0	0	2	5	11	7	5						
		15	1008.3	-	6.1	1.6	7.3	76	5.3	4	3	5	12	7	0	0	0	0	0	0	0	6	11	14	0	0	0	14	17	0	0	0	1	4	12	8	0							
EDGBASTON	100	3	1008.2	-	4.1	0.9	7.2	86	5.5	2	3	8	8	10	0	0	0	0	1	2	4	10	12	1	0	0	0	14	14	3	1	0	1	1	8	8	1							
		9	1008.4	-7.6	6.0	1.3	7.7	81	5.5	0	6	6	8	11	0	0	0	0	1	2	5	17	5	1	0	0	2	17	11	1	1	0	0	2	8	10	5	4						
		15	1007.4	-	9.4	3.0	7.3	62	6.2	0	3	4	15	9	0	0	0	0	0	0	0	2	14	12	3	0	3	19	9	0	1	0	0	2	5	11	8	4						
ELDHON	21	3	1008.5	-	5.9	1.5	7.3	77	5.0	3	6	4	11	7	0	0	0	0	0	0	0	6	9	15	1	0	2	10	18	1	1	0	0	2	16	7	2							
		9	1008.5	-	5.9	1.																																						



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

MARCH 1978

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)	WET BULB (DEGREES C)	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS					0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE													
										0	1 - 2	3 - 5	6 - 7	8											SKY OBSCURED	18 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	1010.3	-	-	-	-	-	5.0	3	6	5	6	10	1	0	1	0	0	0	3	1	10	15	1	0	6	11	12	2	1	0	1	1	4	6	14	2	
	9	9	1010.8	-	6.6	0.8	8.7	88	5.9	0	2	10	10	8	1	0	1	0	1	0	0	12	9	8	0	0	1	7	13	10	0	4	0	1	0	5	7	11	3
	15	15	1010.3	-	-	-	-	-	6.8	0	0	5	14	11	1	0	1	0	0	1	1	8	10	10	0	0	0	8	15	8	0	1	2	0	1	5	13	7	2
	21	21	1010.5	-	-	-	-	-	4.8	2	8	7	3	10	1	0	1	0	0	0	2	4	7	17	0	0	0	6	10	14	1	1	1	0	1	2	9	14	2
HANSTON	45	3	1010.1	-	4.5	0.6	7.7	91	5.3	4	4	3	9	10	1	0	0	1	0	0	2	5	10	12	1	0	2	10	19	0	1	1	0	1	5	11	10	2	
	9	9	1010.6	-	6.8	1.0	8.5	85	5.9	0	4	3	13	8	0	0	0	0	1	1	8	11	8	2	0	0	4	14	13	0	3	1	0	2	5	11	8	2	
	15	15	1009.8	-	9.3	2.0	8.8	74	6.3	0	3	3	17	8	0	0	0	0	0	1	6	9	13	2	0	0	8	13	10	0	5	0	1	1	6	10	5	3	
	21	21	1010.5	-	6.2	0.8	8.4	87	5.5	2	6	2	12	9	0	0	0	0	0	3	4	8	16	0	0	0	3	16	12	0	2	2	1	1	5	14	4	2	
HAMPSHIRE																																							
SOUTHAMPTON	9	3	1010.4	-	5.8	0.9	8.1	87	5.8	1	5	4	8	11	2	0	1	1	0	0	2	4	8	14	1	0	1	6	24	0	1	2	1	3	8	5	10	1	
WEATHER CENTRE (X)	9	9	1010.8	-	7.0	1.2	8.4	82	6.1	0	3	7	8	12	1	0	1	0	1	0	3	7	11	5	3	0	0	13	16	2	1	1	1	5	5	2	12	2	
	15	15	1010.0	-	10.1	2.6	8.4	68	6.1	0	4	4	15	8	0	0	0	0	0	0	3	11	14	3	0	0	1	12	18	0	2	1	1	2	8	7	10	0	
	21	21	1011.0	-	7.0	1.1	8.5	83	4.7	3	7	5	6	10	0	0	0	0	1	0	2	5	9	12	2	0	0	7	23	1	0	1	1	0	9	7	9	3	
WEST SUSSEX																																							
GATWICK	60	3	1010.3	-	4.1	0.5	7.7	91	5.2	4	5	3	9	8	2	0	1	1	1	0	1	11	9	6	1	0	1	11	15	4	0	0	0	1	6	11	7	2	
	9	9	1010.5	-6.1	6.1	0.9	8.3	87	6.5	0	2	3	15	11	0	0	0	0	2	0	2	10	9	3	5	0	0	2	16	10	3	2	0	1	2	4	10	6	3
	15	15	1009.7	-	9.5	2.3	8.4	70	6.6	0	1	3	19	8	0	0	0	0	0	0	1	8	6	8	8	0	0	4	16	11	0	2	1	0	1	4	15	6	2
	21	21	1010.6	-	5.9	0.8	8.2	87	4.8	5	6	3	7	10	0	0	0	0	0	4	8	8	8	3	0	0	1	12	15	3	2	0	0	0	3	15	7	1	
EAST SUSSEX																																							
HERSTMONCEUX	28	3	1011.3	-	4.5	0.4	8.0	93	4.9	3	8	3	7	9	1	0	1	0	1	2	1	7	10	7	2	0	4	9	14	4	2	2	0	2	3	9	8	1	
	9	9	1011.8	-	6.5	0.8	8.7	89	6.4	0	1	7	14	7	2	0	2	0	0	1	4	5	8	7	4	0	5	12	10	4	1	0	1	2	6	7	8	2	
	15	15	1011.1	-	8.9	1.6	9.0	78	6.1	0	2	6	18	5	0	0	0	0	0	0	5	11	8	7	0	0	7	14	10	0	3	0	1	1	8	10	7	1	
	21	21	1011.7	-	5.9	0.6	8.5	90	5.0	3	4	9	6	9	0	0	1	0	1	0	3	2	15	7	2	0	5	8	13	5	3	2	0	0	4	12	4	1	
7A ENGLAND NW & I.O.M. -CUMBRIA																																							
CARLISLE	28	3	1004.0	-	5.0	0.7	7.9	89	6.6	1	3	1	11	15	0	0	0	0	0	1	1	7	10	12	0	0	0	11	19	1	2	0	0	4	6	7	11	0	
	9	9	1004.4	-10.6	5.9	1.0	8.0	85	6.4	0	1	6	17	7	0	0	0	0	1	0	2	1	8	16	3	0	0	12	19	0	0	0	2	5	4	3	15	2	
	15	15	1003.5	-	8.1	1.9	8.0	74	6.8	0	1	3	17	10	0	0	0	0	0	0	1	4	4	17	5	0	0	2	16	13	0	1	0	0	2	2	8	13	5
	21	21	1004.4	-	5.5	1.0	7.7	85	6.2	0	4	3	13	10	1	0	0	1	0	1	0	3	8	15	3	0	0	11	19	1	0	2	0	3	3	14	7	1	
LANCASHIRE																																							
SQUIRES GATE	11	3	1005.9	-	5.3	0.5	8.2	91	5.9	2	4	2	12	10	1	0	0	1	1	0	3	3	7	14	2	0	5	14	12	0	1	0	3	6	8	4	9	0	
	9	9	1006.1	-9.1	6.3	0.7	8.6	89	6.5	0	1	5	17	7	1	0	1	0	0	0	2	9	11	8	0	0	0	4	17	10	0	1	1	1	6	6	4	8	4
	15	15	1005.6	-	8.1	1.2	9.0	83	5.5	0	8	3	11	9	0	0	0	0	0	0	5	13	10	3	0	0	1	20	10	0	1	0	0	2	6	9	9	4	
	21	21	1006.2	-	6.0	0.7	8.4	89	6.0	1	4	5	9	12	0	0	0	0	1	0	5	8	16	1	0	0	2	18	10	1	2	0	2	3	8	5	8	2	
GREATER MANCHESTER																																							
MANCHESTER	42	3	1006.4	-	5.8	1.2	7.6	81	5.9	1	2																												







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

MARCH 1978

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	6	25	0	0	0	0	0	0	0	0	4	23	4	0	0	CAMBRIDGE BOTANIC GARDENS	0	0	10	19	2	0	0	0	0	0	0	7	14	10	0	0
LERWICK (SCREEN)	0	6	25	0	0	0	0	0	0	0	0	6	23	2	0	0	EDOBASTON	0	0	20	10	1	0	0	0	0	0	0	3	18	10	0	0
STORNOWAY	0	2	28	1	0	0	0	0	0	0	0	4	20	7	0	0	KEM (PSYCHROMETER)	0	0	9	20	2	0	0	0	0	0	0	6	12	13	0	0
CRAIBSTONE	0	2	21	8	0	0	0	0	0	0	0	8	22	1	0	0	KEM (NORTH-WALL SCREEN)	0	0	11	18	2	0	0	0	0	0	2	16	13	0	0	
ROTHESAY	0	0	30	1	0	0	0	0	0	0	0	2	21	8	0	0	HASTINGS	0	0	24	7	0	0	0	0	0	0	1	17	13	0	0	
ABBOTSINCH	0	0	24	7	0	0	0	0	0	0	0	6	14	11	0	0	SOUTHAMPTON	0	0	10	21	0	0	0	0	0	0	3	15	13	0	0	
ESKDALEMUIR (PSYCHROMETER)	0	4	26	1	0	0	0	0	0	0	0	1	7	19	4	0	STONTHURST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ESKDALEMUIR (SCREEN)	0	3	27	1	0	0	0	0	0	0	0	1	7	18	5	0	VALLEY	0	0	26	5	0	0	0	0	0	0	1	12	18	0	0	
DOUGLAS	0	0	30	1	0	0	0	0	0	0	0	1	20	10	0	0	RHODES	0	0	15	16	0	0	0	0	0	0	5	12	14	0	0	
BOULMER	0	0	22	8	1	0	0	0	0	0	0	3	18	10	0	0	FALMOUTH	0	0	12	19	0	0	0	0	0	0	0	15	16	0	0	
HULL	0	0	8	22	1	0	0	0	0	0	0	2	20	9	0	0	ALDERBOROUGH	0	0	22	9	0	0	0	0	0	0	6	16	9	0	0	
GORLESTON	0	1	16	13	1	0	0	0	0	0	0	2	24	5	0	0	ARRAH	0	0	16	15	0	0	0	0	0	0	6	18	7	0	0	

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

MARCH 1978

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES		DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										HIGHEST VALUES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		ABOVE MSL	ABOVE GROUND EFFECTIVE	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			DUST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
				DATES OF OCCURRENCE					NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS		YEAR FROM N			SPEED-KT	DAY	YEAR FROM N	SPEED-KT	DAY	TIME																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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MARCH 1978

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES		DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										HIGHEST VALUES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		ABOVE MSL	ABOVE GROUND EFFECTIVE	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
				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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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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.



# MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

MET.0.921

UDC 551.506.1 (41-4)

APRIL

31 JAN 1979

1978

VOLUME 95

NUMBER 4

## Cold and rather dull, with snow at times: dry in north-west.

A complex depression over Ireland and south-west England influenced the weather at the beginning of the month, but this soon moved away south-eastwards. Pressure then rose over Scandinavia, and an anticyclone developed to the north of Britain, maintaining an easterly airflow for several days. The anticyclone moved south to Scotland on the 5th, but retreated westwards during the 7th, allowing fronts and depressions to move south or south-east across the British Isles between the 8th and the 14th. Another anticyclone drifted east across all districts between the 15th and the 17th. Frontal troughs from the west or south-west then crossed all areas and a filling depression moved across the Irish Sea on the 20th and 21st. Pressure rose over the British Isles on the 22nd as an anticyclone developed over France and Germany; this drifted northwards and declined over the next few days. A cold front moved slowly southwards on the 24th and 25th, but then a complex area of low pressure persisted to the south of Britain until the end of the month, with fronts gradually progressing northwards.

### Weather

The month was generally cool, particularly during the second week, when snow fell in many areas, and also in the middle of the last week, when there were wintry showers in the north. The weather was mostly changeable and rather dull, although there were some sunny days and it was very dry in the north-west. Easterly winds predominated and fog sometimes persisted along eastern coasts. Hill fog formed extensively at times.

### Wind

Winds were fresh or strong on exposed coasts at times throughout the month, occasionally reaching gale force locally. Recorded maximum gusts exceeded 60 kt on the 9th only, when speeds of 71 and 61 kt respectively were attained at the mountain station at Snaefell (Isle of Man) and at Tiree in the Inner Hebrides. Directions were mainly south-east to north-east during the first week, becoming north to north-west between the 9th and the 14th. Speeds were generally light and directions variable from the 15th to the 17th, but winds then blew mainly from points between south-west and south-east until the 23rd. East to north-east winds prevailed from the 24th until the end of the month.

### Temperature

Monthly mean temperatures were below average in all areas. Departures from the normal were between -2.0 and -2.5 °C over most of eastern and central England and in parts of Wales and Cornwall, and were mostly between -1.0 and -2.0 °C elsewhere. This was the coldest April over England and Wales, as a whole, since 1922. Temperatures were generally near normal during the early part of the month, but it became cold with night frosts during the second week. It was very cold at times, and minima of around -11 °C were recorded in North Wales on the night of the 10th/11th. Temperatures returned to nearer the normal during the third week, although it was sometimes cool in eastern areas. The nights were mild in most districts between the 20th and 23rd, however, and many places recorded their highest daytime temperatures between the 22nd and the 24th, when maxima reached at least 19 °C in parts of southern England. Colder

weather returned to all areas by the 25th and it remained generally cold until the end of the month.

### Rainfall

Rainfall totals were above average in most east coast areas from the Moray Firth to the Wash and in most places south-east of a line from the Wash to Torbay. Totals exceeded 150 per cent of average in parts of eastern Scotland and in east Kent, where twice the normal amount of rain fell in Thanet. Rainfall was below average almost everywhere else, with less than half the usual amount for April falling in the Northern Isles and western Scotland, and also over most of north-west England, the Isle of Man and Northern Ireland. Parts of western Scotland had less than 25 per cent of average, but no long-term records were broken as April 1974 was drier. Many places had rain at the beginning of the month, but it then became mostly dry during the rest of the first week. Outbreaks of rain, wintry showers and thunderstorms which occurred during the second week were followed by a few mainly dry days, but rain reached most areas between the 18th and 21st, the heaviest falls occurring in Wales and south-west England. There was another mainly dry spell from the 22nd to the 24th, but the weather then became unsettled.

### Snow

Falls of sleet or snow were confined to two main periods. Wintry showers occurred in northern areas on the 9th and moderate amounts of snow fell in north-eastern Scotland, where considerable drifting was reported. A depth of 17 cm was measured at Braemore in Caithness on the morning of the 10th and snow fell in many parts of the United Kingdom on that day. There were heavy falls of snow in places and Bedford re-

ported an undrifted depth of 20 cm in the evening. Depths of 5 to 15 cm were measured in level snow at a number of places on the morning of the 11th. Wintry showers continued to occur until the 15th and were again reported between the 25th and the 28th. Occurrences were mainly in the north during the latter period, although scattered falls of sleet and snow, which did not lie, were reported as far south as Wiltshire and Berkshire on the 26th.

### Sunshine

Except in Shetland and in one or two places on western coasts, sunshine was below average in all districts. Monthly totals were between 75 and 100 per cent of the normal in Orkney, the far north of mainland Scotland, in most western parts of the United Kingdom and along Channel-facing coasts of south-east England. Values were mostly between 50 and 75 per cent of average elsewhere. Edinburgh had its dullest April since 1901, but in spite of the generally dull weather, most areas had some sunny periods during the month.

### Fog

Fog occurred most frequently during the first week, from about the 17th to the 24th, and towards the end of the month, but local fog patches occasionally developed at other times. Eastern counties of England and Scotland, and the Midlands, were the most affected areas, and fog formed extensively on coasts and hills at times, persisting in places between the 22nd and the 24th. Six people were killed on the 29th when their private aircraft crashed in fog into a hill near Rochester (Kent).

### Miscellaneous Phenomena

Nil

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						
0 Scotland N	17.2	−7.2	−1.3	−1.0	−1.1	−0.5	−7	52	85
1 Scotland E	14.6	−7.3	−2.7	−0.6	−1.7	−0.1	−2	107	71
2 England E & NE	14.8	−5.8	−3.1	−1.1	−2.1	−0.5	−2	92	62
3 East Anglia	17.3	−5.1	−3.1	−1.1	−2.2	−1.1	0	113	69
4 Midland Counties	16.5	−5.9	−2.9	−1.3	−2.1	−1.1	+2	86	66
5 England SE & Central S	18.8	−5.3	−2.9	−1.2	−2.0	−1.3	+4	128	72
6 Scotland W	17.0	−7.3	−1.6	−1.1	−1.3	−0.5	−6	39	76
7 England NW & Wales N	17.3	−6.0	−1.9	−1.2	−1.5	−1.0	−2	59	82
8 England SW & Wales S	18.5	−4.7	−2.4	−1.3	−1.9	−1.0	+2	86	83
N Ireland	15.2	−4.5	−1.8	−1.2	−1.5	−0.4	−3	48	78
Scotland	17.2	−7.3	−1.9	−0.9	−1.4	−0.4	−5	66	77
England & Wales	18.8	−6.0	−2.7	−1.2	−2.0	−1.0	+1	94	72

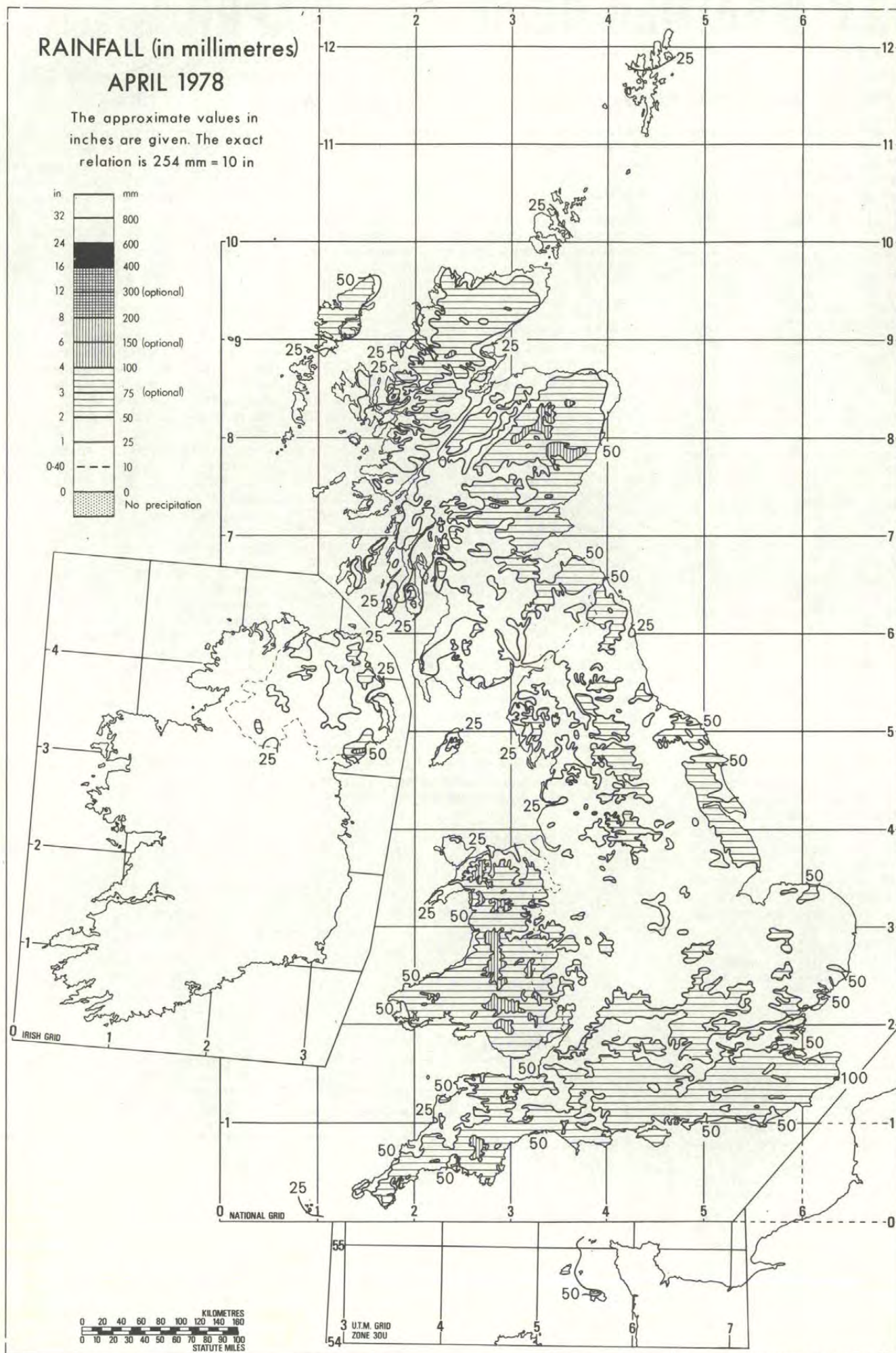
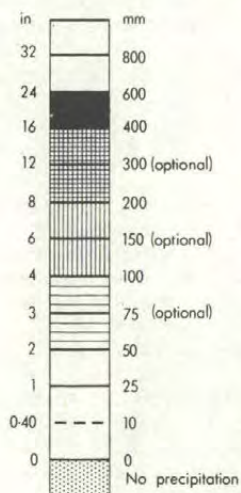
\*Highest maximum and lowest minimum of District Value Stations.



# RAINFALL (in millimetres)

## APRIL 1978

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





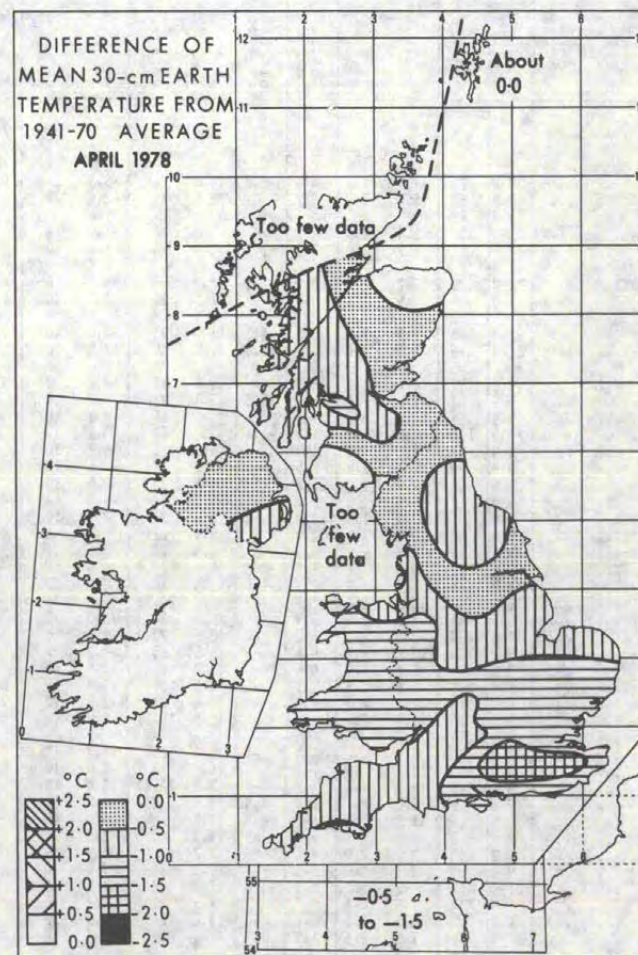
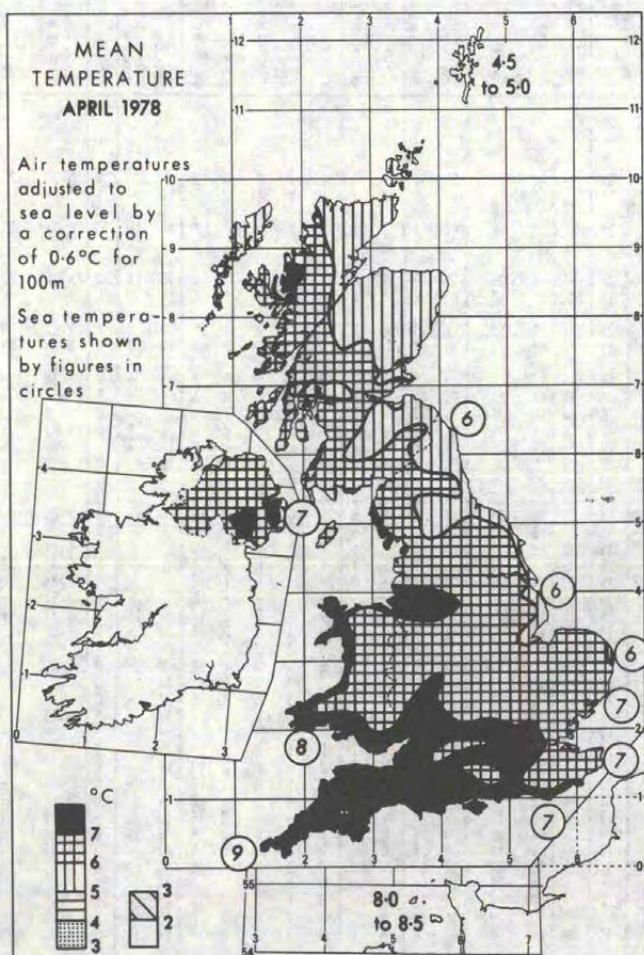
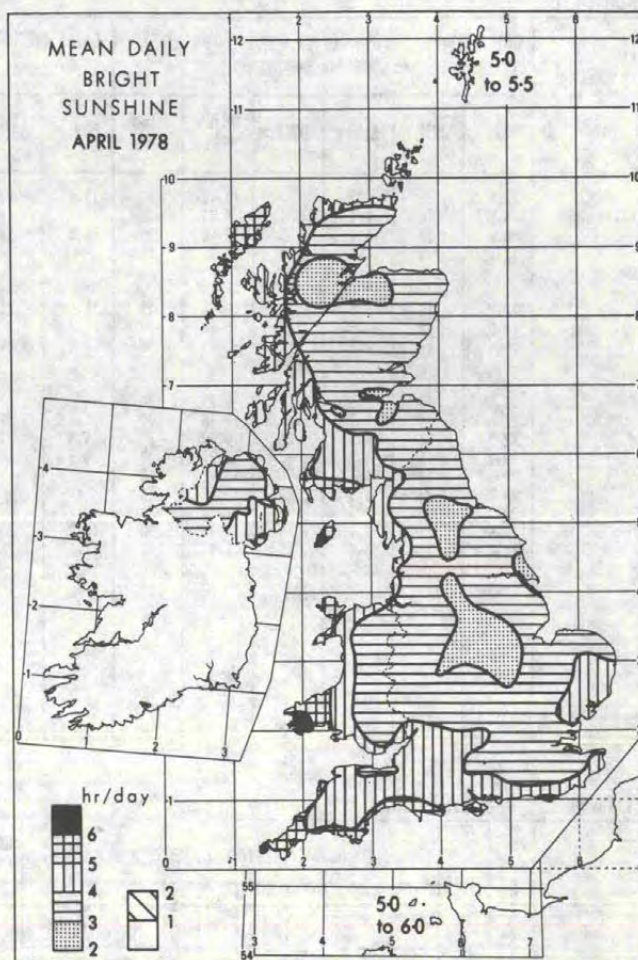
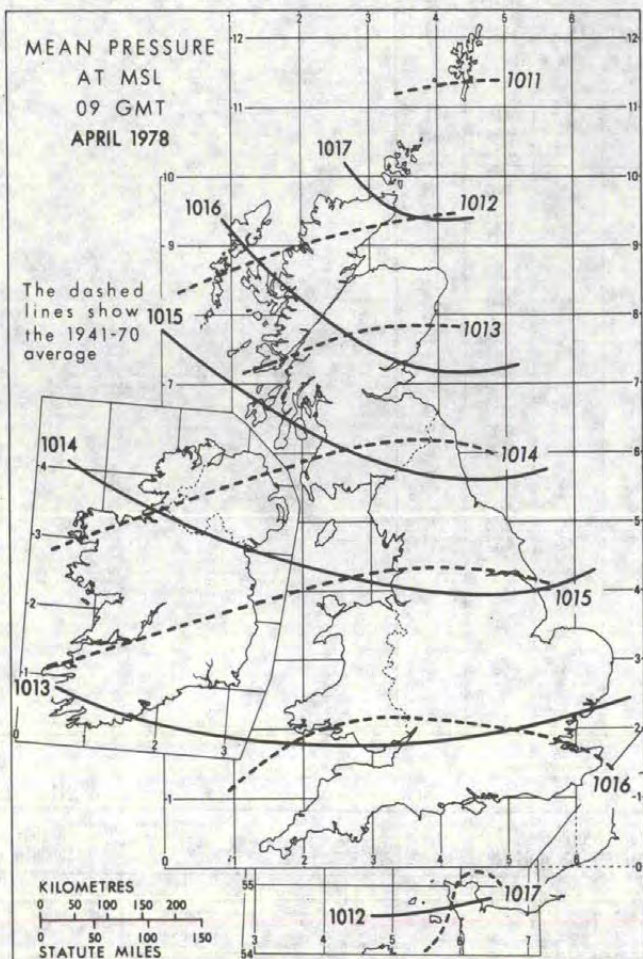




TABLE 2 SOLAR RADIATION

APRIL 1978

STATION	DAILY GLOBAL IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)						DAILY DIFFUSE IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERMICK	22.4	26	3.2	2	12.47	29	10.4	17	3.2	2	6.72	29
ABERDEEN UNIVERSITY	19.3	16	1.1	1	9.83	30						
ESKDALEHAIR	20.2	17	1.8	3	10.46	30	10.3	23	1.8	3	6.52	30
MOOR HOUSE	18.1	23	2.3	3	10.24	30						
SUTTON BONINGTON												
GRAHAM WATER												
ABERPORTH	22.7	15	2.5	30	14.44	29	11.4	22	2.4	30	7.96	29
CARDINGTON	20.0	11	2.3	3	10.66	29	11.2	24	2.3	3	6.75	29
SILSOE	20.4	11	2.3	3	10.63	30	11.4	24	2.3	3	6.86	30
ROTHAMSTED												
GARSTON												
WALLINGFORD	20.2	23	1.5	3	10.09	30						
LONDON WEATHER CENTRE	22.4	23	2.3	3,4,26	10.26	30	9.1	29	2.3	3	6.01	30
KEN	22.3	23	1.9	26	10.29	30	9.8	29	1.9	26	6.27	30
EASTHAMPTON	20.2	6	1.7	26	10.29	30	9.5	16	1.7	26	6.25	30
EAST HALLING	22.3	23	1.6	4	10.44	30						
RUSTINGTON	24.7	23	1.9	26	13.05	30						
WAREHAM	22.7	23	2.3	3	12.10	30						
JERSEY AIRPORT	24.9	22	2.1	4	13.76	30	11.7	27	2.1	4	6.96	30
ALDERGROVE	21.0	24	3.9	18	12.34	30	12.1	23	3.5	18	8.21	30

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

APRIL 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT 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	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	
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																						
0 SCOTLAND N																																
SHEPHERD	9 9	24	7.4	1.5	4.5	-1.4	10.0	24	-3.8	14	5.3	-	33	44	10	16	15	9	8	2	0	0	0	0	8	-	0	5.28	122	-	-	
BALTRAND	9 9	57	6.4	3.1	4.7	-	8.4	24	-3.4	10	5.6	5.6	21	11	16	14	5	7	1	1	8	1	0	7	12	-	4	5.27	-	-	-	
FAIR ISLE	21-9	82																														
LERMICK			6.6	2.0	4.3	-	9.0	23	-3.9	10	-	-	23	-	9	16	13	7	9	1	1	7	0	0	9	16	14	0	5.21	115	-	-
PSYCHROMETER			6.7	1.9	4.3	-1.1	9.0	23	-4.1	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SCREEN																																
ORKNEY																																
KIRKALL AIRPORT	21-9	26	7.8	2.3	5.1	-1.2	12.0	22	-4.5	10	-	-	26	44	5	26	14	10	8	0	3	7	0	0	6	13	13	0	4.16	82	-	-
WEYLAND	9 9	24	7.5	2.7	5.1	-	12.1	22	-3.7	10	6.1	-	19	-	3	13	12	9	7	0	0	1	0	0	6	15	-	-	-	-	-	-
WESTERN ISLES																																
BENBECULA	21-9	6	9.5	3.5	6.5	-1.0	15.4	23	-2.5	10	-	-	21	-	7	12	12	5	8	1	2	1	0	1	5	10	9	1	4.62	80	-	-
STORNOWAY	21-9	15	8.4	3.1	5.7	-1.2	12.9	20	-4.8	10	-	-	37	-	7	12	16	13	7	1	4	3	0	0	5	10	8	0	5.28	104	-	-
HIGHLAND																																
ACHARY	9 9	107	8.4	1.3	4.9	-	16.0	23	-8.2	10	5.2	-	60	-	17	1	16	9	8	1	0	4	0	0	6	15	-	0	3.28	-	-	-
ACHNASHELLACH	9 9	67	9.8	2.4	6.1	-0.8	17.2	23	-7.2	10	-	-	55	35	12	27	12	10	8	3	1	0	0	0	6	-	0	-	-	-	-	-
BALMACHRA	9 9	4	10.8	3.5	7.1	-	15.1	18	-4.4	10	-	-	26	24	10	9	10	7	4	2	0	0	0	0	3	-	0	-	-	-	-	-
CAPE WRATH	21-9	112	7.0	2.7	4.9	-1.4	12.2	22	-3.3	10	-	-	42	58	8	9	14	10	8	5	0	5	0	2	6	6	7	0	4.83	-	-	-
CASSLEY	9 9	99	8.1	1.3	4.7	-	14.5	23	-6.0	10	-	-	44	-	12	9	13	9	-	-	-	-	-	-	8	16	-	-	-	-	-	-
CORPACH	9 9	8	10.7	2.4	6.5	-	17.2	22	-4.5	10	-	-	21	-	5	26	9	11	7	3	0	0	1	0	5	16	-	0	-	-	-	-
CRAIGDARROCH	9 9	38	9.9	1.7	5.8	-	17.8	23	-6.4	10	-	-	49	-	27	12	8	7	3	3	0	0	0	0	9	14	-	0	-	-	-	-
DALCROSS	9 9	11	8.8	2.5	5.7	-	13.7	22	-4.0	10	-	-	21	-	7	25	9	8	-	0	-	-	-	0	3	13	-	0	-	-	-	-
DALWHINNIE	9 9	351	7.2	-1.3	2.9	-	12.6	22	-8.0	10	-	-	23	-	6	27	12	6	9	6	0	0	0	0	19	20	-	0	3.28	-	-	-
DIABRIG	9 9	60	10.5	3.9	7.2	-	15.9	22	-4.0	10	-	-	35	-	13	9	9	7	7	3	0	2	0	-	4	-	0	-	-	-	-	-
DOUNREAY	9 9	21	8.5	2.4	5.5	-	12.5	23	-3.5	11	-	-	39	78	13	9	11	8	2	0	0	1	0	0	6	12	-	0	4.17	-	-	-
FORT AUGUSTUS	9 9	21	9.5	2.3	5.9	-1.2	16.8	22	-6.6	10	-	-	16	-	4	27	10	7	5	1	0	2	0	0	8	-	0	3.05	72	-	-	-
FORTROSE	9 9	5	7.7	4.0	5.9	-1.4	12.5	16	0.0	10	-	-	24	59	7	25	10	7	-	0	-	-	-	1	0	-	-	0	2.83	58	-	-
GEISGILL	9 9	12	10.1	2.4	6.3	-	15.2	21,22	-2.6	11	-	-	36	-	11	10	12	8	-	-	-	-	-	5	-	-	0	4.91	-	-	-	-
GLENMORE LODGE	9 9	341	7.8	-0.4	3.7	-	14.6	22	-10.0	10	-	-	65	13	9	14	10	9	7	0	4	0	0	17	21	18	0	3.37	-	-	-	-
GRANTOWN-ON-SPEY	9 9	229	8.3	0.1	4.2	-	15.5	22	-10.1	10	-	-	39	-	7	9	18	10	8	5	0	3	0	0	15	21	-	0	2.82	-	-	-
HEARST	9 9	109	10.0	2.2	6.1	-	15.5	23	-1.9	11	-	-	33	-	11	9	9	8	6	3	3	2	0	0	6	16	-	0	-	-	-	-
INVERNESS	9 9	4	8.9	3.9	6.4	-	13.8	16	-2.6	10	-	-	15	36	3	10,27	10	6	3	0	0	0	0	1	2	8	-	0	2.90	-	-	-
INVERPOLLY	9 9	14	9.4	2.9	6.1	-	14.4	22	-5.0	10	6.3	-	39	-	13	9	10	6	5	3	0	0	0	0	7	12	-	0	-	-	-	-
ISLE OF RHUM	9 9	5	9.9	1.7	5.8	-	14.8	23	-3.6	10	7.3	7.1	23	15	6	12	8	7	4	1	0	0	0	0	5	22	-	0	-	-	-	-
KEISS	9 9	30	7.7	2.4	5.1	-	10.2	16,17	-5.8	10	5.8	5.6	26	-	10	9	10	6	7	4	2	3	0	1	8	11	-	0	4.23	-	-	-
KNOCKANROCK	9 9	244									-	-	47	31	(11)	9	15	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAGGANLIA	9 9	250	8.9	-0.6	4.1	-	15.2	23	-8.7	10	-	-	21	-	5	27	12	10	10	2	0	1	0	1	17	22	-	0	-	-	-	-
LAIRG	9 9	107	8.5	1.0	4.7	-	16.9	23	-8.0	10	5.8	5.4	61	-	23	1	17	12	8	2	2	0	0	0	10	14	-	0	-	-	-	-
LENTAN	9 9	146	8.3	1.3	4.8	-	13.8	22,23	-6.0	10	-	-	20	-	6	27	13	7	7	2	0	5	0	1	10	18	-	0	-	-	-	-
MAIRN	9 9	6	8.6	2.1	5.3	-1.9	12.8	8	-5.4	10	-	-	33	88	12	25	10	8	7	0	1	6	0	0	8	14	-	0	3.17	62	-	-
ONICH	9 9	15	11.2	2.2	6.7	-0.6	17.0	4	-6.5	10	-	-	17	12	4	13	7	7	-	1	-	-	-	0	6	17	-	0	3.43	81	-	-
POOLEE	9 9	6	10.3	3.3	6.8	-	15.7	17	-3.0	10	-	-	29	-	7	9	9	7	8	3	0	5	0	0	4	3	-	0	4.90	-	-	-
PRABOY	9 9	67	9.9	2.9	6.4	-	16.2	22	-3.9	10	-	-	19	17	4	12	9	6	6	3	0	7	0	0	4	17	-	0	4.73	-	-	-
STRATHCONON	9 9	107	9.5	1.4	5.5	-	17.3	23	-7.6	10	-	-	71	-	30	27	16	13	6	3	0	2	0	-	9	-	0	-	-	-	-	-
TARBATNESS	21-9	18	7.5	3.2	5.3	-1.8	11.6	8	-1.5	10	-	-	16	-	4	25	10	6	7	0	0	2	0	1	3	-	0	-	-	-	-	-
TOMATIN	9 9	311	7.5	-0.2	3.7	-	14.5	22	-9.7	10	-	-	32	-	8	9	14	11	10	-	0	4	0	-	16	-	0	-	-	-	-	-
TORRISDALE	9 9	27	8.3	2.0	5.1	-	13.4	21	-4.0	10	-	-	44	-	10	9	14	11	8	1	0	1	0	0	8	15	-	0	4.12	-	-	-
WICK	21-9	36	7.5	2.3	4.9	-1.5	11.5	8	-6.2	10	-	-	35	80	14	9	11	8	8	2	0	8	0	1	9	13	11	0	4.03	78	-	-



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

65  
APRIL 1978

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	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
					MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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TABLE 3 SUMMARY OF DAILY OBSERVATIONS

APRIL 1978

DISTRICT REGION/COUNTY AND PLACE			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		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	AMOUNT (MM)	DATE	PRECIP- ITATION	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
					MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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APRIL 1978

DISTRICT REGION/COUNTY AND PLACE		MAX. TERMINAL HEIGHT OF OBSERVATION (METRES)	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 24 H)	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	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	ORASS 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																
2 ENGLAND E & NE -CONTINUED																																	
DURHAM		99	102	9.4	2.4	5.9	-1.6	14.4	23	-3.8	11	6.8	6.7	34	86	12	26	13	6	0	0	0	0	2	5	10	20	9	0	3.26	69	S	
DURHAM ...		99	155	8.3	1.1	4.7	-	14.1	19	-4.7	11	5.9	6.2	36	-	11	27	10	7	6	1	1	1	0	4	10	20	9	0	-	-	-	
WIDDYBANK FELL ...		99	513	6.2	-0.5	2.9	-	11.7	23	-7.8	11	3.3	-	59	-	20	19	16	9	4	5	0	0	0	4	14	23	0	0	2.97	-	-	
CLEVELAND		99	31	9.3	2.0	5.7	-	15.5	19	-5.1	11	-	-	29	84	16	26	10	3	2	0	0	0	0	2	7	15	-	0	2.83	-	-	
HARTBURN GRANGE		99	9	8.3	3.5	5.9	-2.4	14.0	17	-2.9	11	-	-	29	77	14	26	11	5	5	0	0	0	0	1	3	-	0	3.70	-	-		
HARTLEPOOL ...		99	9	8.3	3.5	5.9	-2.4	14.0	17	-2.9	11	-	-	29	77	14	26	11	5	5	0	0	0	0	1	3	-	0	3.70	-	-		
NORTH YORKSHIRE		99	33	9.7	2.2	5.9	-	14.4	19	-5.6	11	-	-	33	76	11	26	10	8	4	0	0	0	0	0	7	15	-	0	3.42	72	-	
ASKHAM BRYAN		99	6	9.7	2.5	6.1	-	14.4	19	-4.5	11	6.9	6.8	37	90	10	26	10	7	3	0	0	0	0	1	6	13	-	0	3.07	-	-	
CANWOOD		99	6	9.7	2.5	6.1	-	14.4	19	-4.5	11	6.9	6.8	37	90	10	26	10	7	3	0	0	0	0	1	6	13	-	0	3.07	-	-	
HIGH MOWTHORPE		99	175	8.0	2.0	5.0	-	12.7	19.22	-4.6	11	5.8	-	50	102	21	26	13	7	3	1	0	0	0	4	6	12	-	0	3.13	-	-	
LEEMING		21-9	32	9.4	2.7	6.1	-	15.3	19	-4.6	11	6.9	6.7	32	76	8	27	12	8	5	0	0	1	1	2	6	10	7	0	2.96	-	-	
MALHAM TARN		99	395	7.2	0.6	3.9	-1.8	11.5	24	-5.5	11	4.9	-	-	-	-	-	-	-	5	4	0	1	0	1	8	18	-	0	-	-	-	
PICKERING		99	44	9.5	2.1	5.8	-	14.6	17	-4.4	13	-	-	33	75	12	26	11	9	6	1	0	0	0	0	6	14	-	0	-	-	-	
SCARBOROUGH		99	52	8.2	3.3	5.7	-	13.5	17	-2.5	11	7.3	7.1	49	116	19	26	12	8	3	0	1	0	0	1	3	10	-	0	-	-	-	
SILPHO MOOR		99	203	7.5	1.6	4.5	-	13.5	17	-5.2	11	5.5	-	57	102	28	26	14	8	1	2	0	0	0	4	5	21	-	0	3.32	-	-	
SNARZEHOLME		99	290	7.0	0.5	3.7	-	12.4	23	-5.9	11	5.3	-	32	-	11	1	13	7	3	2	0	0	0	1	10	17	-	0	3.39	-	S	
WHITBY		99	41	8.0	2.7	5.3	-	12.8	23	-3.2	11	-	-	34	-	16	26	13	6	7	1	0	4	0	2	4	-	0	3.62	-	-	-	
WHITBY (COASTGUARD)		21-9	60	7.4	2.3	4.9	-	11.9	17	-2.6	11	-	-	29	-	13	26	15	5	5	1	0	0	0	4	4	9	4	1	-	-	-	
YORK (HESLINGTON)		99	19	9.9	1.1	5.5	-	14.7	19.22	-5.5	11	7.2	7.1	40	97	14	26	10	8	2	0	0	0	0	1	8	15	-	0	3.48	-	-	
HUMBERSIDE		99	48	7.5	2.5	5.0	-	10.5	9	-3.6	12	-	-	50	103	25	26	11	8	5	0	0	2	0	2	5	10	-	2	3.60	-	-	
BRIDLINGTON		99	7	8.5	3.5	6.0	-2.4	13.6	17	-1.1	11	-	-	50	119	25	26	11	8	-	0	-	-	-	1	2	-	-	0	2.74	52	-	
CLEETHORPES		99	7	8.5	3.5	6.0	-2.4	13.6	17	-1.1	11	-	-	50	119	25	26	11	8	-	0	-	-	-	1	2	-	-	0	2.74	52	-	
HULL		99	2	9.4	3.4	6.4	-2.3	13.5	22	-2.3	11	7.7	7.5	51	111	26	26	12	7	3	0	0	1	0	1	3	8	-	0	3.02	63	-	
LINCOLNSHIRE		21-9	108	8.0	2.4	5.2	-	12.3	17	-3.9	11	-	-	58	116	23	26	12	8	7	2	0	2	0	4	6	12	7	0	3.24	-	-	
BINBROOK		99	21	9.4	2.8	6.1	-	14.3	19	-4.0	11	-	-	49	-	20	26	11	9	-	-	-	-	-	6	-	-	-	0	-	-	-	
CAISTON		99	21	9.4	2.8	6.1	-	14.3	19	-4.0	11	-	-	49	-	20	26	11	9	-	-	-	-	-	6	-	-	-	0	-	-	-	
CRANWELL		99	62	9.3	2.2	5.7	-2.4	14.0	2	-3.6	11	6.8	6.5	33	80	8	13	10	8	5	0	0	1	0	2	6	14	12	0	2.90	55	-	
KIRTON		99	4	9.3	2.5	5.9	-	13.4	2	-3.5	11	7.0	7.1	36	-	10	13	9	7	4	1	0	1	0	0	7	12	-	0	3.54	-	-	
LINCOLN		99	6	9.6	2.3	5.9	-2.4	14.3	22	-5.8	11	6.9	6.6	28	-	8	13	9	7	4	0	0	0	0	0	6	13	-	0	(3.18)	-	-	
SKEGNESS		99	5	8.1	3.9	6.0	-2.1	12.0	17	-1.5	13	-	-	51	128	22	26	11	9	1	0	0	0	0	0	1	7	-	0	3.40	62	-	
SUTTON BRIDGE		99	4	9.8	3.0	6.4	-	14.8	23	-2.8	11	-	-	41	105	13	13	9	8	3	0	0	0	0	0	4	13	-	0	-	-	-	
MADDINGTON		21-9	68	9.1	2.5	5.8	-2.5	13.5	22	-4.0	11	-	-	31	75	8	26	9	7	7	0	0	1	0	2	5	14	10	0	3.10	58	-	
3 EAST ANGLIA																																	
NORFOLK		21-9	17	9.1	3.2	6.1	-	14.6	2	-2.3	13	-	-	38	96	12	13	10	6	6	0	0	3	0	4	3	13	6	0	-	-	-	
COLTISHALL		99	54	8.8	3.4	6.1	-2.2	13.9	17	-1.3	12	-	-	46	112	12	26	12	8	1	0	0	0	0	4	3	8	-	0	3.76	68	-	
CROMER		99	2	7.8	4.0	5.9	-2.2	10.5	22	-1.0	13.14	-	-	35	91	13	13	9	7	3	0	0	2	0	5	3	-	-	0	3.52	62	-	
GORLESTON		99	2	7.8	4.0	5.9	-2.2	10.5	22	-1.0	13.14	-	-	35	91	13	13	9	7	3	0	0	2	0	5	3	-	-	0	3.52	62	-	
MARHAM		21-9	23	9.6	2.9	6.3	-	14.7	2.23	-4.5	13	-	-	39	-	12	26	9	7	6	0	1	1	0	0	6	12	11	0	3.94	-	-	
MORLEY ST BOTOLPH		99	46	9.6	2.7	6.1	-	15.1	2	-3.4	13	7.3	-	38	-	14	13	9	6	2	0	0	0	0	3	7	-	-	0	4.34	-	-	
SANTON DOWNHAM		99	24	10.2	1.5	5.9	-	15.6	23	-7.2	13	6.6	6.6	51	127	19	13	12	8	-	0	-	-	-	0	9	22	-	-	0	3.75	-	-
SCOLE		99	27	10.1	3.0	6.5	-	16.5	2	-3.5	13	7.5	7.6	35	-	15	13	10	6	4	0	0	2	1	2	5	10	-	0	4.21	-	-	
TERRINGTON ST CLEMENT		99	3	9.7	1.2	6.2	-1.2	14.8	2	-4.0	13	7.2	-	37	101	12	26	12	6	2	0	0	0	0	1	4	14	-	0	3.92	74	-	
CAMBRIDGESHIRE		99	53	9.9	2.3	6.1	-	16.2	24	-3.5	11	-	-	41	115	12	13	14	9	2	1	0	0	0	4	6	13	-	0	3.41	-	-	
BOXMOUTH		99	53	9.9	2.3	6.1	-	16.2	24	-3.5	11	-	-	41	115	12	13	14	9	2	1	0	0	0	4	6	13	-	0	3.41	-	-	
CAMBRIDGE		99	12	10.6	2.9	6.7	-1.2	17.3	24	-3.1	13	7.6	7.6	47	(130)	13	13	(11)	(10)	3	1	0	0	0	0	6	12	-	0	-	-	-	
BOTANIC GARDEN		99	12	10.6	2.9	6.7	-1.2	17.3	24	-3.1	13	7.6	7.6	47	(130)	13	13	(11)	(10)	3	1	0	0	0	0	6	12	-	0	-	-	-	
NATIONAL INSTITUTE OF</																																	



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

APRIL 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (HGMT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE HSL (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	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
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE															
4 MIDLAND COUNTIES																															
WEST YORKSHIRE																															
BRADFORD ...	9 9	134	8.9	2.7	5.8	-1.9	13.1	23	-3.5	11	6.4	6.3	50	85	13	30	15	11	4	1	0	0	0	2	4	12	0	0	3.07	67	S
BRAMHAM ...	9 9	54	9.7	2.2	5.9	-	14.9	19	-4.4	11	-	-	44	96	10	26	10	9	4	0	1	0	0	1	7	15	0	0	-	-	-
HUDDERSFIELD (OAKES)	21-9	232	8.8	1.9	5.3	-2.1	14.2	19	-4.6	11	6.0	5.5	52	74	16	30	16	10	8	2	3	1	1	7	6	14	11	0	2.53	58	-
ILKLEY ...	9 9	83	9.5	2.8	6.1	-1.7	14.0	19	-3.5	11	-	-	46	74	8	1	12	11	6	0	0	1	0	3	6	7	0	0	2.65	58	-
PONTEFRAC ...	9 9	78	9.2	3.0	6.1	-2.0	13.6	19	-3.1	11	-	-	31	76	8	30	12	11	7	6	0	0	0	2	4	0	0	0	-	-	-
TODMORDEN ...	9 9	160	8.8	2.3	5.5	-	13.6	23	-5.3	11	-	-	34	-	7	19	16	11	5	2	0	2	1	1	6	0	0	0	-	-	-
WILSON ...	9 9	262	7.7	1.7	4.7	-	13.0	23	-5.0	11	-	-	44	-	12	30	15	11	5	3	0	1	0	6	6	14	8	0	-	-	-
SOUTH YORKSHIRE																															
FINNINGLEY	21-9	10	9.7	2.8	6.3	-	14.7	19	-2.6	11	-	-	34	85	8	13	11	9	3	0	0	1	0	1	6	16	10	0	3.22	-	-
SHEFFIELD																															
DORE ...	9 9	206	8.9	2.5	5.7	-	13.1	17	-3.4	11	-	-	55	-	12	2	15	10	6	3	1	5	0	4	4	12	-	0	-	-	-
WESTON PARK ...	9 9	131	9.4	3.0	6.2	-2.1	14.2	19.23	-2.9	11.12	7.1	6.9	47	88	14	30	18	8	4	3	0	0	0	-	6	-	-	0	3.00	70	-
DERBYSHIRE																															
ASHOVER ...	9 9	178	8.7	2.4	5.5	-	12.5	17.19	-3.9	11	-	-	45	-	7	19	16	12	5	3	0	0	0	3	6	13	-	0	2.96	-	-
BUXTON ...	9 9	307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DERBY ...	9 9	48	9.7	3.1	6.4	-	14.0	23	-3.0	11	-	-	35	78	7	19	15	9	3	2	0	0	0	0	4	12	-	0	2.70	-	-
WINGERMOUTH	9 9	116	9.1	2.2	5.7	-	12.9	2	-3.5	11	6.6	-	44	-	11	13	16	11	4	2	0	1	0	2	10	16	-	0	2.97	-	-
NOTTINGHAMSHIRE																															
MANFIELD ...	9 9	114	9.4	2.7	6.1	-2.1	13.0	19.21	-3.5	11	-	-	43	-	9	13	17	10	3	2	0	0	0	1	5	12	-	0	-	-	-
NEATHORPE ...	9 9	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOTTINGHAM ...	9 9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUTTON BONINGTON	9 9	48	9.7	2.1	5.9	-2.4	13.7	22	-3.9	11	7.0	7.0	25	57	7	13	14	9	3	0	0	1	0	0	7	16	12	0	3.00	64	-
WARSOP ...	9 9	46	9.4	2.4	5.9	-	13.5	19	-3.0	11	-	-	41	97	9	13	15	8	3	1	0	0	0	3	9	17	-	0	2.86	-	-
WATNALL ...	21-9	117	9.2	2.7	5.9	-2.4	13.8	19	-3.3	11	-	-	40	84	9	19	16	11	5	1	0	0	0	2	5	13	9	0	2.79	81	-
STAFFORDSHIRE																															
KEELE ...	9 9	179	8.8	2.6	5.7	-	13.0	24	-4.1	11	6.3	6.2	33	63	7	11	13	9	4	1	0	0	0	0	7	14	10	0	3.55	-	S
OAKEN ...	9 9	125	9.4	2.1	5.7	-2.2	13.7	23	-4.4	11	7.0	-	40	84	7	11	14	11	6	0	0	2	0	1	9	13	-	0	-	-	S
PENKEDGE ...	9 9	101	9.5	1.4	5.5	-	13.4	23	-7.0	11	-	-	40	86	6	11	15	11	4	0	0	0	0	0	11	13	-	0	-	-	-
STONE ...	9 9	107	9.2	2.8	6.0	-	13.2	17	-5.3	11	-	-	34	67	7	19	15	9	4	1	1	0	0	1	6	13	-	0	3.50	-	-
LEICESTERSHIRE																															
CALDECOTT ...	9 9	53	9.5	2.5	6.0	-	13.9	23	-3.8	13	-	-	38	97	9	13	13	9	3	0	0	0	0	4	7	15	-	0	2.54	-	-
NEWTOWN LINCOLN	9 9	119	9.4	2.4	5.9	-	14.1	23	-3.5	11	-	-	29	62	7	13.19	12	9	3	1	0	3	0	2	7	16	-	0	2.70	-	-
SALOP																															
HAMPTON LODGE ...	9 9	70	(10.3)	(2.3)	(6.3)	-	14.6	23	-3.7	11	-	-	41	-	8	25	14	11	-	-	-	-	-	-	8	-	-	-	-	-	-
NEWPORT ...	9 9	64	9.8	2.7	6.3	-1.6	13.7	23	-5.6	11	-	-	32	77	6	1	13	8	5	0	0	1	0	0	8	14	-	0	-	-	-
OSMESTRY ...	9 9	174	8.8	2.6	5.7	-2.2	13.0	24	-3.1	11	-	-	53	94	13	1	14	10	5	1	0	0	0	0	2	13	-	0	3.18	63	-
PRESTON MONTFORD	9 9	67	10.2	2.4	6.3	-	14.2	23	-4.8	11	7.7	7.3	43	-	10	1	15	12	1	0	0	0	0	0	9	-	-	0	3.82	-	-
SHAWBURY ...	21-9	72	10.2	2.5	6.3	-1.9	15.0	22	-5.9	11	-	-	35	81	7	1	14	9	4	0	0	0	0	0	11	13	11	0	3.37	67	-
SHREWSBURY ...	9 9	56	9.8	2.7	6.3	-2.2	14.4	23	-4.3	11	8.0	8.0	37	89	5	11	14	11	2	0	0	0	0	1	9	12	-	0	3.29	67	-
WEST MIDLANDS																															
BIRMINGHAM																															
EDGBASTON ...	21-9	163	8.9	3.2	6.1	-2.4	13.8	23	-3.2	11	6.1	-	45	83	6	13	16	13	5	1	0	2	0	2	3	10	9	0	2.92	64	-
ELMDON AIRPORT	21-9	96	9.5	2.5	6.0	-2.1	13.8	23	-4.3	11	-	-	34	-	6	11	14	9	5	0	0	0	0	0	9	13	10	0	3.27	66	-
KING EDWARD'S SCHOOL	9 9	137	9.6	2.7	6.1	-	13.5	17.23	-2.0	10	-	-	51	102	7	13	19	16	-	0	-	-	-	1	6	-	-	-	-	-	-
COVENTRY AIRPORT	9 9	81	9.6	2.4	6.0	-	13.9	23	-3.4	11	6.9	6.9	35	-	8	19	15	12	4	1	0	0	0	0	8	-	-	0	3.37	-	-
WARWICKSHIRE																															
LUDDINGTON ...	9 9	56																													



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE			MAX. OF OBSERVATION MIN.	TERMINAL (HIGHT) MIN.	HEIGHT OF STATION ABOVE HSL (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	0-2 MM OR MORE	1-0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	MAIL	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.	DATE	MIN.	DATE																					
						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	PRECIP- ITATION	0-2 MM OR MORE	1-0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	MAIL	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		



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

APRIL 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HGT. OF OBSERVATION (M)	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	AMOUNT (MM)	DATE	PRECIP- ITATION	0.2 MM OR MORE IN LAST 24 HRS	0.5 MM OR MORE IN LAST 24 HRS	0.1 MM OR MORE IN LAST 24 HRS	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
7A ENGLAND NM & I.O.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								



DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (HGMT) 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 24 H)	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 AMOUNT (MM)	DATE	PRECIP- ITATION 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	DRY	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE							
			MAX. (A)	MIN. (B)			MAX.	DATE																					MIN.	DATE					
8A WALES CONTINUED																																			
WEST GLAMORGAN																																			
MUMBLES HEAD ...	21-9	36	10.1	4.8	7.5	-	15.0	24	-2.1	11	-	-	68	87	18	20	12	11	2	0	0	1	0	0	1	2	2	2	2	2	2	2	2	2	2
NEATH ...	9-9	62	10.6	3.9	7.3	-	17.5	24	-2.0	11	-	-	68	87	18	20	12	11	2	0	0	1	0	0	0	1	2	2	2	2	2	2	2	2	2
PENMAEN ...	9-9	87	10.7	3.8	7.3	-	17.5	24	-2.8	11	8.4	8.3	60	81	13	17	15	9	3	0	0	2	0	0	1	3	12	11	0	0	0	0	0	0	4.91
PORT TALBOT ...	9-9	5	11.6	4.2	7.9	-	18.4	24	-3.2	11	-	-	56	82	15	17	13	10	2	0	1	0	0	0	0	2	9	9	9	9	9	9	9	5.00	
SWANSEA ...	9-9	10	10.8	4.4	7.6	-1.9	18.5	24	-2.0	11	8.8	9.2	58	83	15	20	16	12	0	0	0	0	0	0	0	1	6	15	1	1	1	1	1	4.00	
WHITEFORD BURROWS ...	9-9	5	11.1	3.9	7.5	-	17.7	24	-2.1	11	-	-	54	-	11	17.19	18	10	2	0	0	0	0	0	1	6	15	1	1	1	1	1	1	5.00	
MID GLAMORGAN																																			
ABERDARE FILTER STATION	9-9	174	9.0	2.5	5.7	-	15.4	24	-4.0	11	-	-	96	-	30	20	16	12	1	0	-	-	-	-	6	6	11	6	0	0	0	0	0	2.95	
CILFYNYDD ...	21-9	194	9.5	3.0	6.3	-	16.2	24	-4.0	11	-	-	83	-	16	19	14	11	1	0	-	-	-	-	2	5	11	6	0	0	0	0	0	3.78	
LLWYNON ...	9-9	241	8.5	1.7	5.1	-	14.6	24	-4.4	11	-	-	97	91	29	20	16	14	3	0	0	0	0	0	6	8	0	0	0	0	0	0	0	5.36	
PORTCRAWL ...	9-9	6	11.0	4.1	7.5	-	18.3	24	-2.0	11	-	-	72	116	15	30	12	12	0	0	0	0	0	0	0	2	-	-	-	-	-	-	-	5.36	
SOUTH GLAMORGAN																																			
BRIDGEND ...	9-9	40	10.5	3.5	7.0	-	17.5	24	-3.8	11	8.4	8.1	70	-	15	20	16	13	1	0	0	1	0	0	1	7	13	-	0	0	0	0	0	-	
CARDIFF (BUTE PARK) ...	9-9	9	11.0	3.6	7.3	-	17.8	24	-3.4	11	-	8.7	64	-	15	19	17	11	0	0	0	0	0	0	0	4	16	-	0	0	0	0	0	3.88	
RHOSE AIRPORT ...	21-9	67	10.1	3.5	6.8	-	17.0	24	-4.2	11	-	-	59	-	14	19	15	12	3	0	0	0	0	0	0	4	10	8	0	0	0	0	0	4.71	
Gwent																																			
CRUMBLAND ...	9-9	245	9.4	2.4	5.9	-	15.4	24	-4.5	11	6.5	6.6	57	84	13	17	15	9	0	0	0	0	0	0	9	5	15	-	0	0	0	0	0	4.18	
USK ...	9-9	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8B ENGLAND SW																																			
AVON																																			
BATH ...	9-9	118	-	-	-	-	-	-	-	-	8.1	-	46	94	9	25	13	9	-	0	-	-	-	-	2	-	-	-	-	-	-	-	-	-	
FILTON ...	21-9	59	10.2	3.3	6.7	-2.2	17.1	24	-4.0	11	-	-	43	89	9	19	15	13	2	0	0	0	0	0	0	4	11	10	0	0	0	0	0	4.05	
LONG ASHTON ...	9-9	51	10.5	3.2	6.9	-2.0	17.5	24	-4.7	11	7.8	-	44	81	8	19	16	15	1	0	0	1	0	0	0	6	11	0	0	0	0	0	0	4.10	
SOMERSET																																			
CANNINGTON ...	9-9	28	10.9	3.7	7.3	-1.9	17.0	24	-2.5	11	8.8	-	61	124	14	29	14	12	0	0	0	0	0	0	0	3	-	-	0	0	0	0	0	3.92	
CREWKERNE ...	9-9	101	9.6	3.1	6.3	-	17.5	24	-3.7	11	7.5	-	61	-	9	29	15	14	1	0	0	0	0	0	0	3	-	-	0	0	0	0	0	-	
DOWNSIDE ABBEY ...	9-9	183	9.4	2.7	6.1	-	17.6	24	-4.5	11	-	-	64	94	12	19	16	13	1	0	0	0	0	0	3	6	-	-	0	0	0	0	0	-	
EXTON ...	21-9	329	8.3	2.2	5.3	-	16.7	24	-4.1	11	-	-	62	-	11	25	19	15	4	1	2	1	0	0	5	6	13	9	0	0	0	0	0	-	
HAWKRIIDGE ...	9-9	314	8.1	2.2	5.1	-	15.7	24	-3.6	11	-	-	64	67	12	19	15	18	0	0	0	1	0	0	5	6	18	-	0	0	0	0	0	3.80	
NETTLECOMBE ...	9-9	96	9.9	3.2	6.5	-	19.3	24	-3.5	11	8.5	-	49	-	9	19	15	11	1	0	0	0	0	0	1	3	-	-	0	0	0	0	0	-	
NETTLECOMBE(BIRDS HILL) ...	9-9	280	8.0	2.7	5.3	-	17.1	24	-3.1	11	-	-	50	-	10	19	16	11	3	0	0	0	0	0	6	3	11	-	0	0	0	0	0	-	
RODNEY STONE ...	9-9	40	110.5	3.7	7.1	-	18.7	24	-3.8	11	8.0	7.9	48	85	11	19	18	10	1	0	0	0	0	0	0	1	3	10	1	2	0	0	0	-	
WINCANTON ...	9-9	113	110.2	2.7	6.5	-	18.0	24	-4.7	11	-	-	52	91	8	19	18	17	1	0	0	0	0	0	1	7	9	-	0	0	0	0	0	4.34	
YEDVILTON ...	21-9	18	10.9	3.4	7.1	-	19.0	24	-5.6	11	-	-	39	82	5	2	17	11	1	0	0	0	0	0	0	6	8	9	0	0	0	0	0	-	
DORSET																																			
BOURNEMOUTH																																			
HURN AIRPORT ...	21-9	10	10.6	3.2	6.9	-	18.1	24	-5.4	11	-	-	58	119	8	17	20	15	1	0	0	1	0	0	0	8	10	7	0	0	0	0	0	4.49	
MEYRICK PARK ...	9-9	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHRISTCHURCH ...	9-9	3	10.7	3.9	7.3	-	17.0	24	-3.5	11	-	-	62	132	7	17	17	15	1	0	0	0	0	0	0	5	9	-	0	0	0	0	0	-	
POOLE ...	9-9	5	10.6	3.7	7.1	-2.2	18.0	24	-2.8	11	8.2	8.5	48	102	7	29	17	14	1	0	0	0	0	0	1	4	9	-	0	0	0	0	0	4.40	
PORTLAND BILL (COASTGUARD) ...	21-9	53	9.7	4.6	7.1	-1.6	12.5	30	-1.6	11	-	-	63	-	11	17	16	10	1	0	1	0	0	0	1	1	-	-	0	0	0	0	0	5.55	
SWANAGE ...	9-9	11	9.9	4.5	7.2	-1.7	12.5	22	-2.6	11	-	8.7	62	126	9	29	17	13	1	0	1	0	0	0	1	1	7	-	0	0	0	0	0	5.09	
MEYMOUTH ...	9-9	23	10.9	3.0	6.9	-	16.0	24	-4.5	11	-	-	63	-	15	17	16	15	1	0	0	0	0	0	0	6	-	-	0	0	0	0	0	5.11	
WIMBORNE ...	9-9	26	10.7	3.7	7.2	-	16.8	24	-3.5	11	-	-	58	116	11	17	17	12	1	0	0	0	0	0	0	4	13	-	0	0	0	0	0	-	
DEVON																																			
CHARLEIGH ...	9-9	168	9.6	2.9	6.3	-	17.2	24	-4.6	11	7.6	-	50	-	12	18	15	12	2	0	1	1	0	0	0	5	12	-	0	0	0	0	0	4.50	
EXETER AIRPORT ...	21-9	32	10.7	3.8	7.3	-1.7	17.6	24	-3.9	11	-	-	55	117	10	29	16	13	2	0	0	1	0	0	0	6	13	6	0	0	0	0	0	4.77	
EXMOUTH ...	9-9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	
HARTLAND POINT ...	21-9	93	9.2	5.0	7.1	-1.4	17.7	24	-0.2	11	-	-	29	58	5	11	11	7	1	0	0	2	0	1	1	1	1	1	3	5	26	85	-	-	
JLFRACOMBE ...	9-9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
OKEMPTON ...	9-9	372	7.7	1.9	4.8	-	15.0	24	-3.3	11	-	-	70	-	16	29	18	13	3	1	0	1	0	0	7	8	13	-	0	0	0	0	0	-	
PLYMOUTH																																			
MOUNT BATTEN ...	21-9	27	10.5	4.7	7.6	-1.6	15.5	24	-2.4	11	-	-	43	75	13	19	14	10	2	0	0	2	0	0	2	2	12	4	0	0	0	0	0	88	
THE HOE ...	9-9	36	10.4	4.6	7.5	-2.1	15.6	24	-2.1	11	8.8	8.4	38	68	11	19	11	8	1	0	0	1	0	0	0	1	14	-	0	0	0	0	0	5.35	
PRINGLE POINT ...	21-9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	
PRINCETOWN ...	9-9	414	7.6	1.4	4.5	-	13.1	24	-4.5	11	-	-	89	-	21	29	17	14	3	0	0	0	0	0	9	10	17	-	0	0	0	0	0	-	
SIDMOUTH ...	9-9	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SLAPTON ...	9-9	32	10.7	4.5	7.6	-	14.4	22	-2.5	11	-	-	53	84	11	29	12	10	2	0	0	0	0	0	1	1	13	-	0	0	0	0	0	-	
STARCROSS ...	9-9	9	10.5	4.0	7.3	-1.7																													



DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(GMT) 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	LOWEST	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	MAIL	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.	DATE			MIN.	DATE																								
			MAX. (A)	MIN. (B)																												
NORTHERN IRELAND																																
LONDONDERRY																																
AGHANLOO ... ..	9 9	18	10.2	3.4	6.8	-	15.0	22.23	-1.7	10	-	-	16	-	3	12	12	8	3	1	1	0	0	0	0	3	11	-	3	3.93	-	-
BANAGHER(CAUGH HILL) ...	9 9	216	9.6	1.8	5.7	-	13.5	24	-5.0	10	-	-	51	-	15	26	14	10	8	0	0	0	0	0	7	19	-	-	4.23	-	-	
CARRONE ... ..	9 9	73	9.6	3.4	6.5	-	14.5	22.23	-2.0	10	-	-	19	-	3	11	12	8	1	1	1	0	0	1	3	16	-	0	3.75	71	-	
COLERAINE UNIVERSITY ...	9 9	23	9.9	2.8	6.3	-	14.7	22	-3.1	7	7.4	6.9	30	-	12	26	14	8	3	1	1	0	0	0	5	13	-	-	-	-	-	
COOLKEERRAH ... ..	9 9	3	9.8	3.9	6.9	-	15.6	22	-1.7	10	-	-	42	-	7	27	13	11	-	-	-	-	-	-	2	-	-	-	-	-	-	
DERRYNOYO FOREST ... ..	9 9	88	10.7	2.2	6.5	-	14.9	21	-2.5	10	-	-	41	54	9	19	14	13	3	1	3	1	0	0	7	18	-	-	-	-	-	
GARRYVAGH FOREST ... ..	9 9	88	10.1	2.0	6.1	-	14.3	22	-2.6	6	-	6.1	35	46	7	12	14	11	1	2	0	0	0	1	7	17	-	-	-	-	-	
LOUGHERMORE FOREST ...	9 9	174	9.8	1.5	5.7	-	14.4	22	-3.9	7	-	-	23	31	4	11	13	10	9	2	2	0	0	0	9	16	-	2	-	-	-	
MONEYDOG ... ..	9 9	34	10.1	2.3	6.2	-1.6	13.9	21.22	-2.9	7	7.5	-	27	43	5	13	14	10	4	2	2	0	0	0	6	16	-	9	0	-	-	-
TRADD POINT ... ..	9 9	16	10.1	2.3	6.2	-	14.5	22	-4.0	10	-	-	20	-	4	17	12	8	1	-	0	0	0	0	5	-	-	-	-	-	-	-
ANTRIM																																
ALDERGROVE AIRPORT ... ..	21-9	68	10.1	2.7	6.4	-1.5	14.9	23	-3.9	10	7.7	7.3	24	42	6	25	14	9	6	0	2	2	0	0	0	4	12	8	0	4.31	84	-
ALTNAHINCH ... ..	9 9	213	8.2	1.6	4.9	-	13.7	22.23	-7.5	12	-	-	43	46	6	12	18	12	3	2	0	0	0	0	3	8	15	-	1	3.91	-	-
BALLYLUMFORD ... ..	9 9	24	9.7	3.8	6.7	-	13.8	23	-1.0	11	-	-	38	-	20	25	13	6	-	-	-	-	-	-	1	8	-	-	-	-	-	-
BALLYPATRICK FOREST ...	9 9	152	8.4	2.4	5.4	-	13.7	22	-2.8	10	-	-	37	47	5	12	17	12	1	-	0	0	0	1	6	13	-	0	4.12	-	-	-
CARLLOUGH ... ..	9 9	12	9.7	3.3	6.5	-	13.1	22.23	-1.9	8	-	-	32	-	7	12	18	10	2	-	0	0	0	1	4	-	-	-	-	-	-	-
DIVIS MOUNTAIN ... ..	9 9	363	-	0.3	-	-	-	-	-6.0	10	-	-	44	58	10	1	11	10	1	-	-	0	0	0	-	15	-	-	-	-	-	-
GREENMOUNT ... ..	9 9	38	10.2	2.9	6.5	-	14.4	23	-2.4	11	8.2	-	24	45	9	25	12	8	2	1	0	0	0	0	5	14	-	-	-	-	-	-
HYDE PARK (MALLUSK) ...	9 9	140	9.2	2.5	5.9	-	13.6	23	-3.2	10	-	-	44	-	9	1	15	9	3	0	0	0	0	-	4	18	-	-	-	-	-	-
KILROOT POWER STATION ...	9 9	12	9.8	3.9	6.9	-	13.5	24	-1.0	10	-	-	31	-	6	13	12	9	1	0	0	0	0	-	2	12	-	-	-	-	-	-
LISNAFFILLAN ... ..	9 9	38	10.0	2.1	6.1	-	14.2	22	-3.1	8	-	-	16	28	5	12	13	9	2	0	0	0	1	0	7	16	-	-	3.86	-	-	-
LONTOWN ... ..	9 9	271	7.6	1.8	4.7	-	11.5	22	-3.0	10	5.6	-	73	81	21	25	16	13	2	1	0	0	0	3	7	15	-	3	3.39	-	-	-
PARKMORE FOREST ... ..	9 9	235	7.7	1.3	4.5	-	12.9	22	-4.0	10	5.9	-	58	57	13	12	18	12	5	2	1	0	0	2	7	16	-	0	-	-	-	-
WOODBURN NORTH ... ..	9 9	217	8.4	2.1	5.3	-	12.0	21.22.24	-3.0	10	-	-	47	62	9	25	18	10	1	0	0	0	0	4	7	15	-	-	-	-	-	-
BELFAST																																
ANDERSONSTOWN ... ..	9 9	64	9.9	3.3	6.6	-	14.2	23	-1.5	10.11	-	-	35	-	9	1	14	10	4	0	0	0	0	1	2	15	-	-	-	-	-	-
MALONE ... ..	9 9	35	10.1	3.3	6.7	-	14.2	23	-1.6	10	7.5	-	30	-	6	1	14	11	-	-	-	-	-	3	2	15	-	-	4.12	-	-	-
MILLTOWN ... ..	9 9	37	10.8	3.1	6.9	-	14.6	24	-2.6	10	-	-	38	-	10	1	13	9	3	0	0	1	0	0	3	13	-	-	-	-	-	-
NEWTOWNABBIEY ... ..	9 9	32	10.0	4.4	7.2	-	14.9	23	-1.5	10	8.1	-	21	34	5	1	11	7	4	0	2	0	0	0	2	10	3	0	3.99	-	-	-
ROSEBANK ... ..	9 9	47	10.1	3.6	6.9	-	14.0	23.24	-1.0	10	-	-	20	-	4	1	11	7	1	0	1	0	0	0	2	-	-	-	-	-	-	-
ROSETTA ... ..	9 9	24	-	-	-	-	-	-	-	-	-	-	35	60	9	1	13	9	0	0	0	0	0	0	-	-	-	-	-	-	-	-
STORMONT CASTLE ... ..	9 9	56	9.7	3.6	6.7	-	13.5	24	-1.5	10	8.2	7.7	28	49	8	1	13	8	0	0	1	0	0	0	2	13	-	-	3.87	-	-	-
DOWN																																
BANGOR SEACROFT ... ..	9 9	15	10.1	4.8	7.5	-	14.1	23	0.0	11	8.5	8.2	29	-	9	1	13	9	3	0	2	2	0	0	0	3	2	4	4.97	-	-	-
BALLYHALTER PARK ... ..	9 9	11	-	-	-	-	-	-	-	-	-	-	39	85	14	1	13	11	-	-	-	-	-	-	-	-	-	-	-	5.40	-	-
BALLYMATTICOCK ... ..	9 9	6	9.7	3.6	6.7	-	13.7	23	-0.8	10	7.5	7.4	32	64	11	1	14	10	2	0	0	1	0	0	2	8	7	0	5.03	-	-	-
DOWNPATRICK ... ..	9 9	26	10.2	3.5	6.9	-	13.3	24	-1.5	11	-	-	33	-	10	1	11	8	-	-	-	-	-	1	2	8	-	-	-	-	-	-
HELENS BAY ... ..	9 9	43	10.4	4.1	7.3	-	15.3	23	-0.8	10	-	-	31	58	7	1	12	8	2	0	0	3	0	0	2	14	-	0	4.83	-	-	-
HILLSBOROUGH ... ..	9 9	116	9.2	2.7	5.9	-1.6	13.1	24	-3.4	10	7.1	-	29	53	11	1	14	7	1	1	0	0	0	0	3	18	-	0	4.46	92	-	-
MAGHERALLY ... ..	9 9	97	9.7	1.9	5.8	-	13.6	16.22.24	-2.5	8	-	-	26	-	7	1	15	10	4	0	0	0	4	0	8	16	-	-	-	-	-	-
MURLOUGH ... ..	9 9	9	10.2	2.2	6.2	-	14.0	24	-2.3	22	7.0	6.8	47	-	11	30	14	7	0	0	0	0	0	1	9	15	-	4	4.62	-	-	-
NEWRY ... ..	9 9	1	10.6	3.5	7.1	-	14.0	21	-2.2	10	-	-	49	-	9	19	14	10	1	0	0	0	0	0	3	14	-	-	-	-	-	-
SILENT VALLEY ... ..	9 9	129	8.8	2.7	5.7	-	12.7	24	-2.4	10	-	-	87	-	46	30	13	11	3	0	1	0	0	3	4	14	-	-	5.14	-	-	-
ARRAIGH																																
ARRAIGH ... ..	9 9	62	10.6	2.9	6.7	-1.6	15.2	21	-3.4	10	8.4	7.9	26	45	6	30	15	7	1	0	1	3	0	0	4	15	-	0	3.64	74	-	-
LOUGHGALL ... ..	9 9	25	10.4	2.8	6.6	-	15.0	24	-2.4	10	-	-	31	59	6	1	15	9	0	0	0	0	0	0	6	18	-	0	4.18	-	-	-
LURGAN ... ..	9 9	55	10.6	3.3	6.9	-	14.6	24	-1.9	10	7.9	7.4	26	52	12	1	12	6	1	-	0	0	0	0	3	15	-	-	3.87	-	-	-
TANDRAGEE ... ..	9 9	43	11.1	2.7	6.9	-	15.9	21	-2.5	10	-	-	25	-	9	1	9	7	1	-	0	0	0	-	7	-	-	-	-	-	-	-
TYRONE																																
ALTAVEEDAN ... ..	9 9	175	9.8	2.3	6.1	-	14.7	21	-4.6	10	-	-	43	-	18	17	13	9	-	-	-	-	-	-	7	12	-	-	-	-	-	-
CARRIGANS ... ..	21-9	113	10.7	2.6	6.7	-	15.7	21	-3.8	10	-	-	29	45	7	11	13	9	6	1	6	0	0	3	6	14	7	0	4.11	-	-	-
COOKSTOWN ... ..	9 9	77	9.9	2.8	6.3	-	14.0	22	-3.3	10	7.3	-	29	46	8	17	13	11	2	0	0	0	0	0	4	13	-	-	3.76	-	-	-
LOUGH BRADAN ... ..	9 9	169	9.8	1.2	5.5	-	14.5	22	-5.6	10	-	-	27	34	7	17	13	6	-	1	-	-	-	-	0	10	16	-	-	4.05	-	-
POMEROY FOREST ... ..	9 9	174	9.2	2.3	5.7	-	13.6	21	-4.1	10	7.2	-	35	48	7	17	14	11	1	0	0	0	0	3	5	14	-	-	-	-	-	-
STRABANE CONVENT ... ..	9 9	44	-	-	-	-	-	-	-	-	-	-	24	41	5	11	13	10	4	2	2	0	0	2	-	-	2	-	4.20	-	-	-
TIEVENNY ... ..	9 9	41	10.9	2.6	6.7	-	15.6	21	-4.5	10	-	-	29	-	5	1	12	10	-	-	-	-	-	-	6	14	-	-	-	-	-	-
FERMANAGH																																
CASTLE ARCHDALE ... ..	9 9	66	10.5	2.1	6.3	-1.4	15.2	21	-4.5	10	7.8	7.5	28	42	6	12	12	9	2	0	1	0	0	0	9	19	-	0	3.35	68	-	-
FOREST ... ..	9 9	156	9.9	2.5	6.2	-	15.2	24	-3.4	10	-	-	27	-	5	12	11	11	3	-	3	0	0	0	7	11	9	-				



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

APRIL 1978

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 (Hb)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB (DEGREES C)	DEPRESSION OF WET BULB (DEGREES C)	WET BULB (DEGREES C)	WET BULB (DEGREES F)	RELATIVE HUMIDITY (%)	OKTAS						0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE						N	NE	E	SE	S	SW	W	NW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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										0	1-2	3-5	6-7	8	SKY OBSERVED											34 OR MORE	22-33	11-21	1-10	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

APRIL 1978

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)	WET BULB PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS						0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 5900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE					N	NE	E	SE	S	SW	W	NW		
												0	1 - 2	3 - 5	6 - 7	8	SKY OBSERVED											SPEED (KT)														
																												34 OR MORE	22-33	11-21	1-10	0										
NUMBER OF OBSERVATIONS																																										
6 SCOTLAND M -CONTO- STRATHCLYDE -CONTO-																																										
SLOY																																										
9																																										
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DUMFRIES & GALLOWAY																																										
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237																																										
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2 ENGLAND E & NE NORTHUMBERLAND																																										
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21																																										
SEARHOUSES																																										
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TYNE & WEAR																																										
MEMCASTLE																																										
72																																										
9																																										
15																																										
21																																										
WEATHER CENTRE (X)																																										
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21																																										
TYNEMOUTH																																										
40																																										
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NORTH YORKSHIRE																																										
LEEMING																																										
33																																										
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WHITBY C.D.																																										
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HUMBERSIDE																																										
SPURN POINT																																										
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LINCOLNSHIRE																																										
BINBROOK																																										
112																																										
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MADDINGTON																																										
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3 EAST ANGLIA NORFOLK																																										
COLTISHALL																																										
17																																										
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CAMBRIDGESHIRE																																										
WITTERING																																										
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SUFFOLK																																										
ALDEBURGH																																										
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HONINGTON																																										
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WATTISHAM																																										
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BEDFORDSHIRE																																										
CARDINGTON																																										
30																																										
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15																																										
21																																										



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

APRIL 1978

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 (Hb)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB (DEGREES C)	DEPRESSION OF WET BULB (DEGREES C)	WIND PRESSURE (Hb)	RELATIVE HUMIDITY (%)	OKTAS						0-39 M	40-190 M	200-390 M	400-990 M	1000-1900 M	2000-3900 M	4-9 KM	10-19 KM	20-39 KM	40 KM AND OVER	BEAUFORT FORCE						N	NE	E	SE	S	SW	W	NW										
									0	1-2	3-5	6-7	8	SKY OBSERVED											34 OR MORE	22-33	11-21	1-10	0	SPEED (KT)																		
																														8 OR MORE									6-7	4-5	1-3	CALM						
																																											NUMBER OF OBSERVATIONS					
3 EAST ANGLIA -CONTO. ESSEX																																																
SHOEBURYNESSE	5	9	1012.8	- 3.2	6.6	0.9	8.5	86	7.0	0	1	3	13	12	1	0	1	0	0	1	3	8	11	4	2	0	0	15	15	0	5	7	4	3	7	2	0	2										
		15	1012.2	-	8.2	1.7	8.4	77	6.2	0	0	5	2	12	11	0	0	0	0	0	0	0	0	11	6	0	0	1	18	11	0	2	7	10	3	1	3	2										
		21	1012.8	-	5.9	0.9	8.1	87	5.8	1	6	2	7	13	1	0	0	1	2	1	2	4	9	8	0	0	0	12	18	0	3	11	3	5	2	0	4	2										
STANSTED	102	3	1012.4	-	3.7	0.5	7.3	91	6.8	2	0	2	7	17	2	0	0	2	2	1	7	7	8	3	0	0	0	11	17	2	6	6	2	5	3	2	0	4	3									
		9	1013.0	- 2.9	5.8	1.0	8.0	85	6.1	1	4	3	9	12	1	0	0	1	1	0	7	9	6	5	1	0	0	13	16	1	2	9	6	6	2	2	0	3										
		15	1012.1	-	8.7	2.7	7.5	65	6.1	0	5	3	13	9	0	0	0	0	0	0	2	7	7	9	5	0	0	17	13	0	4	6	5	7	2	1	2											
	21	1013.0	-	5.2	1.1	7.4	83	5.5	0	8	3	8	11	0	0	0	0	0	2	5	6	8	8	1	0	0	9	20	1	7	7	5	2	2	4	1	3	1										
4 MIDLAND COUNTIES WEST YORKSHIRE																																																
HUDDERSFIELD OAKES	235	3	1014.2	-	2.7	0.7	6.6	86	7.5	0	1	1	5	23	0	0	0	2	4	2	5	6	8	3	0	0	0	2	22	6	6	11	1	3	0	0	1	2	5									
		9	1014.4	-	4.8	0.9	7.4	86	6.4	3	1	3	4	19	0	0	0	2	5	1	3	13	2	4	0	0	0	5	22	3	4	6	6	4	1	1	2	3										
		15	1013.9	-	7.6	2.2	7.2	69	7.3	0	0	3	8	19	0	0	0	1	0	0	2	8	10	9	0	0	0	9	21	0	7	3	6	7	1	1	2	3										
	21	1015.0	-	4.8	1.0	7.4	84	6.6	1	2	1	11	15	0	0	0	1	0	2	0	3	8	9	7	0	0	0	4	20	6	5	5	5	1	3	1	2	2										
MILSDEN																																																
	267	3	1014.5	-	2.7	0.5	6.9	91	6.4	1	6	0	0	21	2	0	0	0	1	3	10	14	0	0	0	0	0	2	24	4	5	5	5	4	1	3	1	2										
		9	1014.7	-	4.0	0.7	7.2	88	6.4	1	5	3	6	15	2	0	1	2	3	4	2	5	8	5	0	0	0	10	18	2	5	5	8	2	1	1	2	4										
		15	1013.8	-	6.8	2.1	7.0	71	6.7	0	0	5	11	12	2	0	1	1	1	0	1	7	11	8	0	0	0	10	19	1	4	8	4	4	3	0	4	2										
	21	1015.0	-	4.1	0.9	7.0	86	6.3	1	3	3	6	14	3	0	1	1	1	0	2	8	15	2	0	0	0	7	21	2	4	6	6	3	2	0	6	1											
SOUTH YORKSHIRE																																																
FINNINGLEY	15	3	1013.8	-	3.8	0.5	7.4	91	6.5	1	2	5	4	18	0	0	0	0	0	3	12	5	6	2	0	0	4	24	2	8	5	3	6	1	1	1	3											
		9	1014.2	- 1.0	6.3	1.2	7.9	82	6.0	2	4	2	8	13	1	0	0	0	1	5	10	8	4	1	0	0	6	24	0	4	6	4	4	3	2	0	7											
		15	1013.4	-	8.9	2.6	7.6	66	6.3	0	3	5	12	10	0	0	0	0	0	0	4	9	8	5	0	0	9	21	0	3	9	6	4	2	1	4	1											
	21	1014.5	-	5.4	0.9	7.8	86	6.6	0	3	1	14	12	0	0	0	0	0	2	3	9	5	10	1	0	0	4	25	1	7	7	3	5	1	3	2	1											
NOTTINGHAMSHIRE																																																
WATHALL	119	3	1013.8	-	3.6	0.5	7.3	91	5.8	2	4	5	3	16	0	0	0	0	1	3	5	11	9	1	0	0	5	23	2	8	6	3	3	2	2	2	2											
		9	1014.2	- 1.1	5.6	1.0	7.7	85	6.4	1	3	3	8	14	1	0	0	1	1	8	11	6	2	0	0	0	13	17	0	7	9	3	2	5	0	1	3											
		15	1013.4	-	8.0	2.1	7.8	72	6.8	0	2	1	16	10	1	0	0	1	0	2	1	6	13	5	2	0	0	14	16	0	2	12	3	2	3	2	1	5										
	21	1014.5	-	5.2	0.9	7.7	86	6.7	1	2	3	6	18	0	0	0	0	0	2	2	3	13	9	1	0	0	9	21	0	3	11	5	3	1	3	3	1											
SALOP																																																
SHAWBURY	76	3	1013.3	-	3.8	0.7	7.3	88	5.4	2	8	2	0	18	0	0	0	0	1	1	2	11	12	3	0	0	0	3	24	3	8	6	2	4	0	3	2	2										
		9	1013.5	- 2.0	6.4	1.3	7.9	82	6.6	0	1	6	8	15	0	0	0	0	0	0	4	13	7	5	1	0	0	6	23	1	5	5	6	4	2	3	2											
		15	1012.7	-	9.3	2.5	8.0	68	6.5	0	1	4	15	10	0	0	0	0	0	2	4	12	10	2	0	0	13	17	0	1	6	8	4	1	3	2	4											
	21	1013.7	-	6.0	1.1	7.9	83	6.0	0	4	5	8	13	0	0	0	0	0	0	3	10	13	4	0	0	0	2	26	2	5	4	8	1	3	2	3	2											
WEST MIDLANDS																																																
EDGBASTON	165	9	1013.5	- 2.3	5.0	1.2	7.1	81	6.8	0	1	5	11	13	0	0	0	2	1	1	17	8	1	0	0	0	6	23	1	6	5	5	3	5	2	0	3											
		15	1012.6	-	8.0	2.4	7.3	68	6.9	0	2	1	15	12	0	0	0	1	0	0	8	14	5	2	0	0	6	24	0	4	9	3	3	4	1	2	1											
		21	1013.6	-	5.9	1.4	7.4	78	6.2	2	1	5	8	14	0	0	1	0	0	0	8	16	4	0	0	0	5	21	4	4	9	3	1	4	3	1	1											
ELMDON	100	3	1013.3	-	3.6	0.7	7.0	87	6.0	2	5	2	5	15	1	0	0	1	0	2	4	10	9	4	0	0	7	21	2	8	6	2	4	4	2	0	2											
		9	1013.7	- 2.0	5.9	1.4	7.3	78	6.4	0	3	5	7	14	1	0	0	0	1	3	8	15	3	0	0	0	12	17	1	3	9	1	6	2	1	5												
		15	1012.7	-	8.6	2.6	7.4	66	6.7	0	2	1	17	10	0	0	0	0	0	1	6	14	7	1	0	0	14	16	0	2	11	3	3	3	2	1	5											
	21	1013.8	-	5.5	1.2	7.4	81	6.5	0	3	3	10	14	0	0	0	0	1	1	0	12	13	3	0	0	5	22	3	6	8	2	5	3	0	1													
GLOUCESTER																																																
INNSMORTH	24	3	1012.9	-	4.3	0.9	7.3	85	6.6	2	1	2	10	15	0	0	0	0	0	5	14	9	2	0	0	0	5	23	2	4	8	1	4	5	2	0	4											
		9	1013.3	-	6.6	1.6	7.6	77	6.2	1	1	6	9	13	0	0	0	0	0	3	15	9	0	3	0	0	7	23	0	6	8	2	3	2	4	1	4											
		15	1012.3	-	9.6	2.9	7.6	63	6.5	1	1	5	10	13	0	0	0	0	0	2	11	5	11	1	0	0	15	15	0	5	10	3	3	5	1	3	2											
	21	1013.2	-	6.5	1.6	7.6	76	5.8	2	2	6	8	12	0	0	0	0	0	1	3	12	12	1	1	0	0	8	18	4	4	8	3	2	5	2	1	1											
OXFORDSHIRE																																																
BENSON	74	3	1012.9	-	4.2	0.7	7.4	89	6.1	2	5	1	4	18	0	0	0	0	0	3	10	12	5	0	0	0	8	17	5	10	3	2	4	3	0	0	3											
		9	1013.3	-	6.3	1.3	7.8	80	5.9	1	5	3	8	13	0	0	0	0	0	6	6	12	5	1	0	0	15	12	3	6	8	3	2	2	1	3												
		15	1012.3	-	9.4	2.9	7.5	64	6.5	0	2	4	12	12	0	0	0	0	0	3	3	13	7	4	0	0	17	13	0	9	5	2	3	5	1	4	1											
	21	1013.3	-	6.2	1.4	7.6	79	6.2	1	2	5	9	13	0	0	0	0	0	0	1	10	9	9	1	0	0	6	19	5	8	4	2	2	1	3	1												
BRIZE NORTON																																																
	92	3	1012.7	-	3.8	0.8	7.1	87	5.9	2	5	2	6	15	0	0	0	0	0	1	6	10	8	5	0	0	0	9	21	2	5	12	0	4	1	3	1	2										
		9	1013.0	-	6.0	1.4	7.5	79	6.2	1	2	4	10	13	0	0	0	0	0	2	12	8	7	1	0	1	17	12	0	3	10	5	2	3	0	4												
		15	1012.0	-	9.1	2.9	7.3	63	6.4	0	5																																					



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

APRIL 1978

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)	WET BULB PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS							0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE					N	NE	E	SE	S	SW	W	NW
									0	1-2	3-5	6-7	8	SKY OBSERVED	SPEED (KT)																							
															34 OR MORE											22-33	11-21	1-10	0									
NUMBER OF OBSERVATIONS																																						
5 ENGLAND SE & CENT. S.																																						
KENT																																						
DUNGENESS	7	3	1011.4	-	-	-	-	5.6	3	5	2	4	15	1	0	0	0	1	1	2	5	13	8	0	0	4	12	11	3	2	8	3	1	6	1	2	4	
	9	1012.1	-	-	6.8	0.9	8.7	5.6	3	5	2	4	15	1	0	0	0	1	1	2	12	11	8	0	0	4	14	8	0	6	8	3	1	6	1	2		
	15	1011.6	-	-	-	-	-	5.9	3	5	2	4	15	1	0	0	0	1	1	2	12	11	8	0	0	4	14	8	0	6	8	3	1	6	1	2		
	21	1011.9	-	-	-	-	-	5.7	3	5	2	4	14	0	0	0	0	1	1	2	10	9	1	0	0	5	15	8	0	2	10	2	3	3	0	3		
MANSTON	45	3	1012.1	-	4.8	0.6	7.9	90	5.9	0	8	2	4	16	0	0	0	0	2	11	7	7	0	0	0	13	17	0	4	7	4	2	8	2	1	2		
	9	1012.7	-	-	6.5	1.0	8.4	86	6.8	0	8	2	4	16	0	0	0	0	2	11	7	7	0	0	0	13	17	0	4	7	4	2	8	2	1	2		
	15	1012.3	-	-	8.3	1.8	8.3	75	5.6	3	4	3	9	11	0	0	0	0	3	8	8	7	3	0	0	1	15	14	0	8	7	2	4	6	1	1		
	21	1012.7	-	-	5.6	0.7	8.1	88	6.2	0	3	4	14	8	1	0	0	0	3	8	8	7	3	0	0	1	19	10	0	5	11	0	5	5	0	2		
HAMPSHIRE																																						
SOUTHAMPTON	9	3	1011.9	-	5.5	1.1	7.6	83	5.8	3	2	5	5	15	0	0	0	0	0	1	10	8	11	0	0	0	1	27	2	9	5	2	3	1	3	1	4	
WEATHER CENTRE (X)	9	1012.5	-	-	7.5	2.0	7.6	72	6.0	1	4	5	5	15	0	0	0	0	0	3	9	7	10	1	0	0	7	22	1	4	6	5	2	3	0	3		
	15	1011.7	-	-	10.2	3.4	7.3	59	5.2	1	3	2	15	9	0	0	0	0	0	1	5	7	15	2	0	0	11	19	0	4	7	4	2	3	0	3		
	21	1012.5	-	-	7.5	1.8	7.8	74	5.3	2	6	4	7	11	0	0	0	0	0	2	5	11	12	0	0	0	3	26	1	6	5	3	2	4	2	3		
WEST SUSSEX																																						
ORTWICK	60	3	1012.3	-	4.4	0.6	7.6	90	6.5	2	2	2	5	18	1	0	0	2	0	3	7	10	5	3	0	0	5	22	3	3	11	1	2	4	2	1		
	9	1012.7	-3.5	-	6.6	1.3	8.0	81	6.6	0	3	2	11	14	0	0	0	0	1	14	9	5	0	0	0	12	18	0	2	9	7	1	2	3	2			
	15	1012.0	-	-	9.3	2.8	7.6	64	5.8	1	3	7	10	9	0	0	0	0	0	1	8	7	5	0	0	1	17	11	1	3	8	5	2	3	3			
	21	1012.8	-	-	5.8	1.1	7.7	83	6.0	0	5	6	4	15	0	0	0	0	0	5	10	9	6	0	0	0	8	20	2	4	10	2	5	1	3	1		
EAST SUSSEX																																						
MERSTHONCEUX	28	3	1012.0	-	4.8	0.4	8.1	93	5.7	3	3	6	2	16	0	0	0	0	2	9	10	6	3	0	0	0	8	19	3	11	7	0	2	4	2	0		
	9	1012.5	-	-	6.8	1.1	8.4	84	6.6	1	1	4	10	14	0	0	0	0	1	4	13	7	0	0	0	13	16	0	1	8	7	3	3	2	1			
	15	1011.9	-	-	9.1	2.3	8.2	71	5.6	1	4	7	10	8	0	0	0	0	0	2	4	9	7	0	0	4	11	15	0	7	6	3	3	4	2	0		
	21	1012.5	-	-	5.8	0.8	8.2	88	5.6	1	6	4	6	13	0	0	0	0	1	3	10	10	6	0	0	0	9	16	5	8	8	3	0	2	1	3		
7A ENGLAND NW & I.O.M.																																						
CUMBRIA																																						
CARLISLE	28	3	1014.5	-	4.0	0.7	7.3	88	5.9	1	5	5	3	16	0	0	0	0	0	1	12	9	8	0	0	0	4	26	0	2	3	14	4	3	2	0		
	9	1014.8	+0.2	-	6.6	1.5	7.8	79	5.7	1	3	8	7	11	0	0	0	0	0	0	8	10	4	0	0	0	9	20	1	1	3	12	6	3	0	2		
	15	1014.0	-	-	9.2	2.6	7.8	67	6.6	0	0	6	19	5	0	0	0	0	0	0	3	12	12	3	0	0	14	16	0	2	1	12	4	3	1			
	21	1015.0	-	-	5.7	1.1	7.7	83	6.4	0	1	8	9	12	0	0	0	0	0	0	11	7	12	0	0	0	6	23	1	1	3	16	2	1	1	4		
LANCASHIRE																																						
SQUIRES GATE	11	3	1013.7	-	4.2	0.7	7.4	88	5.5	2	4	7	6	11	0	0	0	0	0	3	12	7	7	1	0	0	8	21	1	4	6	8	6	3	1	1		
	9	1014.1	-0.9	-	7.1	1.5	8.0	78	6.1	0	3	4	15	7	1	0	0	0	1	0	10	13	6	0	0	0	12	18	0	4	2	11	6	3	0	5		
	15	1013.5	-	-	9.5	2.5	8.1	68	6.5	0	0	8	13	9	0	0	0	0	0	0	5	12	9	4	0	0	16	14	0	1	4	9	2	2	5	4		
	21	1014.2	-	-	6.1	1.2	7.7	81	6.1	0	4	2	20	4	0	0	0	0	0	0	12	11	7	0	0	0	11	19	0	4	4	12	3	1	1	4		
GREATER MANCHESTER																																						
MANCHESTER	42	3	1013.4	-	5.5	1.4	7.2	78	6.0	1	4	2	15	8	0	0	0	0	0	0	11	12	7	0	0	0	2	28	0	6	8	7	3	4	1	0		
WEATHER CENTRE (X)	9	1013.7	-	-	7.1	2.1	7.1	70	6.0	1	5	1	12	11	0	0	0	0	0	2	9	16	3	0	0	0	4	26	0	5	10	1	6	4	1	5		
	15	1012.9	-	-	9.7	3.4	6.9	57	6.1	1	1	7	12	9	0	0	0	0	0	0	7	14	9	0	0	0	4	26	0	4	9	5	3	3	1	2		
	21	1014.0	-	-	7.2	2.1	7.2	71	6.1	0	5	2	15	8	0	0	0	0	0	0	7	14	9	0	0	0	3	26	1	5	11	4	3	1	2	1		
RIMNAY	84	3	1013.5	-	4.7	1.0	7.2	83	5.6	1	6	4	9	10	0	0	0	0	0	0	15	10	5	0	0	0	6	24	0	2	7	4	4	7	1	1		
	9	1013.7	-1.5	-	6.6	1.8	7.4	75	6.0	0	6	2	8	13	1	0	0	1	0	1	11	15	2	0	0	0	9	21	0	3	7	6	4	6	0	2		
	15	1012.9	-	-	9.3	3.1	7.1	60	6.4	0	3	3	14	10	0	0	0	1	0	0	4	15	8	0	0	0	19	11	0	4	5	9	2	1	3	4		
	21	1014.1	-	-	6.5	1.6	7.5	77	5.9	0	4	6	9	11	0	0	0	0	0	0	14	11	5	0	0	0	11	19	0	2	5	9	3	5	0	2		
ISLE OF MAN																																						
POINT OF AYRE	9	3	1013.9	-	5.3	0.7	7.9	88	5.0	5	2	9	2	12	0	0	0	0	1	0	3	11	7	8	0	3	13	11	3	2	9	4	9	1	0			
	9	1014.4	+0.1	-	6.6	1.0	8.3	85	6.1	0	4	5	7	14	0	0	0	0	0	1	2	13	6	8	0	3	21	6	0	2	11	3	9	4	2			
	15	1014.1	-	-	8.4	1.7	8.6	78	6.4	0	1	7	11	11	0	0	0	0	0	0	3	7	16	4	0	1	12	13	1	4	13	0	5	2	1			
	21	1014.5	-	-	6.2	0.9	8.3	87	5.5	0	5	7	6	12	0	0	0	0	0	0	4	8	9	9	0	2	15	12	1	3	9	3	5	2	1			
RONALDSMAY	21	3	1013.4	-	4.7	0.8	7.6	88	5.1	1	5	10	4	10	0	0	0	0	2	5	8	12	3	0	0	0	15	14	1	7	4	8	4	2	0	1		
	9	1014.1	-0.6	-	6.2	1.3	8.1	80	5.9	0	5	3	13	9	0	0	0	0	2	9	7	5	7	0	0	0	19	11	0	2	2	16	3	1	2			
	15	1013.7	-	-	8.5	2.3	8.0	72	6.3	0	4	2	15	9	0	0	0	0	0	2	5	10	10	3	0	1	14	15	0	2	3	12	5	1	3			
	21	1014.2	-	-	6.0	1.1	7.8	82	6.0	0	6	2	10	12	0	0	0	0	0	2	6	9	4	0	0	1	13	16	0	7	7	8	2	1	0			
7B WALES N																																						
GWYNEDD																																						
BARDSEY ISLAND	19	3	1013.0	-	6.3	1.0	8.2	84	4.2	9	4	4	1	12	0	0	0	0	0	2	24	4	0	1	4	5	17	3	13	3	1	3	2	0	3			
	9	1013.5	-	-	7.3	1.3	8.4	81	6.2	0	2	6	13	9	0	0	0	0	0	0	19	8	2	2	5	5	16	2	10	2	4	5	1	2	3			
	15	1013.3	-	-	8.7	1.6	9.0	79	5.6	0	3	9	10	8	0	0	0	0	0	0	19	8	3	0	3	9	17	1	9	5	3	3	1	2	3			
	21	1013.4	-	-	7.3	1.2	8.5	82	5.2	4	3	4	9	10	0	0	0	0	0	3	20	7	0	1	2	1												



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

APRIL 1978

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 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE					N	NE	E	SE	S	SW	W	NW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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CILFYNYDD	195	3	1013.3	-	5.0	0.9	7.6	86	6.2	2	3	2	7	14	2	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0</



APRIL 1978

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

STATION	MAXIMUM °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																	
LERWICK (PSYCHROMETER)	0	6	24	0	0	0	0	0	CAMBRIDGE BOTANIC GARDENS	0	1	11	16	2	0	0	0	0	0	7	14	9	0	0	0
LERWICK (SCREEN)	0	6	24	0	0	0	0	0	EDOBASTON	0	1	19	10	0	0	0	0	0	0	4	20	6	0	0	0
STORNOWAY	0	2	22	6	0	0	0	0	KEM (PSYCHROMETER)	0	0	15	12	3	0	0	0	0	0	5	10	15	0	0	0
CRAIBSTONE	0	6	19	5	0	0	0	0	KEM (NORTH-WALL SCREEN)	0	0	13	14	3	0	0	0	0	0	2	12	16	0	0	0
ROTHESAY	0	2	18	10	0	0	0	0	HASTINGS	0	0	18	10	2	0	0	0	0	0	2	13	15	0	0	0
ABBOTSINCH	0	1	18	11	0	0	0	0	SOUTHAMPTON	0	0	10	18	2	0	0	0	0	0	4	10	16	0	0	0
ESKDALEMUIR (PSYCHROMETER)	0	4	19	7	0	0	0	0	STONTHURST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ESKDALEMUIR (SCREEN)	0	4	19	7	0	0	0	0	VALLEY	0	1	11	16	2	0	0	0	0	0	3	15	12	0	0	0
DOUGLAS	0	1	20	9	0	0	0	0	RHOOSE	0	0	14	14	2	0	0	0	0	0	4	15	11	0	0	0
BOULMER	0	1	27	2	0	0	0	0	FALMOUTH	0	1	13	16	0	0	0	0	0	0	1	17	12	0	0	0
MULL	0	2	18	10	0	0	0	0	ALDERBOROYE	0	1	16	13	0	0	0	0	0	0	4	18	8	0	0	0
GORLESTON	0	1	27	2	0	0	0	0	ARMAGH	0	1	15	12	2	0	0	0	0	0	5	16	9	0	0	0

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

APRIL 1978

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES  ABOVE NSL ABOVE GROUND EFFECTIVE		DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										HIGHEST VALUES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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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	SEPTEMBER	BLACKBURN SEWAGE WORKS												(27)	21	15	11														
	OCTOBER	AROS										191				24	20														
		KNAPDALE FOREST										179		21	5	24	21														
		CUMNOCK														21	15														
	NOVEMBER	KNAPDALE FOREST										199		31	27	20	19														
	MARCH	MARGATE		5.6	8.1	+1.8																									
	JULY	ABERYSTWYTH										40	47	10	1	6	6														
	SEPTEMBER	NEWTORPE														(6)	(5)														
		NUNRAW ABBEY	14.0	8.0	11.0		19.0	11	2.3	18		54		11	27	17	11	0	0	0	0	0	1	0					4		
	OCTOBER	PITREAVIE																													
		GRANGEMOUTH	14.0	9.0	11.5		18.0	19	4.5	3,11		126		41	30	18	14	0	0	0	0	0	0	0	0	0	0				
	NOVEMBER	PORTHCAWL												22	8																
	DECEMBER	DERRYNOYD FOREST	7.7																												
		LOUGHERMORE FOREST	7.4	2.6	5.0																										
		DIVIS MOUNTAIN	5.8		3.7																										
		ROSE BANK		3.8	6.3																										
		DOWNPATRICK																													
		LISNASKEA																													

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.



# MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

MET.0.921

UDC 551 506 1 (41-4)

**MAY**

VOLUME 95

**1978**

NUMBER 5

## Cool first half, with rain in places: warm and dry later.

Depressions to the south-west and south affected southern areas at the beginning of the month, their associated fronts moving mostly northwards over Britain. A ridge of high pressure from an anticyclone over Scandinavia extended south-westwards over Scotland on the 7th, however, and by the 9th a belt of high pressure became established from Scandinavia to the Azores. This ridge then moved east and frontal systems crossed all parts of the British Isles from north-west to south-east between the 11th and the 15th. Pressure rose again as a ridge over Norway extended south-westwards across the North Sea, but the ridge retreated northwards a few days later as most areas gradually came within the circulation of a complex low-pressure system over the Continent. This European depression moved east on the 23rd and a ridge of high pressure from the Azores then extended north-eastwards across Britain. An anticyclone developed over the North Sea on the 27th and remained in that area until the end of the month, when it declined a little and drifted east.

### Weather

The month started cool, and it was very cold in parts of Scotland on the night of the 1st/2nd. A little sleet was reported in Shetland on the 2nd. Most areas had rain at times during the first week, but the heaviest falls occurred in southern England, where it was also thundery. Fog occurred from time to time, mostly over high ground in the south. The weather was drier and a little warmer in the early part of the second week and many areas had prolonged sunshine, but it then became cooler, with rain or showers, some of hail, until around mid-month. The second part of May was mainly dry and warm, and although north-easterly winds kept some eastern coasts cooler, and there was coastal fog at times, most areas became very warm and sunny towards the end of the month.

### Wind

Winds were occasionally fresh or strong on exposed coasts, but seldom reached gale force. Speeds were often light during the second half of the month, although onshore breezes affected some coastal districts. Directions were mostly north-easterly, but were occasionally north-westerly.

### Temperature

Monthly mean temperatures were above average in northern and western parts of the United Kingdom and in places on the south coast, but were below average along the coast of north-east England and in most of eastern England south of the Humber. They ranged from about 1.5 °C above the normal in parts of Scotland, away from the eastern coastal strip, to around 1.5 °C below normal along the coast of Norfolk, but most values were within 1 °C of average. Temperatures were rather variable until around mid-month; it was mostly cool, particularly along eastern coasts, but some areas became warm by day between the 7th and 11th. Daytime temperatures were higher during the second half of the month, and although some eastern coasts remained cool, it became very warm generally towards the end of the month and was hot in some inland districts. In Scotland temperatures reached about 27 °C in a few places on the 29th, and on the 31st maxima of around 28 °C were recorded in North Wales and in one or two places in the southern half of England.

### Rainfall

Monthly totals were above average only in parts of north-east England and in a band extending southwards from the Humber to the Home Counties. Rainfall was below average in almost all other parts of the United Kingdom, and most western areas, and a large part of central and southern Scotland, recorded less than half the normal amount. Some districts were particularly dry: less than 25 per cent of the average fell in western Scotland, south of Loch Linnhe, and in parts of north-west England, Dyfed and south-west England. This was the driest May at Stornoway (Western Isles) and Paisley (Strathclyde) since 1890 and 1895 respectively and as little as 4 mm fell during the month at Cally Market Gardens (Dumfries and Galloway) and at Stainburn Reservoir (Cumbria). Heavy rain fell in some areas, however. There was flooding in south-east England and in the Cambridge/Huntingdon area during the first week, and thunderstorms were reported in parts of England. Isolated thunderstorms occurred in Scotland and Northern Ireland on the 22nd, 32 mm of rain falling in 30 minutes at Knockbreckan, near Belfast, and many areas had thundery outbreaks on the 31st.

### Snow

The higher Scottish mountains remained snow-covered throughout the month, with snow lying down to about 600 m at first, but gradually receding. Over much of the remaining high ground in Scotland, however, as in the extreme north of England, only patches of snow and drifts in corries, were still observed by the end of the month. On Dartmoor, where deep snow accumulated earlier in the year, the last known drift disappeared during the first week of May.

### Sunshine

Sunshine totals were a little below average in

south-east England and East Anglia, in Northern Ireland and in parts of western Scotland. Monthly totals were mostly between 100 and 120 per cent of average elsewhere, but exceeded 130 per cent of the normal in the area around Aberdeen. This was the sunniest May along the east coast of Scotland between Dundee and the Moray Firth since 1971. Long sunny periods occurred in many parts of the United Kingdom early in the second week, but sunny spells were more frequent during the second half of the month, and it became very sunny in most areas during the last week.

### Fog

Fog formed fairly frequently. Overnight fog patches in the Midlands and south-eastern England during the first week became thick in places and London/Heathrow Airport was affected by fog on the morning of the 3rd. Fog patches continued to occur in inland areas from time to time, chiefly during the early part of the third week and at times in the last week, but most of this overnight fog cleared during the following morning. Hill fog, which was sometimes associated with precipitation, occurred at times over England and Wales until about the 11th, and occasionally affected southern Scotland during the latter part of the month. Coastal fog occurred more frequently, particularly during the second half of the month, and was sometimes persistent. Eastern coasts were the most affected, but fog was also sometimes slow to clear around northern Scottish coasts and patches of sea fog drifted on to western coasts from time to time.

### Miscellaneous Phenomena

A funnel cloud was observed at Morley St Botolph (Norfolk) in the early afternoon of the 15th and three funnel clouds were seen near Benson (Oxfordshire) on the evening of the same day.

**Table 1 District values**

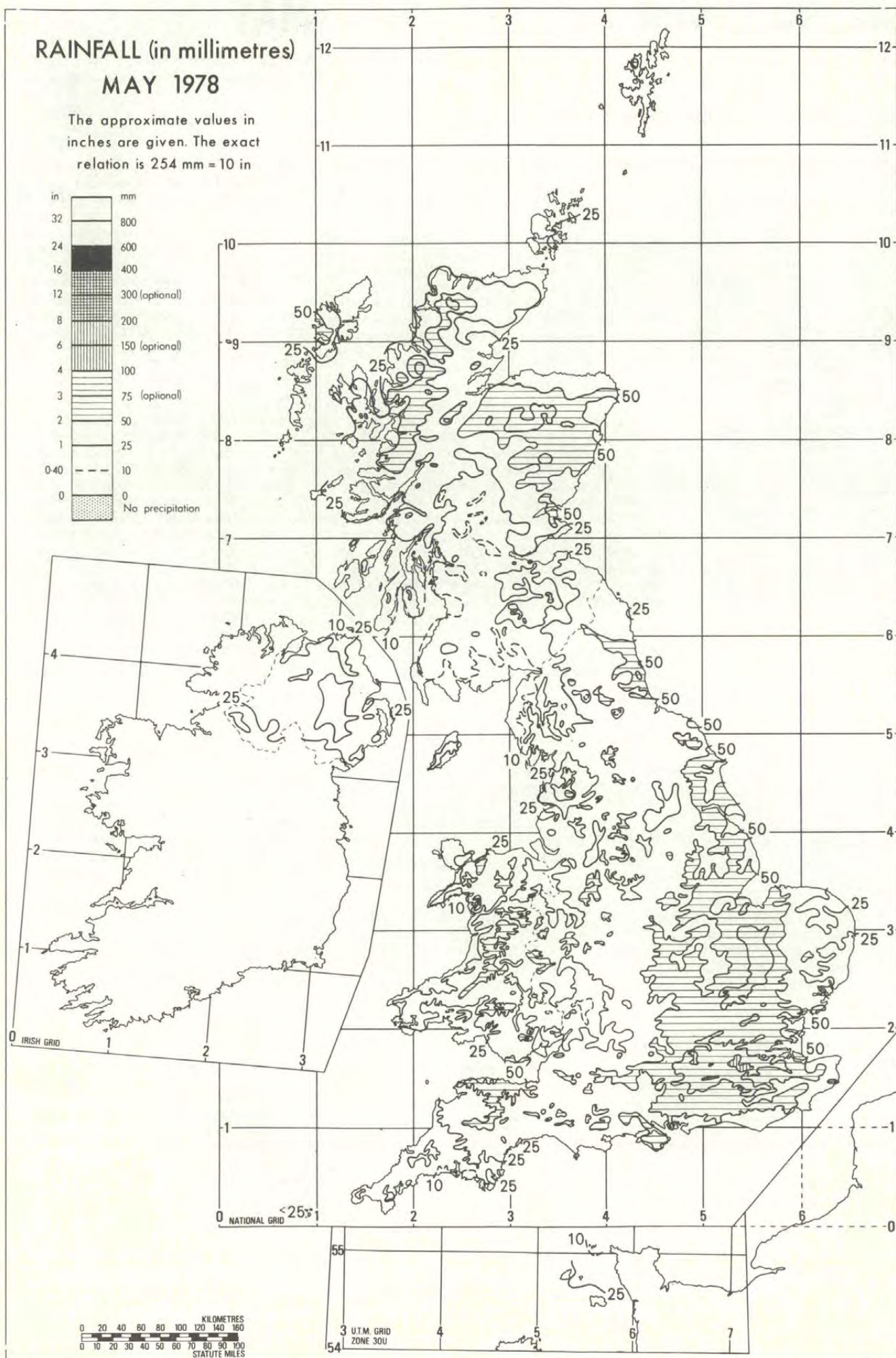
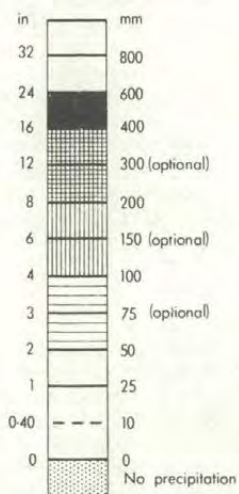
District	air temperature °C					mean 30-cm earth temp °C	rain- days	rainfall	sun- shine
	Highest Max.*	Lowest Min.*	max.	min.	mean				
			difference from average						
0 Scotland N	26.3	−0.5	+1.3	+0.4	+0.9	−0.1	−7	52	109
1 Scotland E	25.7	−1.6	+1.4	+0.7	+1.0	+0.5	−5	56	119
2 England E & NE	28.4	−0.4	−0.7	−0.1	−0.4	+0.3	−3	91	106
3 East Anglia	28.4	0.5	−1.3	−0.3	−0.8	−0.5	−3	111	91
4 Midland Counties	26.7	0.1	+0.2	−0.1	+0.1	−0.1	−3	66	107
5 England SE & Central S	27.0	1.3	−0.2	0.0	−0.1	−0.5	−3	93	95
6 Scotland W	25.8	−1.1	+1.7	+0.3	+1.0	+0.1	−7	22	106
7 England NW & Wales N	27.7	1.2	+1.1	+0.2	+0.7	−0.3	−4	38	112
8 England SW & Wales S	27.1	3.2	+0.3	0.0	+0.1	+0.3	−5	40	106
N Ireland	24.5	−1.5	+1.1	+0.1	+0.6	+0.2	−6	42	89
Scotland	26.3	−1.6	+1.5	+0.5	+1.0	+0.2	−6	43	111
England & Wales	28.4	−0.4	−0.1	−0.1	−0.1	−0.1	−3	73	103

\*Highest maximum and lowest minimum of District Value Stations.



# RAINFALL (in millimetres) MAY 1978

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





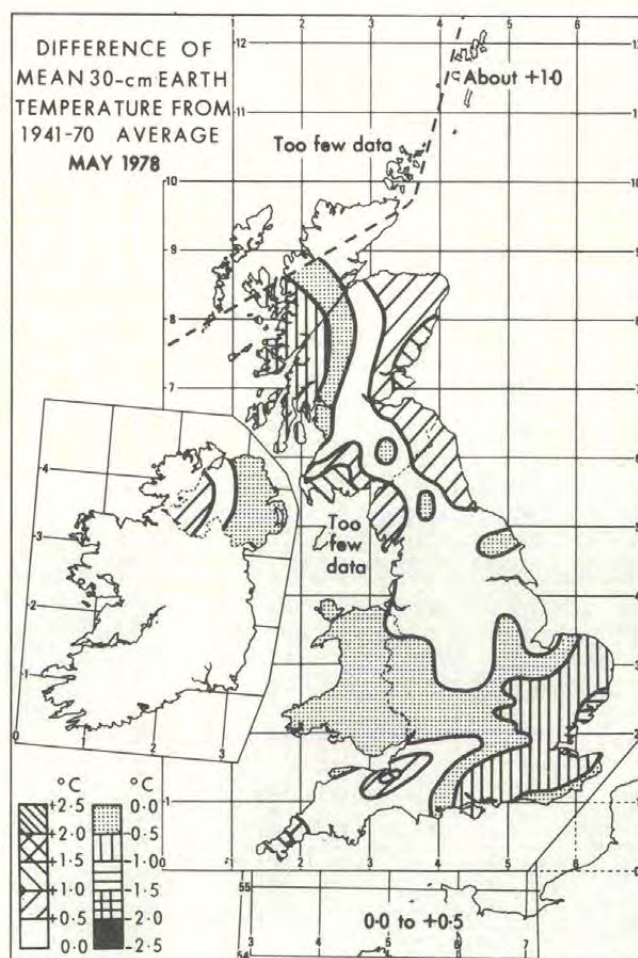
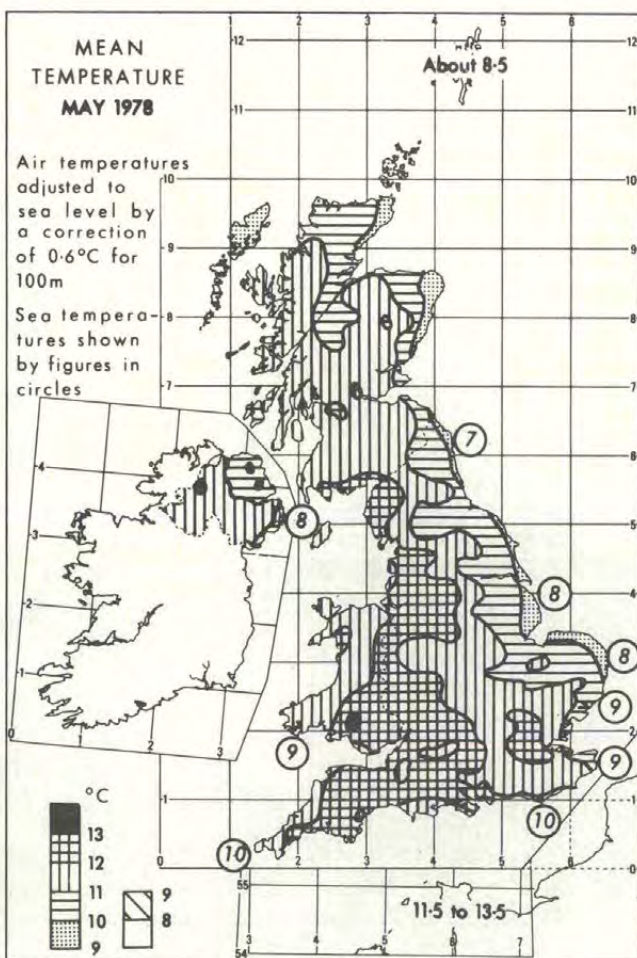
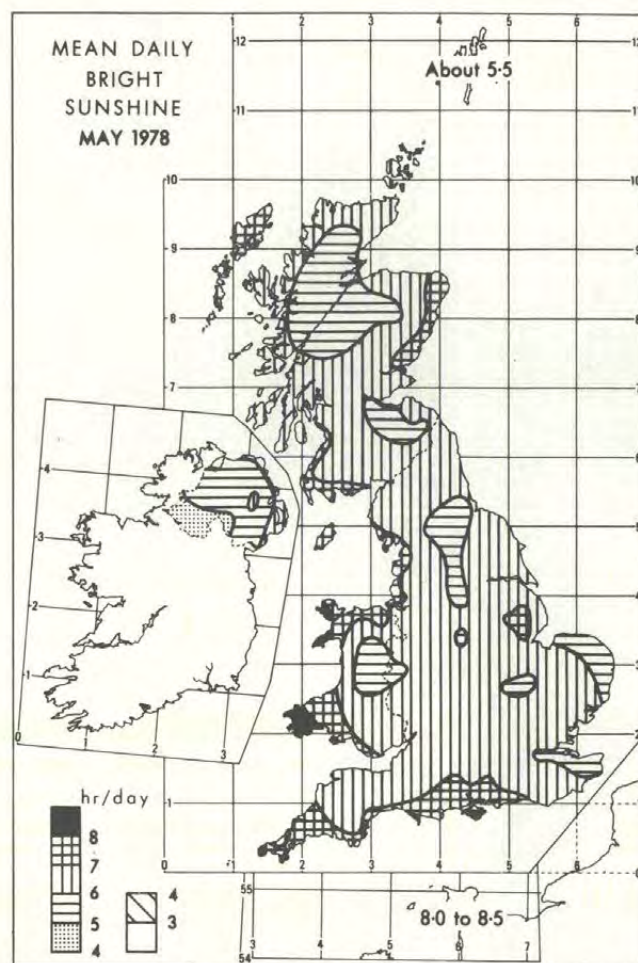
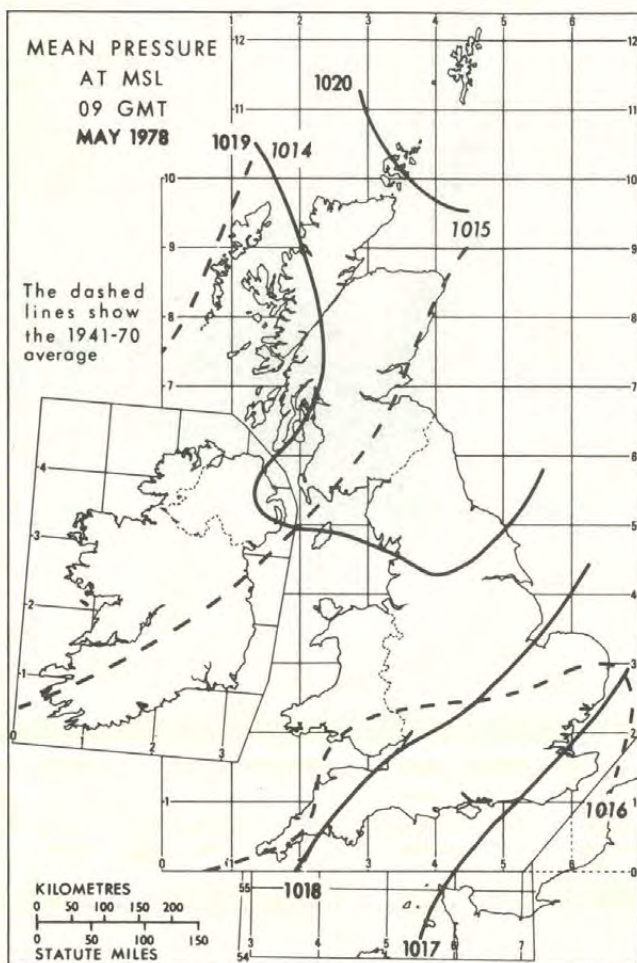




TABLE 2 SOLAR RADIATION

MAY 1978

STATION	DAILY GLOBAL IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)						DAILY DIFFUSE IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	27.4	31	6.3	11	16.90	30	13.2	3	5.5	8	9.65	30
ABERDEEN UNIVERSITY	28.8	30	2.3	5	17.82	31						
ESKDALEMUIR	28.3	9	4.3	5	16.33	31	13.0	21	1.1	29	8.66	31
MOOR HOUSE	28.4	18	3.1	1	16.41	31						
SUTTON BONINGTON												
GRAHAM WATER												
ABERPORTH	27.9	28	3.1	7	18.12	29	14.8	16	3.1	7	8.61	29
CARDINGTON	29.3	25	1.9	2	16.05	30	14.4	19	1.9	2	8.32	30
SILSOE	29.5	25	1.8	2	16.53	31	14.2	19	1.7	2	8.23	31
ROTHAMSTED												
GARSTON												
MALLINGFORD	26.6	26	2.3	5	15.07	31						
LONDON WEATHER CENTRE	30.6	25	1.2	8	16.0	29	13.0	19	1.3	8	8.2	29
KEW	29.6	25	1.7	8	15.94	31	13.6	19	1.7	8	8.19	31
EASTHAMPTON												
EAST MALLING	27.2	25	0.3	1	15.45	31						
RUSTINGTON	31.0	25	2.9	1	18.75	31						
WAREHAM	27.4	26	2.7	1	18.14	31						
JERSEY AIRPORT	27.2	29	4.2	5	20.63	31	14.7	26	4.1	5	10.43	31
ALDERGROVE	27.6	29	7.7	8	17.17	31	13.9	30	6.2	9	9.95	31

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MAY 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL 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	AMOUNT (MM)	DATE	PRECIP- ITATION	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		
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																							
0 SCOTLAND N																																	
SHEPHERD																																	
BALASOUND ...	9 9	24	11.7	4.8	8.3	+0.4	19.0	29.30	0.6	1	8.0	-	39	61	13	11	9	5	0	0	0	0	0	1	0	-	-	0	5.74	114	-		
FAIR ISLE ...	9 9	57	9.7	6.1	7.9	-	15.4	30	2.4	2	8.1	7.1	30	-	10	10	7	5	0	0	0	0	0	4	0	2	-	0	6.22	-	-		
LERWICK	21-9	82																															
PSYCHROMETER ...			10.7	5.6	8.1	-	17.6	30	1.4	2	-	-	40	-	14	10	9	7	0	0	0	0	0	4	0	3	2	0	5.57	110	-		
SCREEN ...			10.8	5.5	8.1	+0.5	17.9	30	1.1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ORKNEY																																	
KIRKWALL AIRPORT ...	21-9	26	12.6	5.9	9.3	+0.8	20.6	29	1.2	3	-	-	35	59	11	13	7	5	0	0	0	0	0	1	0	3	1	0	6.19	118	-		
WEYLAND ...	9 9	24	12.2	6.1	9.1	-	19.7	29	1.9	3	9.6	-	23	-	9	10	7	5	0	0	0	0	0	3	0	3	-	0	-	-	-		
WESTERN ISLES																																	
BENBECULA ...	21-9	6	14.1	7.0	10.5	+0.8	23.2	31	3.5	3	-	-	23	-	5	3	11	7	0	0	0	0	0	0	0	6	0	0	6.81	100	-		
STORNOWAY ...	21-9	15	13.2	6.7	9.9	+0.8	21.4	31	3.4	3	-	-	19	-	7	3	9	5	0	0	0	1	0	0	0	2	0	0	7.15	119	-		
HIGHLAND																																	
ACHARY ...	9 9	107	15.4	4.5	9.9	-	24.5	29	-2.2	3	8.3	-	23	-	5	11	11	9	0	0	0	0	0	0	3	6	-	0	5.63	-	-		
ACHNASHELLACH ...	9 9	67	16.3	6.2	11.3	+1.6	26.3	31	0.0	5	-	-	63	56	17	11	15	12	0	0	0	0	4	0	0	-	-	0	-	-	-		
BALMACARA ...	9 9	4	15.7	7.3	11.5	-	24.9	31	1.1	5	-	-	31	38	15	11	10	4	0	0	0	0	0	0	0	-	-	0	-	-	-		
CAPE WRATH ...	21-9	112	11.5	6.6	9.1	+0.8	21.0	30	2.4	3	-	-	28	45	11	10	8	8	0	0	0	0	0	5	0	1	1	0	6.30	-	-		
CASSLEY ...	9 9	99	15.4	4.9	10.1	-	25.5	31	-1.5	3	-	-	33	-	9	14	12	8	-	-	-	-	-	2	5	-	-	-	-	-	-		
CORPACH ...	9 9	8	-	6.3	-	-	-	-	0.5	5	-	-	24	-	6	3	9	7	0	0	0	0	0	0	0	5	-	-	-	-	-		
CRAIGDARROCH ...	9 9	38	16.9	4.9	10.9	-	26.8	29	-0.9	3	-	-	32	-	11	22	10	7	0	0	0	0	0	0	2	8	-	-	-	-	-		
DALCROSS ...	9 9	11	14.8	6.2	10.5	-	24.0	28	-0.3	3	-	-	42	-	13	22	11	8	-	-	-	-	-	0	1	4	-	-	-	-	-		
DALWHINNIE ...	9 9	351	14.6	3.4	9.0	-	22.9	29	-3.2	2	-	-	24	-	9	22	9	8	0	0	0	0	0	0	4	7	-	-	-	-	-	S	
DIABLO ...	9 9	60	15.9	8.0	11.9	-	26.0	31	2.9	6	-	-	35	-	10	11	12	9	0	0	0	0	2	-	0	-	-	-	-	-	-		
DOUNREAY ...	9 9	21	14.8	5.5	10.1	-	25.2	31	-1.5	2.3	-	-	22	44	5	22	9	7	0	0	0	0	0	0	3	4	-	-	-	-	-		
FORT AUGUSTUS ...	9 9	21	15.5	6.1	10.8	+0.9	26.7	31	0.0	2	-	-	29	-	8	23	8	6	0	0	0	0	2	3	0	-	-	-	-	-	-		
FORTROSE ...	9 9	5	13.2	-	-	-	21.9	28	-	-	-	-	39	76	10	23	11	10	-	-	-	-	-	2	-	-	-	-	-	-	-		
GEISOEL ...	9 9	12	15.6	6.2	10.9	-	25.5	31	1.4	2	-	-	40	-	8	12	11	9	-	-	-	-	-	0	-	-	-	-	-	-	-		
GLENHORE LODGE ...	9 9	341	15.1	3.3	9.2	-	24.2	29	-2.6	3	-	-	81	94	18	22	14	12	0	0	0	0	0	0	5	13	7	0	5.40	-	S		
GRANTOWN-ON-SPEY ...	9 9	229	15.7	4.1	9.9	-	25.3	30	-2.6	3	-	-	79	-	19	22	14	10	0	0	0	0	1	0	6	14	-	-	-	-	-		
HEASTE ...	9 9	109	14.7	6.3	10.5	-	23.8	31	0.4	5	-	-	43	-	13	10	12	8	0	0	0	0	0	0	0	3	-	-	-	-	-		
INVERNESS ...	9 9	4	15.4	7.0	11.2	-	26.1	30	2.3	3	-	-	41	80	11	22	11	8	0	0	0	0	1	1	0	0	-	-	-	-	-		
INVERPOLLY ...	9 9	14	14.9	6.6	10.7	-	23.6	31	0.8	5	9.4	-	30	-	7	11	13	7	0	0	0	0	0	0	0	9	-	-	-	-	-		
ISLE OF RHUM ...	9 9	5	15.7	5.1	10.5	-	24.9	31	-0.6	5	11.1	9.3	31	24	10	3	7	4	0	0	0	0	0	0	1	16	-	-	-	-	-		
KEISS ...	9 9	30	12.0	6.1	9.1	-	18.7	29	0.4	9	9.6	8.0	19	-	5	12	10	5	0	0	0	0	0	1	0	3	-	-	-	-	-		
KNOCKANROCK ...	9 9	244	14.5	5.8	10.1	-	24.5	31	-1.8	2	-	-	58	50	16	12	13	11	0	0	0	0	1	0	1	7	-	-	-	-	-		
LAGGANLIA ...	9 9	250	15.9	2.6	9.3	-	24.6	29	-5.6	2	-	-	49	-	12	22	13	11	0	0	0	0	0	0	8	13	-	-	-	-	-		
LAIRG ...	9 9	107	15.8	4.1	9.9	-	25.8	29	-3.1	3	9.3	7.4	29	-	5	11	11	9	0	0	0	0	1	1	5	9	-	-	-	-	-		
LENTAN ...	9 9	146	15.2	5.0	10.1	-	25.2	29	-0.6	3	-	-	43	-	13	22	11	8	0	0	0	0	2	0	1	8	-	-	-	-	-		
NAIRN ...	9 9	6	14.4	5.9	10.1	+0.6	23.8	28	-0.4	3	-	-	49	103	13	22	11	8	0	0	0	0	0	0	1	5	-	-	-	-	-		
ONICH ...	9 9	15	17.0	5.7	11.3	+1.0	25.4	31	-0.5	5	-	-	35	33	10	11	9	9	-	-	-	-	1	1	4	-	-	-	-	-	-		
POOLEWE ...	9 9	6	15.9	7.4	11.7	-	25.1	31	1.7	2	-	-	29	-	7	11	10	7	0	0	0	0	1	0	0	0	-	-	-	-	-		
PRABOST ...	9 9	67	15.6	6.5	11.1	-	26.1	31	1.6	2	-	-	29	30	7	3	9	6	0	0	0	0	0	0	0	7	-	-	-	-	-		
STRATHCONON ...	9 9	107	16.5	4.5	10.5	-	26.1	31	-1.1	9	-	-	41	-	12	23	10	9	0	0	0	0	1	1	-	2	-	-	-	-	-		
TARBATNESS ...	21-9	18	12.9	6.7	9.8	+0.5	19.8	26	3.5	3	-	-	27	-	7	22	10	9	0	0	0	0	0	1	0	-	-	-	-	-	-		
TOMATIN ...	9 9	311	15.1	3.5	9.3	-	24.5	29	-1.2	3	-	-	59	-	18	22	11	10	-	-	-	-	-	4	-	-	-	-	-	-	-		
TORRISDALE ...	9 9	27	14.7	5.8	10.3	-	24.9	30	-1.0	2	-	-	27	-	5	22	11	9	0	0	0	0	0	0	1	3	-	-	-	-	-		
WICK ...	21-9	36	12.0	6.1	9.1	+0.8	19.1	29	1.0	9	-	-	21	45	7	22	7	5	0	0	0	0	1	1	0	5	1	0	6.40	122	-		



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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MAY 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT 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	DATE	30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	AMOUNT (MM)	DATE	PRECIP- ITATION 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																								
			MAX. (A)	MIN. (B)			MAX.	DATE																																													
1 SCOTLAND E																																																					
GRAMPIAN																																																					
ABERDEEN																																																					
DYCE AIRPORT ...	21-9	58	14.1	5.5	9.8	+0.9	24.0	29	0.3	3	-	-	53	78	11	21	10	9	0	0	0	0	0	9	1	0	0	7.20	131	-																							
BALMORAL ...	9-9	283	15.0	3.2	9.1	+1.0	23.2	29	-2.1	9	-	-	48	72	17	22	13	7	0	0	0	0	7	12	0	0	0	0	0	-																							
BANCHORY ...	9-9	94	15.8	5.3	10.5	-	25.5	29	-0.1	3	-	-	68	-	23	4	10	7	0	0	0	0	0	1	3	0	0	6.55	-	-																							
BANFF ...	9-9	24	14.2	7.0	10.6	-	25.7	29	-1.2	3	-	-	31	59	5	11	11	9	0	0	0	0	0	0	0	0	0	6.72	-	-																							
BRAEMAR ...	9-9	339	15.3	3.6	9.5	+1.3	23.4	29	-1.6	10	-	-	41	60	17	22	13	6	0	0	0	0	7	19	0	0	0	6.18	120	-																							
CLASHNOIR ...	9-9	338	14.6	4.4	9.5	-	24.0	29	-0.6	9,10	8.0	-	68	-	23	22	12	9	1	0	0	0	3	8	0	0	0	5.88	-	-																							
CRAIBSTONE ...	9-9	91	13.6	5.4	9.5	+0.8	22.9	29	0.6	3	9.7	7.9	56	79	11	4	10	9	0	0	0	0	0	0	0	0	0	7.36	130	-																							
CULTERTY ...	9-9	3	12.6	5.6	9.1	-	(21.8)	28	0.5	3	-	-	49	88	13	12	10	9	0	0	0	0	3	0	0	0	0	0	0	-																							
ELGIN ...	9-9	15	15.0	-	-	-	24.5	30	-	-	-	-	31	58	11	22	10	6	0	0	0	0	0	0	0	0	0	0	6.21	-																							
FOREHILL ...	9-9	40	12.1	6.1	9.1	-	19.8	29	2.5	3	-	-	54	-	14	12	10	8	0	0	0	0	0	0	2	0	0	0	0	-																							
FORRES ...	9-9	5	15.8	6.6	11.2	+1.5	24.4	31	-0.6	3	12.3	9.5	45	-	12	22	10	8	0	0	0	0	0	2	3	0	0	6.13	112	-																							
FRASERBURGH ...	21-9	19	12.8	6.6	9.7	-	23.6	29	3.4	3	-	-	61	85	9	4	9	9	0	0	0	0	0	0	0	0	0	7.06	-	-																							
FYVIE CASTLE ...	9-9	55	14.7	4.8	9.7	-	25.0	29	-1.5	2,3	-	-	56	86	15	4	12	10	0	0	0	0	2	4	0	0	0	0	0	-																							
GARTLY ...	9-9	146	15.1	4.9	10.0	-	24.8	29	-0.9	3	-	-	63	-	12	22	13	11	0	0	0	0	3	6	0	0	0	0	0	-																							
GLENLIVET ...	21-9	215	15.6	4.1	9.9	-	25.1	29	-1.4	2	-	-	69	99	14	22	14	11	0	0	1	0	0	4	10	3	0	6.00	-	5																							
INVERURIE ...	9-9	54	15.0	4.8	9.9	-	24.3	29	-1.5	3	-	-	50	-	14	4	11	10	0	0	0	0	1	0	0	0	0	6.68	-	-																							
KEITH ...	9-9	106	15.3	5.2	10.3	-	26.4	29	-0.9	3	-	-	36	-	13	22	13	9	0	0	0	0	0	1	6	0	0	6.62	-	-																							
KINLOSS ...	21-9	5	15.2	6.6	10.9	+1.2	25.7	31	-1.2	3	9.8	-	43	87	13	27	10	8	0	0	0	0	0	2	6	2	0	6.18	-	-																							
LOSSIEMOUTH ...	21-9	6	14.7	6.6	10.7	-	25.9	31	1.0	3	-	-	27	55	7	12	9	7	0	0	0	0	2	0	0	0	0	0	0	-																							
TAYSIDE																																																					
ARBROATH ...	9-9	29	12.6	7.1	9.9	-	18.4	27,29	4.0	2	-	-	46	82	16	21	9	5	0	0	0	0	0	3	0	0	0	7.25	118	-																							
ARDALNAIG ...	9-9	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																							
DALL ...	9-9	232	16.0	3.1	9.5	-	24.6	29	-4.2	2	-	-	19	26	8	22	10	5	0	0	0	0	0	0	8	16	0	0	0	-																							
DRUMMOND CASTLE ...	9-9	113	16.1	5.7	10.9	-	24.4	29	-0.2	2	10.4	-	11	-	5	22	8	4	0	0	0	0	0	1	7	0	0	6.94	-	-																							
DUNDEE ...	9-9	45	14.8	7.0	10.9	+0.8	23.9	29	3.0	9	12.4	-	53	82	20	22	9	6	0	0	0	0	0	1	0	4	0	7.07	130	-																							
FASKALLY ...	9-9	94	16.7	5.3	11.0	-	25.5	29	-1.4	2	10.4	8.5	35	52	12	21	11	7	0	0	0	0	0	0	1	13	0	0	0	-																							
KINDROGAN ...	9-9	259	15.6	3.4	9.5	-	23.7	29	-1.8	8	-	-	44	-	18	22	9	7	0	0	0	0	0	7	13	0	0	0	0	-																							
KINROSS ...	9-9	116	-	-	-	-	-	-	-	-	-	-	26	-	18	22	7	4	0	0	0	0	0	0	0	0	0	0	0	-																							
MONTEROSE ...	9-9	57	13.5	6.4	9.9	-	21.8	26	2.3	3	-	-	48	75	16	4	9	7	0	0	0	0	2	0	2	0	0	0	0	-																							
MYLNEFIELD ...	9-9	30	14.7	6.9	10.8	-	23.7	29	2.3	9	10.9	8.4	48	79	17	22	9	6	0	0	0	0	0	0	0	0	0	7.33	-	-																							
PERTH ...	9-9	23	17.0	6.0	11.5	+1.1	27.0	29	0.2	9	-	-	31	49	12	22	7	6	0	0	0	0	0	4	0	0	0	6.55	117	-																							
STRATHALLAN ...	9-9	41	16.7	6.6	11.7	-	25.6	29	0.5	9	-	-	33	-	13	22	10	5	0	0	1	0	0	0	7	0	0	0	0	-																							
USAN ...	21-9	30	11.8	6.7	9.3	-	18.0	29	3.2	12	-	-	38	-	11	4	9	7	0	0	0	0	0	3	0	0	0	7.32	-	-																							
WHITEILLOCKS ...	9-9	258	15.2	3.7	9.5	-	23.8	29	-1.2	3	-	-	64	69	27	22	9	7	0	0	0	0	0	4	12	0	0	0	0	5																							
FIFE																																																					
BELLISTON ...	9-9	82	14.2	6.9	10.5	-	23.0	29	2.5	12	10.4	-	29	44	9	4	7	6	0	0	0	0	2	0	3	0	0	0	0	-																							
CUPAR ...	9-9	36	15.3	6.4	10.9	-	25.2	29	-0.2	9	11.5	-	44	-	18	22	9	7	0	0	0	0	0	1	4	0	0	6.59	-	5																							
GLENROTHES ...	9-9	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																							
LEUCHARS ...	21-9	10	13.7	6.3	10.0	+0.3	24.0	29	0.5	9	-	-	54	94	21	22	8	7	0	0	0	0	1	0	7	5	0	0	6.86	113	-																						
PITREAVIE ...	21-9	40	15.6	6.9	11.3	-	24.5	30	1.2	9	-	-	29	52	10	22	11	8	0	0	0	0	0	0	1	1	0	0	0	-																							
ST ANDREWS ...	9-9	18	14.2	7.0	10.6	-	24.0	29	1.6	9	11.6	9.2	45	76	22	22	9	7	0	0	0	0	3	0	5	0	0	0	6.64	-	-																						
LOTHIAN																																																					
BUSH HOUSE ...	9-9	184	14.5	5.6	10.1	-	24.4	29	0.6	9	10.1	8.2	22	32	5	22	10	7	0	0	0	0	0	1	0	8	0	0	5.05	-	-																						
DUNBAR ...	9-9	23	13.6	7.1	10.3	+0.8	23.0	29,30	2.0	9	-	-	29	60	10	4	10	7	0	0	0	0	0	3	0	0	0	0	6.45	106	-																						
EDINBURGH																																																					



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MAY 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H (GMT) 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		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION	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			
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																								
6 SCOTLAND W																																		
STRATHCLYDE																																		
ACHAGLACHOACH ...	9 9	12	16.0	6.4	11.2	-	24.5	31	1.4	16	-	-	20	21	7	11	7	6	0	0	0	0	0	0	0	7	0	0	0	0	0	0		
AROS ...	9 9	37	16.2	5.8	11.0	-	24.6	31	0.4	5	-	-	33	10	11	11	8	7	0	0	0	0	0	0	10	0	0	0	0	0	0			
AUCHINCRIE ...	9 9	45	16.1	6.7	11.4	+1.1	25.4	31	2.8	17	10.2	8.9	7	13	3	13	7	2	0	0	0	0	0	0	9	0	0	0	0	0	0			
BENMORE (YOUNGER BOTANIC GARDEN)	9 9	12	16.5	6.2	11.3	-	25.1	29	0.0	9	11.2	-	21	16	5	11	10	9	0	0	0	0	0	0	6	0	0	0	0	0	0			
BRODICK CASTLE ...	9 9	15	15.9	6.5	11.2	-	25.0	29	1.7	9	12.4	-	13	12	4	11	8	5	0	0	0	0	0	0	9	0	0	0	0	0	0			
CAMPS RESERVOIR ...	9 9	295	14.8	3.9	9.3	-	23.8	31	-2.0	9	-	-	28	34	10	22	11	6	1	0	0	0	0	0	1	0	0	0	0	0	0			
CARNMATH ...	9 9	208	15.5	3.8	9.7	-	24.5	31	-2.8	9	9.7	-	30	50	9	22	12	12	0	0	0	0	0	0	10	3	0	0	0	0	0			
COATBRIDGE ...	9 9	66	16.5	6.6	11.5	-	26.5	29	0.5	9	-	-	9	16	2	22	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
COLONSAY ...	9 9	35	14.9	7.2	11.1	-	23.1	31	3.6	9	-	-	29	10	3	11	10	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
CRAIGHOUSE ...	9 9	4	14.6	6.7	10.7	-	22.0	28	3.9	9	-	-	24	-	8	11	9	6	0	0	0	0	0	0	2	0	0	0	0	0	0	0		
CRAWFORD JOHN ...	9 9	274	15.5	4.0	9.7	-	24.0	31	-1.0	9,20	9.1	-	-	-	-	-	-	0	0	0	0	0	0	0	8	2	0	0	0	0	0	0		
CUNNOCK ...	9 9	99	16.4	5.8	11.1	-	25.7	31	0.9	5	11.1	-	14	6	11	11	10	4	0	0	0	0	0	0	2	0	0	0	0	0	0	0		
DUNSTAFFRAGE ...	9 9	3	15.6	6.4	11.0	-	23.8	31	0.6	5	-	-	21	6	11	11	8	5	0	0	0	0	0	0	6	0	0	0	0	0	0	0		
EAST KILBRIDE ...	9 9	178	15.5	6.4	10.9	-	24.9	29,31	0.8	9	-	-	12	3	5	5	10	5	0	0	0	0	0	0	2	0	0	0	0	0	0	0		
GIRVAN ...	9 9	8	16.2	8.1	12.1	-	25.6	29	4.6	1	-	-	15	27	7	11	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
GLASGOW																																		
ABBOTSLINCH AIRPORT ...	21-9	5	16.7	6.4	11.5	+0.8	25.8	29	-0.5	9	-	-	8	-	2	5	7	3	0	0	0	0	0	0	6	2	0	0	0	0	0	0		
SPRINGBURN PARK ...	9 9	107	16.5	7.0	11.7	+1.3	25.6	29	2.0	9	-	-	16	22	4	22	9	8	0	0	0	0	0	0	1	0	0	0	0	0	0	0		
WEATHER CENTRE (X)	21-9	40	16.7	8.7	12.7	-	25.8	31	4.6	2	-	-	10	-	4	22	8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
GREENOCK ...	9 9	61	-	-	-	-	-	-	-	-	-	-	7	8	3	3	4	3	0	0	0	0	0	0	-	-	-	-	-	-	-	-		
HELENSBURGH ...	9 9	96	-	6.4	-	-	-	-	-	-	-	-	9	11	3	3,11	5	4	0	0	0	0	0	0	-	-	-	-	-	-	-	-		
HUNTERSTON ...	9 9	8	15.7	7.9	11.8	-	24.5	31	1.5	9	-	-	7	-	2	13	6	4	0	0	0	0	0	0	-	-	-	-	-	-	-	-		
KILDONAN ...	9 9	18	14.8	7.0	10.9	-	24.6	31	2.3	5	-	-	12	-	(4)	11	9	6	0	0	0	0	0	0	2	1	0	0	0	0	0	0		
KNAPDALE FOREST ...	9 9	12	16.3	5.7	11.0	-	25.0	31	-0.5	9	-	-	19	-	4	10	9	6	0	0	0	0	0	0	1	0	0	0	0	0	0	0		
LEADHILLS ...	9 9	388	14.5	4.0	9.3	-	23.5	31	-2.0	9	-	-	27	25	13	11	9	6	0	0	0	0	0	0	12	0	0	0	0	0	0	0		
MACHRIHANISH ...	21-9	10	14.8	7.0	10.9	-	22.6	31	2.3	10	-	-	16	24	4	11,13	10	6	0	0	0	0	0	0	3	0	0	0	0	0	0	0		
MILLPORT ...	9 9	5	15.4	7.9	11.7	-	23.8	31	3.5	5	-	-	9	13	2	11	6	5	0	0	0	0	0	0	-	-	-	-	-	-	-	-		
PAISLEY ...	9 9	32	17.2	7.8	12.5	+1.4	26.4	29	3.1	9	11.4	9.2	7	9	2	5	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PRESTWICK ...	21-9	16	15.9	6.3	11.1	-	25.4	31	2.0	9	-	-	9	15	3	13	8	3	0	0	0	0	0	0	7	2	0	0	0	0	0	0		
RHUVA ...	21-9	20	14.1	7.7	10.9	-	22.4	31	5.1	2	-	-	16	23	7	11	9	5	0	0	0	0	0	0	2	0	0	0	0	0	0	0		
ROTHESAY ...	9 9	43	15.8	7.5	11.7	-	24.5	31	3.0	5	9.7	8.0	13	16	5	11	8	5	0	0	0	0	0	0	5	0	0	0	0	0	0	0		
SLOY ...	21-9	12	16.5	6.5	11.5	-	24.9	29	1.4	9	-	-	21	-	5	11	10	7	0	0	0	0	0	0	-	-	-	-	-	-	-	-		
STRONACHULLIN ...	9 9	2	15.5	6.8	11.1	-	24.3	31	2.7	9	-	-	17	-	8	11	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TIREE ...	21-9	9	13.8	7.1	10.5	+0.6	19.2	31	0.3	2	-	-	24	42	9	13	7	5	0	0	0	0	0	0	8	2	0	0	0	0	0	0		
UPLANDMOOR ...	9 9	128	15.9	5.9	10.9	-	25.5	31	0.4	5	-	-	17	-	5	18	9	6	0	0	0	0	0	0	8	0	0	0	0	0	0	0		
CENTRAL																																		
ARROCHMORE ...	9 9	30	16.3	6.5	11.4	-	24.2	29	1.5	9	-	-	14	-	3	11	8	6	0	0	0	0	0	0	9	0	0	0	0	0	0	0		
CALLANDER ...	9 9	107	16.9	5.1	11.0	-	26.0	29	0.6	17	-	-	11	11	3	22	7	5	0	0	0	0	0	0	8	0	0	0	0	0	0	0		
EARLS HILL ...	21-9	335	14.2	5.5	9.9	-	23.3	29	1.0	2	-	-	14	-	4	22	10	7	0	0	0	0	0	0	6	2	0	0	0	0	0	0		
FALKIRK ...	9 9	3	16.3	7.0	11.7	-	26.3	29	0.6	9	-	-	10	-	6	22	6	2	0	0	0	0	0	0	-	-	-	-	-	-	-	-		
GRANGEHOUTH ...	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
PARKHEAD ...	9 9	107	16.9	6.6	11.7	-	26.9	29	0.3	9	11.3	-	14	-	6	22	8	6	0	0	0	0	0	0	-	-	-	-	-	-	-	-		
STIRLING (BATTERFLATS)	9 9	38	17.4	6.2	11.8	-	26.7	29	-1.1	9	10.7	8.8	8	-	3	22	8	3	0	0	0	0	0	0	1	10	0	0	0	0	0	0		
DUM																																		



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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MAY 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(OMT) 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	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			
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																							
2 ENGLAND E & NE -CONTINUED																																	
DURHAM	9 9	102	15.4	6.0	10.7	+0.6	23.8	29	2.0	25	11.5	9.1	53	104	20	5	10	8	-	0	-	-	-	0	0	0	-	-	5.76	107	5		
LOW ETHERLEY	9 9	155	15.0	4.9	9.9	-	24.4	29	1.1	25	9.8	8.0	36	-	16	5	10	6	-	0	-	-	-	1	0	11	-	0	-	-	-		
WIDDYBANK FELL	9 9	513	13.1	3.3	8.2	-	21.7	29	-1.2	19	6.7	-	-	-	-	-	-	-	-	0	-	-	2	3	12	-	-	6.21	-	-	-		
CLEVELAND																																	
HARTBURN GRANGE	9 9	31	15.1	5.6	10.3	-	25.2	31	1.4	25	-	-	36	89	21	5	8	5	0	0	0	0	0	1	0	4	-	0	5.54	-	-	-	
HARTLEPOOL	9 9	9	12.9	7.3	10.1	-0.4	19.6	29	5.0	18	-	-	45	105	27	5	7	6	0	0	0	0	0	0	0	-	-	5.96	-	-	-		
NORTH YORKSHIRE																																	
ASKHAM BRYAN	9 9	33	15.7	5.8	10.7	-	25.4	31	3.0	3	-	-	25	51	9	4	9	5	0	0	0	0	0	0	0	5	-	0	6.36	111	-	-	
CANWOOD	9 9	6	15.7	6.2	10.9	-	24.6	31	3.5	3.19	10.9	9.6	24	52	9	5	9	5	0	0	0	0	0	0	0	4	-	0	6.20	-	-	-	
HIGH MONTHORPE	9 9	175	13.6	5.7	9.7	-	22.5	31	3.1	20	9.8	-	59	107	22	5	7	7	0	0	0	0	0	3	0	4	-	0	6.74	-	-	-	
LEEMING	21-9	32	15.6	6.4	11.0	-	25.7	31	2.9	10	11.1	8.9	41	90	14	5	11	7	0	0	0	0	0	1	0	0	0	0	5.89	-	-	-	
MALHAM TARN	9 9	395	(14.1) (5.1)	(9.6)	(+0.9)	-	22.0	31	1.0	18	(9.1)	-	37	38	9	5	(8) (6)	0	0	0	0	0	2	0	1	-	-	0	-	-	-		
PICKERING	9 9	44	15.4	5.3	10.3	-	23.9	31	1.6	10.25	-	-	35	73	18	5	6	6	0	0	0	0	0	0	0	2	-	0	-	-	-		
SCARBOROUGH	9 9	52	(12.9) (6.4)	(9.7)	-	-	20.5	29	3.8	18	(10.8) (9.3)	-	49	102	27	5	7	6	0	0	0	0	0	0	0	0	0	0	6.40	108	-	-	
SILPHO MOOR	9 9	203	13.5	5.3	9.4	-	22.0	31	1.6	4	9.0	-	49	75	24	5	9	6	0	0	0	0	1	2	0	2	-	0	6.70	-	-	-	
SNATZEHOLME	9 9	290	14.2	4.0	9.1	-	22.8	28	-0.6	18	9.0	-	40	-	7	11	9	9	0	0	0	0	0	3	1	9	-	0	5.64	-	-	-	
WHITBY	9 9	41	12.8	6.5	9.7	-	22.7	29	2.6	18	-	-	52	-	29	5	8	6	0	0	0	0	1	0	0	2	-	0	6.54	-	-	-	
WHITBY (CONSTGUARD)	21-9	60	11.5	6.6	9.1	-	20.6	29	1.3	18	-	-	54	-	29	5	9	6	0	0	0	0	1	2	0	-	-	0	-	-	-		
YORK (HESLINGTON)	9 9	19	16.2	5.9	11.1	-	26.0	31	3.1	3	11.2	9.8	32	72	11	5	9	7	0	0	0	0	0	0	0	1	-	0	6.68	-	-	-	
HUMBERSIDE																																	
BRIDLINGTON	9 9	48	11.5	6.1	8.8	-	19.3	31	3.8	25	-	-	43	80	26	5	7	5	0	0	0	0	0	0	0	1	-	0	6.55	-	-	-	
CLEETHORPES	9 9	7	12.8	7.2	10.0	-1.0	17.1	23	4.4	17	-	-	46	101	30	5	9	6	-	0	-	-	-	0	0	-	-	6.32	102	-	-	-	
HULL	9 9	2	14.8	6.8	10.8	-0.6	22.9	31	2.9	17	11.8	9.7	54	113	31	5	10	6	0	0	0	0	0	0	0	0	-	0	6.76	117	-	-	
LINCOLNSHIRE																																	
BINBROOK	21-9	108	13.2	5.9	9.5	-	21.3	31	2.6	10.25	-	-	47	90	28	5	9	6	0	0	0	0	1	2	0	4	1	0	6.85	-	-	-	
CAISTOR	9 9	21	14.9	5.8	10.3	-	23.7	31	1.4	10	-	-	52	-	26	5	9	6	-	-	-	-	-	0	-	-	-	0	-	-	-		
CRAWNELL	9 9	62	15.0	5.9	10.5	-0.6	25.0	31	1.6	10	11.8	10.0	60	122	31	5	9	8	0	0	0	0	1	3	0	2	0	0	6.86	108	-	-	
KIRTON	9 9	4	14.4	5.6	10.0	-	23.1	31	2.0	25	10.2	8.9	55	-	29	5	8	6	0	0	0	0	1	1	0	9	-	0	6.97	-	-	-	
LINCOLN	9 9	6	15.4	5.4	10.4	-0.7	25.0	31	-0.4	10	10.9	9.5	50	-	28	5	10	6	0	0	0	0	0	1	0	1	5	-	0	6.75	-	-	-
SKEGNESS	9 9	5	(11.3) (7.0)	(9.4)	(-1.4)	-	16.0	31	4.0	25	-	-	46	105	24	5	8	7	0	0	0	0	0	0	0	0	0	0	(6.46) (100)	-	-	-	
SUTTON BRIDGE	9 9	4	-	-	-	-	-	-	-	-	-	-	68	138	40	5	8	7	0	0	0	0	1	-	-	-	-	0	-	-	-		
WADDINGTON	21-9	68	15.1	6.1	10.6	-0.5	25.2	31	0.9	10	-	-	48	104	29	5	11	7	0	0	0	0	1	2	0	5	0	0	7.07	108	-	-	
3 EAST ANGLIA																																	
NORFOLK																																	
COLTISHALL	21-9	17	13.4	6.5	9.9	-	24.4	31	2.1	17	-	-	24	55	8	5	7	6	0	0	0	0	0	1	0	5	0	0	-	-	-	-	
CROMER	9 9	54	12.2	6.7	9.5	-1.6	23.8	31	4.7	10.14	-	-	31	67	10	5	8	7	0	-	-	0	0	0	5	0	4	-	0	5.08	79	-	-
GORLESTON	9 9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MARHAM	21-9	23	15.0	6.7	10.9	-	26.3	31	3.4	17	-	-	68	-	39	5	8	7	0	0	0	2	1	0	0	2	0	0	6.54	-	-	-	
MORLEY ST BOTOLPH	9 9	46	14.8	5.9	10.3	-	26.6	31	1.9	17	11.6	-	33	-	8	5	9	7	0	0	0	1	0	0	1	0	3	0	0	6.04	-	-	-
SANTON DOWNHAM	9 9	24	16.1	4.2	10.1	-	27.2	31	-2.5	26	10.3	9.2	44	91	23	5	10	7	0	-	-	-	0	0	3	18	-	0	6.15	-	-	-	
SCOLE	9 9	27	15.8	6.2	11.0	-	26.5	31	0.9	17	12.3	11.0	25	-	7	5	8	7	0	0	0	0	0	0	0	0	0	0	6.19	-	-	-	
TERRINGTON ST CLEMENT	9 9	3	14.8	5.9	10.3	-1.0	28.4	31	2.4	17	11.3	-	66	137	38	5	10	6	0	0	0	0	0	1	0	6	-	0	6.43	100	-	-	
CAMBRIDGESHIRE																																	
BOXWORTH	9 9	53	15.5	5.6	10.5	-	25.8	31	1.7	16	-	-	63	129	47	5	10	6	0	0	0	0	1	1	0	2	-	0	5.84	-	-	-	
CAMBRIDGE																																	
BOTANIC GARDEN	9 9	12	(16.3) (6.5)	(11.4)	(-0.5)	-	27.1	31	2.0	16	(12.2) (10.3)	-	71	158	52	5	8	5	0	0	0	0	0	0	0	1	-	0	-	-	-	-	
NATIONAL INSTITUTE OF AGRICULTURAL BOTANY	9 9	24	16.0	6.1	11.1	-	26.5	31	1.6	26	-	-	78	177	59	5	7	5	0	0	0	0	1	1	0	5	-	0	6.05	94	-	-	
MARCH	9 9	2	(16.2) (6.2)	(11.2)	-	-	27.6	31	3.8	26	-	-	85	171	45	5	11	10	-	0	-	-	-	-	-	0	-	-	-	-	-	-	
MARHOLM	9 9	21	(15.9) (4.8)	(10.3)	-	-	26.1	31	1.1	25	-	-	40	-	27	5	9	7	-	-	-	-	-	-	0	11	-	-	-	-	-	-	
NEPAL	9																																



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

MAY 1978

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 AMOUNT (MM)	DATE	PRECIP- ITATION 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	ORLE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE				
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																								
4 MIDLAND COUNTIES																																		
WEST YORKSHIRE																																		
BRADFORD ...	9 9	134	15.2	6.5	10.9	+0.4	24.5	31	4.3	19	10.6	8.7	42	66	15	4	10	7	0	0	0	0	0	0	0	0	0	0	0	0	0	5.82	105	S
BRAMHAM ...	9 9	54	15.5	5.6	10.5	-	24.4	31	2.2	17	-	-	46	86	28	4	12	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5.57	106	-
HUDDERSFIELD (OKES)	21-9	232	15.6	5.9	10.7	+0.3	25.2	31	3.3	9.20	9.7	7.3	50	70	19	4	14	6	0	0	0	0	0	0	0	0	0	0	0	0	0	5.98	109	-
ILKLEY ...	9 9	83	16.1	6.4	11.3	+0.6	25.2	31	3.3	10	-	-	33	52	11	5	9	7	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-
PONTEFRAC ...	9 9	78	15.7	6.6	11.1	+0.2	24.8	31	4.4	3	-	-	20	40	(6)	4	(11)	(5)	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-
TODMORDE ...	9 9	160	15.7	5.9	10.8	-	24.9	31	2.3	10	-	-	33	-	10	4	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-
WILSON ...	9 9	262	14.7	5.4	10.1	-	25.0	31	3.0	3	-	-	46	-	22	4	11	5	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-
SOUTH YORKSHIRE																																		
FINNINGLEY ...	21-9	10	16.3	6.4	11.3	-	26.5	31	3.8	19	-	-	25	53	14	5	10	5	0	0	0	0	0	0	0	0	0	0	0	0	0	6.45	-	-
SHEFFIELD																																		
DORE ...	9 9	206	15.8	6.5	11.1	-	24.7	31	4.3	1.2.20	-	-	27	-	15	5	13	6	0	0	0	0	0	0	0	0	0	0	0	0	0	5.83	111	-
WESTON PARK ...	9 9	131	(16.1)	(7.1)	(11.6)	(+0.3)	26.2	31	(4.5)	2	11.1	9.1	35	53	13	5	14	8	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-
DERBYSHIRE																																		
ASHOVER ...	9 9	178	15.8	6.1	10.9	-	25.7	31	3.0	15	-	-	33	-	14	5	13	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6.24	-	-
BUXTON ...	9 9	307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DERBY ...	9 9	48	16.7	7.2	11.9	-	27.0	31	3.7	10	-	-	27	53	16	5	9	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5.89	-	S
WINGERWORTH ...	9 9	116	15.9	5.5	10.7	-	25.4	31	0.9	10	10.8	-	39	-	15	5	12	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6.08	-	-
NOTTINGHAMSHIRE																																		
MANSFIELD ...	9 9	114	15.5	6.4	10.9	-0.2	25.5	31	3.5	19	-	-	36	-	17	5	11	9	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-
NEWTHORPE ...	9 9	58	-	2.5	-	-	-	-	-1.1	14	-	-	30	-	16	5	8	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NOTTINGHAM ...	9 9	59	-	-	-	-	-	-	-	-	-	-	41	84	23	7	6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUTTON BONINGTON ...	9 9	48	16.1	5.3	10.7	-0.4	26.1	31	1.6	10.27	10.8	9.4	39	77	21	5	10	5	0	0	0	0	0	0	0	0	0	0	0	0	0	6.31	110	-
MARSOP ...	9 9	46	15.9	5.2	10.5	-	26.0	31	0.6	10	-	-	29	57	15	5	10	7	0	0	0	0	0	0	0	0	0	0	0	0	0	6.11	-	-
WATNALL ...	21-9	117	15.8	6.5	11.1	0.0	26.5	31	3.7	19	-	-	31	55	16	5	11	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6.18	109	-
STAFFORDSHIRE																																		
KEELE ...	9 9	179	15.4	6.7	11.1	-	23.9	31	3.8	19	10.7	8.3	49	77	21	2	13	9	0	0	0	0	0	0	0	0	0	0	0	0	0	6.30	-	S
OKEN ...	9 9	125	16.2	6.0	11.1	+0.2	26.0	31	3.1	15	11.2	-	39	60	21	2	10	8	0	0	0	0	0	0	0	0	0	0	0	0	0	-	S	
PENKEDGE ...	9 9	101	15.8	5.1	10.5	-	25.5	31	1.7	15	-	-	32	52	18	2	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-
STONE ...	9 9	107	15.6	6.3	10.9	-	24.8	31	3.3	10	-	-	34	56	17	2	11	8	0	0	0	0	0	0	0	0	0	0	0	0	0	6.52	-	-
LEICESTERSHIRE																																		
CALDECOTT ...	9 9	53	15.7	5.5	10.6	-	26.0	31	0.5	10	-	-	46	101	31	5	11	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6.33	-	-
NEWTOWN LINCOLN ...	9 9	119	15.9	6.0	10.9	-	26.1	31	1.7	15	-	-	43	76	20	5	10	8	0	0	0	0	0	0	0	0	0	0	0	0	0	6.52	-	-
SALOP																																		
HAMPTON LODGE ...	9 9	70	17.0	6.2	11.6	-	27.0	31	2.5	10	-	-	42	-	18	2	11	8	-	-	-	-	-	-	-	-	-	-	-	-	-	6.35	-	-
NEWPORT ...	9 9	64	16.5	6.7	11.6	+0.7	25.6	31	2.0	15	-	-	44	75	23	2	12	7	0	0	0	0	0	0	0	0	0	0	0	0	0	6.73	119	-
OSWESTRY ...	9 9	174	15.9	6.5	11.2	+0.5	24.5	31	0.5	10	-	-	39	52	15	2	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	6.20	108	S
PRESTON MONTFORD ...	9 9	67	16.5	6.1	11.3	-	25.4	31	3.1	10	12.0	10.0	63	-	28	4	12	10	0	0	0	0	0	0	0	0	0	0	0	0	0	6.37	-	S
SHAWBURY ...	21-9	72	16.5	6.7	11.6	+0.5	25.2	31	2.0	15	-	-	50	84	22	2	13	8	0	0	0	0	0	0	0	0	0	0	0	0	0	6.62	113	-
SHREWSBURY ...	9 9	56	(13.3)	7.1	(10.2)	(-1.2)	20.1	30	3.3	10	12.6	10.9	39	69	19	2	12	6	0	0	0	0	0	0	0	0	0	0	0	0	0	5.93	103	-
WEST MIDLANDS																																		
BIRMINGHAM																																		
EDGBASTON ...	21-9	163	15.8	7.4	11.6	+0.2	25.7	31	4.4	18	9.4	-	33	48	21	2	10	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6.36	116	-
ELMDON AIRPORT ...	21-9	96	16.1	5.7	10.9	-0.1	25.9	31	0.1	15	-	-	31	-	19	2	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	6.66	112	-
KING EDWARD'S SCHOOL ...	9 9	1																																



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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MAY 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT 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		30 CH DEGREES C	100 CH DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	DATE	PRECIP- ITATION		SNOW OR SLEET OR MORE 1.0 MM OR MORE	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							0.2 MM OR MORE	1.0 MM OR MORE															
5. ENGLAND SE & CENTRAL S.																																	
GREATER LONDON																																	
BROMLEY ...	9 9	65	16.8	7.8	12.3	-0.1	26.0	31	4.5	26	-	-	89	175	27	1	10	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GREENWICH ...	9 9	7	16.7	(7.9)	(12.3)	-	26.2	31	4.5	10	-	-	84	187	26	5	10	8	0	0	0	0	0	0	0	0	0	0	0	5.84	-	-	
HAMPSTEAD ...	9 9	137	15.9	6.9	11.4	-0.4	25.8	31	3.5	10	-	-	84	162	35	5	9	8	0	0	0	0	0	0	0	0	0	0	(7.05)	(110)	8		
HAMPTON ...	9 9	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
HARROW WEALD ...	9 9	98	-	6.7	-	-	-	-	3.0	10	11.8	10.4	62	-	23	5	8	7	-	-	-	-	-	-	0	0	0	0	-	-	-	-	
HEATHROW AIRPORT ...	21-9	25	17.1	8.0	12.5	0.0	27.0	31	4.4	3	-	-	79	157	29	5	11	10	0	0	0	0	0	0	0	0	0	0	6.79	-	-	-	
KENSINGTON PALACE ...	9 9	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
KEN	21-9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
PSYCHROMETER ...	9 9	-	16.5	6.6	11.5	-	25.9	31	2.6	16.26	11.7	10.0	89	186	32	5	10	9	0	0	0	0	2	1	0	0	0	0	6.80	104	-	-	
NORTH WALL SCREEN ...	9 9	-	17.0	8.2	12.6	0.0	26.6	31	5.2	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	0	0	0	-	-	-		
LONDON																																	
WEATHER CENTRE (X)	21-9	77	17.1	9.0	13.1	-	26.8	31	5.6	10	-	-	77	-	30	5	10	8	0	0	0	0	1	0	0	0	0	0	6.86	112	-	-	
ST JAMES PARK ...	9 9	9	(17.3)	(8.7)	(13.0)	(-0.1)	27.1	31	5.2	10	-	-	84	175	32	5	10	8	0	0	0	0	0	0	0	0	0	0	6.86	112	-	-	
SOUTHGATE ...	9 9	67	-	7.1	-	-	-	-	4.0	10.19	11.4	-	67	136	33	5	11	7	0	0	0	0	2	1	0	0	0	0	6.48	111	8	-	
WADDON ...	9 9	59	16.8	7.5	12.1	0.0	27.0	31	4.5	3.26	-	-	107	209	33	1	12	10	-	-	-	-	-	-	0	0	0	0	-	-	-	-	
MILTS																																	
BOSCOMBE DOWN ...	21-9	126	16.4	6.9	11.7	+0.4	26.2	31	3.1	3	-	-	44	78	19	1	10	8	0	0	0	0	0	0	0	0	0	4	0	0	7.12	110	-
LACOCK ...	9 9	49	16.5	5.5	11.0	-	26.6	31	0.8	3	-	-	33	53	19	1	10	6	0	0	0	0	0	0	0	0	0	7	-	-	-	-	
LARKHILL ...	9 9	132	16.5	6.6	11.5	+0.4	27.2	31	3.1	16.18.19	-	-	46	82	19	1	9	7	0	0	0	0	0	0	0	0	0	1	0	0	-	-	
LYNEHAM ...	21-9	145	16.0	6.9	11.5	+0.3	26.1	31	1.3	3	-	-	24	39	10	1	7	6	0	0	0	0	0	0	0	0	0	2	0	0	6.42	-	
PORTON ...	9 9	111	16.4	6.1	11.3	+0.2	26.2	31	1.7	3	11.2	-	38	63	21	1	9	7	0	0	-	-	0	0	0	0	0	7	0	0	7.16	108	-
TROWBRIDGE ...	9 9	37	17.4	6.5	11.9	-	27.8	31	1.7	3	11.9	-	43	-	24	1	6	6	0	0	1	0	2	0	0	0	0	7	0	0	-	-	
UPVON ...	21-9	179	16.3	7.0	11.7	-	25.9	31	3.3	3.6	-	-	32	53	18	1	8	5	0	0	0	0	1	0	0	0	0	1	0	0	-	-	
BERKSHIRE																																	
EASTHAMPTON ...	9 9	77	16.5	4.8	10.7	-	26.8	31	-0.5	10	11.1	10.1	90	-	27	5	12	10	0	0	0	0	0	0	2	0	0	0	6.64	-	-	-	
HURLEY ...	9 9	43	16.8	6.6	11.7	-	26.9	31	2.9	3	12.0	-	59	107	20	5	10	10	0	0	0	0	0	1	0	0	0	0	3	-	0	6.66	-
LAMBOURN (WARREN FARM)	9 9	192	15.3	6.2	10.7	-	24.7	31	0.3	3	11.2	-	31	-	6	5	12	8	-	-	-	-	1	0	0	0	0	-	-	-	-	-	
READING ...	9 9	66	16.4	6.9	11.7	-	26.8	31	3.1	10	11.5	9.9	66	-	15	5	12	9	0	0	0	0	0	0	0	0	0	7	0	0	6.51	-	
SHINFIELD (N.I.R.D.) ...	9 9	62	16.6	6.9	11.7	-	26.5	31	2.7	3	-	-	59	-	16	1	11	7	0	0	0	0	1	0	0	0	0	2	-	0	6.71	-	
SURREY																																	
NISLEY ...	9 9	32	17.1	6.4	11.7	-0.4	27.0	31	1.5	3	12.1	10.8	87	175	30	1	11	10	0	0	0	0	0	6	0	0	0	6	-	0	6.40	100	-
KENT																																	
DOVER R.M.S. ...	9 9	123	13.6	7.3	10.5	-	22.8	31	4.4	10	-	-	43	84	9	1	12	6	0	0	0	0	0	1	3	0	0	-	-	-	-	-	
DUNGENESS ...	9 9	6	13.9	8.0	10.9	-	19.2	31	4.2	15	-	-	39	92	11	5	8	7	0	0	0	0	0	0	1	0	0	-	-	-	-	-	
EAST MALLING ...	9 9	52	16.1	7.5	11.8	+0.3	26.0	31	4.0	15	12.0	10.4	63	129	29	1	9	7	0	0	0	0	0	1	1	0	0	2	0	0	6.34	95	-
EDENBRIDGE ...	9 9	45	16.3	6.5	11.4	-	26.0	31	2.8	18	-	-	77	-	29	1	8	7	-	-	-	-	-	-	0	0	0	-	-	-	-	-	
ELMSTONE ...	9 9	5	14.9	(6.2)	(10.5)	-	24.9	31	0.5	15	-	-	44	108	23	1	10	7	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
FAVERSHAM ...	9 9	48	14.8	7.1	10.9	-	25.0	31	4.0	27	11.1	9.8	55	117	25	1	10	7	0	0	0	0	0	0	4	0	0	0	0	5.34	-	-	
FOLKESTONE ...	9 9	31	15.2	8.0	11.6	-	25.4	31	4.4	23	-	-	35	76	9	5	9	6	0	0	0	0	0	0	0	0	0	0	0	6.11	84	-	
GILLINGHAM ...	9 9	3	(15.7)	(7.6)	(11.1)	-	22.7	31	4.5	10	-	-	77	175	34	1	11	8	-	-	-	-	-	-	0	0	0	0	-	-	-	-	
GOUDHURST ...	9 9	85	(15.8)	6.6	(11.2)	-	25.8	31	3.0	18	-	-	47	85	14	1	10	7	0	0	0	0	0	0	1	0	0	0	3	-	0	5.68	-
MADLOW COLLEGE ...	9 9	27	16.7	6.8	11.7	-	26.4	31	3.4	10	11.6	10.1	60	-	23	1	9	7	0	0	0	0	0	0	1	0	0	0	1	0	5.65	84	-
HERNE BAY ...	9 9	31	13.6	7.5	10.5	-	22.0	31	2.5	15	11.7	-	38	-	17	1	8	7	0	0	0	0	0	0	1	0	0	0	1	0	5.93	-	
MANSTON ...	21-9	44	13.9	7.8	10.9	-	24.6	31	3.5	15	-	-	36	92	13	1	8	6	0	0	0	0											



[illegible]



MAY 1978

[illegible]







TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

MAY 1978

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 (Hb)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB (DEGREES C)	DEPRESSION OF WET BULB (DEGREES C)	WET BULB (DEGREES C)	VAPOUR PRESSURE (Hb)	RELATIVE HUMIDITY (%)	OKTAS							0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 59 KM	40 KM AND OVER	BEAUFORT FORCE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
										MEAN	NUMBER OF OBSERVATIONS	0	1 - 2	3 - 5	6 - 7	8											SKY OBSERVED	SPEED (KT)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

MAY 1978

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 - 39 M	40 - 190 M	200 - 590 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE					N	NE	E	SE	S	SW	W	NW	
									0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED											SPEED (KT)													
																									34 OR MORE	22-33	11-21	1-10	0									
NUMBER OF OBSERVATIONS																																						
3 EAST ANGLIA -CONTO. ESSEX																																						
SHOEBURYNESSE	5	9	1017.0	+ 0.6	11.3	1.3	11.4	85	5.7	2	4	3	13	9	0	0	0	0	1	4	3	12	9	4	2	0	0	7	24	0	11	8	4	1	1	2	0	4
		15	1016.7	-	13.0	2.0	11.7	78	4.8	2	4	8	6	7	8	0	0	0	0	1	1	3	12	7	4	3	0	0	11	20	0	3	3	17	3	4	0	3
		21	1017.4	-	9.8	0.8	10.9	89	4.5	4	9	1	10	7	0	0	0	0	1	1	4	13	5	6	1	0	0	2	27	2	6	11	3	4	1	1	0	2
STANSTED	102	3	1016.5	-	7.4	0.4	9.7	94	5.6	4	4	2	6	15	0	0	0	1	3	5	8	8	2	2	2	0	0	4	22	5	10	6	1	2	0	1	0	6
		9	1017.3	+ 1.2	10.9	1.6	10.6	81	5.2	3	5	6	5	12	0	0	0	0	3	6	10	6	2	2	4	0	0	7	23	1	13	8	5	0	1	1	0	
		15	1016.6	-	14.8	3.6	10.5	64	4.7	2	8	6	7	8	0	0	0	0	0	1	3	3	12	7	5	0	0	14	17	0	12	5	7	1	2	1	2	
21	1017.5	-	9.9	1.3	10.2	84	3.9	6	9	3	6	7	0	0	0	0	1	0	11	11	2	4	2	0	0	3	27	1	10	3	7	4	2	1	1	2		
4 MIDLAND COUNTIES WEST YORKSHIRE																																						
HUDDERSFIELD OAKES	235	3	1018.4	-	6.6	1.2	8.1	83	6.8	2	1	2	5	21	0	0	3	0	4	3	2	11	5	3	0	0	0	1	23	7	4	3	4	5	2	0	6	0
		9	1019.0	-	10.4	1.9	9.8	78	5.5	6	2	3	3	17	0	0	0	2	3	5	13	3	5	0	0	0	2	25	4	6	6	3	0	3	1	3	3	
		15	1018.4	-	14.6	3.7	10.4	63	5.6	3	2	6	10	10	0	0	0	0	0	0	4	12	8	7	0	0	0	5	26	0	9	1	6	4	1	1	7	2
21	1019.0	-	10.1	1.5	10.2	82	6.0	4	1	3	8	15	0	0	0	0	0	1	3	9	11	7	0	0	0	3	20	8	5	4	6	2	1	2	4	0		
WILSDEN	267	3	1018.8	-	6.3	0.5	8.9	93	5.1	7	4	1	4	12	3	0	2	2	2	1	10	14	0	0	0	0	0	2	16	13	2	3	1	1	0	5	3	
		9	1019.1	-	9.7	1.7	9.6	80	5.1	7	3	2	4	13	2	0	2	1	1	10	6	8	3	0	0	0	6	20	5	3	8	6	4	0	1	2	2	
		15	1018.0	-	13.5	3.4	9.8	65	5.2	1	9	4	5	12	0	0	0	0	0	5	2	5	16	3	0	0	0	7	21	3	2	8	6	4	2	0	4	2
21	1019.1	-	9.6	1.5	9.8	81	4.9	7	4	2	3	15	0	0	0	0	0	1	1	10	19	0	0	0	0	4	23	4	3	7	6	5	0	0	5	1		
SOUTH YORKSHIRE																																						
FINNINGLEY	15	3	1018.0	-	7.0	0.5	9.3	92	5.0	3	9	0	6	13	0	0	0	0	5	5	10	5	3	3	0	0	0	1	24	6	3	5	0	2	1	1	2	11
		9	1018.7	+ 3.0	11.2	1.9	10.3	77	5.2	4	5	4	7	11	0	0	0	0	2	2	9	10	4	4	0	0	5	26	0	10	7	2	4	3	0	0	5	
		15	1017.8	-	15.6	3.8	11.0	62	4.5	2	8	7	9	5	0	0	0	0	0	3	2	5	13	5	6	0	0	6	24	1	8	4	8	3	3	0	2	3
21	1018.6	-	10.2	1.3	10.5	84	4.9	7	4	1	6	13	0	0	0	0	0	0	5	12	7	3	4	0	0	1	29	1	5	4	9	4	0	2	3	3		
NOTTINGHAMSHIRE																																						
WATNALL	119	3	1018.2	-	7.1	0.6	9.2	91	4.6	8	4	2	7	10	0	0	0	0	2	9	11	6	3	0	0	0	3	26	2	11	11	1	1	0	1	1	3	
		9	1018.8	+ 3.2	11.0	2.0	10.0	77	4.9	4	7	3	6	11	0	0	0	0	3	1	4	13	3	7	0	0	0	6	25	0	10	10	3	1	4	0	0	3
		15	1017.9	-	14.9	3.6	10.7	65	4.9	1	10	4	6	10	0	0	0	0	2	0	0	8	10	8	3	0	0	7	24	0	7	7	8	1	1	0	2	4
21	1018.7	-	10.3	1.3	10.5	84	4.5	3	10	1	11	6	0	0	0	0	1	0	4	14	7	4	1	0	0	3	28	0	4	12	8	0	0	1	5	1		
SALOP																																						
SHAMBURY	76	3	1017.9	-	8.0	0.6	9.9	92	5.2	6	3	3	5	14	0	0	0	0	6	8	6	8	3	0	0	0	3	23	5	6	3	10	0	1	1	1	4	
		9	1018.4	+ 2.7	11.6	1.9	10.7	78	4.5	5	4	8	5	9	0	0	0	0	8	12	5	6	0	0	0	0	5	26	0	11	1	9	4	1	0	1	4	
		15	1017.4	-	15.7	3.8	11.1	63	5.0	4	12	11	4	0	0	0	0	0	0	3	7	10	8	3	0	0	8	23	0	8	5	6	5	1	2	4	0	
21	1018.2	-	11.2	1.4	11.1	83	4.4	5	9	1	8	8	0	0	0	0	1	2	2	14	7	5	0	0	0	3	28	0	14	6	5	0	0	1	2	3		
WEST MIDLANDS																																						
EDGBASTON	165	9	1018.2	+ 2.2	10.6	2.1	9.5	75	4.8	5	5	5	9	2	0	0	0	2	1	3	14	8	2	1	0	0	2	27	2	5	11	5	2	0	1	5	4	
		15	1017.2	-	14.9	4.1	9.8	60	5.1	2	8	2	12	7	0	0	0	0	2	1	8	12	6	2	0	0	4	26	1	5	7	8	3	1	0	2	4	
		21	1018.0	-	12.6	2.7	10.2	71	4.6	4	6	5	9	7	0	0	0	1	0	2	14	11	3	0	0	0	2	26	3	6	5	9	2	0	0	2	4	
ELMDON	100	3	1017.9	-	6.7	0.6	9.0	91	4.6	7	5	3	13	0	0	1	0	2	4	2	13	7	2	0	0	0	4	20	7	6	6	2	1	1	1	0	7	
		9	1018.3	+ 2.4	11.0	2.1	9.8	75	4.6	5	6	6	3	11	0	0	0	1	3	15	8	3	0	0	0	4	27	0	7	13	2	2	1	1	0	4		
		15	1017.4	-	15.4	4.2	10.1	59	4.6	3	7	6	8	7	0	0	0	1	2	2	18	7	1	0	0	0	6	25	0	5	8	3	1	0	1	5	5	
21	1018.3	-	11.2	1.8	10.5	78	4.6	5	6	4	8	8	0	0	0	0	2	1	12	13	3	0	0	0	3	26	2	3	7	9	3	0	0	2	5			
GLOUCESTER																																						
INNSWORTH	24	3	1017.6	-	8.3	0.9	9.7	88	4.7	8	2	3	9	8	1	0	1	0	2	1	7	10	8	2	0	0	0	0	27	4	15	4	0	0	3	2	1	2
		9	1018.3	-	11.7	2.0	10.6	77	4.5	4	8	3	5	11	0	0	0	0	1	4	18	5	1	2	0	0	2	28	1	14	2	2	1	0	2	3	6	
		15	1017.2	-	16.2	4.4	10.6	59	5.4	1	4	9	11	6	0	0	0	0	1	2	8	12	6	2	0	0	4	26	1	10	7	5	1	1	1	3	2	
21	1017.8	-	12.2	2.0	11.0	77	4.2	3	9	5	11	3	0	0	0	0	0	3	0	15	8	3	2	0	0	0	27	4	6	6	7	0	3	1	2	2		
OXFORDSHIRE																																						
BENSON	74	3	1017.4	-	7.9	0.7	9.7	90	5.4	5	4	2	5	15	0	0	0	0	1	2	11	7	5	4	1	0	0	0	19	12	9	1	2	0	0	0	2	5
		9	1018.0	-	11.3	1.9	10.4	78	4.9	1	11	1	9	9	0	0	0	0	2	6	12	5	2	4	0	0	5	24	2	13	4	1	0	1	1	0	7	
		15	1017.0	-	15.9	4.1	10.7	61	5.3	1	5	9	8	8	0	0	0	0	0	4	3	14	4	6	0	0	5	26	0	17	3	2	3	0	0	0	3	
21	1017.9	-	11.8	1.9	10.8	78	3.8	6	7	7	5	6	0	0	0	0	0	5	10	7	6	3	0	0	0	0	24	7	7	5	8	1	0	1	1	4		
BRIZE NORTON	92	3	1017.2	-	7.9	0.8	9.5	88	4.6	8	4	2	7	10	0	0	0	1	2	8	8	3	1	0	0	4	24	3	7	11	2	0	0	0	1	6		
		9	1017.8	-	11.2	2.1	10.0	75	4.8	4	4	7	8	0	0	0	0	0	4	11	9	6	1	0	0	8	23	0	13	6	5	3	1	0	1	2		
		15	1016.7	-	15.8	4.2	10.4	59	5.0	2	6	7	10	6	0	0	0	0	1	6	13	8	3	0	0	8	23	0	12	5	5	3	1	3	1	4		
21	1017.6	-	11.9	2.0	10.8	77	4.1	5	7	6	6	7	0	0	0	0	0	1	0	14	7	7	2	0	0	3	24	4	6	12	1	1	1	1	3	4		
5 ENGLAND SE & CENT. S. GREATER LONDON																																						
HEATHROW	26	3	1016.7	-	8.8	0.7	10.3	90	4.6	7	5	1	10	8	0	0	0	1	1	6	14																	



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 1961-70 AVERAGE	DRY BULB (DEGREES C)	DEPRESSION OF WET BULB (DEGREES C)	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS					0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE					N	NE	E	SE	S	SW	W	NW																								
									MEAN	0	1 - 2	3 - 5	6 - 7											8	SKY OBSCURED	0 - 39 M	40 - 190 M	200 - 390 M									400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	0 OR MORE	3-5	6-7	8-10	11-16	17-20	21-24	25-28	29-31								
																																																					SPEED (KT)	0	1-10	11-16	17-20	21-24	25-28	29-31
NUMBER OF OBSERVATIONS																																																												
5 ENGLAND SE & CENT. S.																																																												
KENT																																																												
DUNGENESS	7	3	1015.6	-	-	-	-	5.1	5	5	3	4	14	0	0	0	0	0	0	0	0	2	14	7	8	0	0	0	0	9	19	3	11	8	0	0	0	0	1	3	5																			
	9		1016.4	-	11.5	-	1.6	11.1	5.5	7	0	4	5	14	1	0	0	0	0	0	1	2	16	7	5	0	0	0	0	14	16	1	10	3	10	0	0	1	1	2	0																			
	15		1016.2	-	-	-	-	-	4.9	4	0	4	4	11	0	0	0	0	0	0	1	1	16	7	5	0	0	0	0	16	15	0	5	10	6	0	0	0	0	0	0																			
	21		1016.8	-	-	-	-	-	4.9	4	3	9	4	11	0	0	0	0	0	0	0	0	2	17	5	7	0	0	0	8	21	2	5	10	6	0	0	0	0	0	0																			
MANSTON	45	3	1016.0	-	8.6	0.3	10.7	96	6.2	3	2	2	9	13	2	0	1	1	4	9	5	8	2	0	0	0	0	0	9	22	0	10	6	0	2	1	2	5	5																					
	9		1016.8	-	10.7	1.1	11.2	86	5.8	4	3	3	15	1	0	0	1	3	0	4	14	5	4	0	0	0	0	11	20	0	11	4	0	2	0	2	0	9																						
	15		1016.7	-	12.7	2.2	11.2	76	4.6	2	10	4	6	10	0	0	0	1	1	3	13	6	4	3	0	0	0	15	16	0	10	9	3	3	0	1	0	5																						
	21		1017.3	-	9.5	0.8	10.7	90	5.0	4	5	3	9	10	0	0	0	0	0	0	1	2	6	12	6	4	0	0	6	25	0	12	4	4	1	5	1	1	3																					
HAMPSHIRE																																																												
SOUTHAMPTON	9	3	1016.6	-	9.7	1.2	10.2	84	3.8	6	7	6	7	5	0	0	0	0	1	0	0	6	13	6	4	1	0	0	0	27	4	10	4	1	1	0	0	0	6	5																				
WEATHER CENTRE (X)	9		1017.3	-	12.7	2.8	10.6	69	4.3	7	6	2	8	9	0	0	0	0	0	0	0	19	6	6	4	1	0	0	1	30	0	6	8	0	1	2	0	3	10																					
	15		1016.6	-	16.2	4.4	10.5	59	4.9	2	7	6	9	7	0	0	0	0	0	0	2	11	9	9	0	0	0	2	29	0	6	8	0	9	1	2	2	6																						
	21		1017.4	-	13.1	2.4	11.1	74	4.0	4	9	6	6	6	0	0	0	0	0	0	2	15	10	4	0	0	0	0	29	2	6	5	1	6	3	2	4	2																						
WEST SUSSEX																																																												
GATWICK	60	3	1016.6	-	7.5	0.5	9.7	93	4.7	6	4	5	5	10	1	0	2	1	3	9	7	6	2	0	0	0	0	1	25	5	7	7	1	0	1	0	4	6																						
	9		1017.2 + 0.9	-	11.7	2.0	10.6	77	4.7	4	7	3	9	8	0	0	0	0	1	1	4	12	7	4	2	0	0	3	28	0	14	7	2	0	0	3	1	4																						
	15		1016.4	-	16.0	4.3	10.4	59	4.5	2	7	9	6	7	0	0	0	0	0	0	4	8	10	7	2	0	0	9	22	0	10	4	4	1	3	3	1	5																						
	21		1017.5	-	11.5	1.8	10.7	79	4.2	5	6	6	9	5	0	0	0	0	0	0	5	15	6	4	1	0	0	1	26	4	4	9	2	0	3	3	2	4																						
EAST SUSSEX																																																												
MERTONHOUEUX	28	3	1016.1	-	8.1	0.5	10.1	93	4.1	5	8	5	5	8	0	0	0	0	1	4	5	13	4	4	0	0	0	1	26	4	14	4	1	0	0	1	3	4																						
	9		1016.9	-	11.9	1.5	11.6	82	5.0	5	3	5	11	7	0	0	0	0	1	0	3	13	8	5	1	0	0	5	26	0	19	4	0	1	0	2	3	2																						
	15		1016.5	-	14.6	2.7	12.0	73	4.7	2	8	7	7	7	0	0	0	0	0	0	1	8	12	7	3	0	0	5	26	0	8	2	4	0	7	3	4	3																						
	21		1017.3	-	10.7	1.2	11.0	85	4.0	6	7	4	9	5	0	0	0	0	0	3	2	13	10	3	0	0	0	1	25	5	10	6	2	1	1	0	6	0																						
7A ENGLAND NW & I.O.M.																																																												
CUMBRIA																																																												
CARLISLE	28	3	1018.5	-	7.4	0.5	9.7	93	4.6	7	5	1	8	10	0	0	0	0	0	4	13	8	5	1	0	0	0	3	27	1	1	5	14	3	0	1	5	1																						
	9		1018.8 + 3.5	-	12.0	1.9	11.0	78	4.9	5	3	4	14	5	0	0	0	0	0	1	10	16	2	2	0	0	6	25	0	0	3	12	4	2	2	5	3																							
	15		1017.9	-	16.1	4.0	11.2	62	5.4	0	7	5	14	5	0	0	0	0	0	0	0	16	11	8	0	0	6	25	0	0	3	10	3	2	0	9	4																							
	21		1018.7	-	11.0	1.4	11.0	82	5.4	1	5	6	11	8	0	0	0	0	0	1	8	14	8	0	0	0	5	25	1	1	2	16	2	0	0	6	3																							
LANCASHIRE																																																												
SQUIRES GATE	11	3	1018.1	-	8.0	0.6	9.9	92	4.8	6	5	3	7	8	2	0	0	1	1	0	4	15	7	3	0	0	0	5	24	2	2	2	15	1	0	1	3	5																						
	9		1018.8 + 3.4	-	12.6	2.2	11.0	75	4.4	6	6	2	13	4	0	0	0	0	1	1	15	8	6	0	0	0	9	22	0	0	2	9	6	2	0	7	5																							
	15		1018.1	-	14.5	2.9	11.5	70	4.7	2	9	2	14	4	0	0	0	1	0	1	8	13	7	1	0	0	9	22	0	1	2	6	0	2	0	10	5																							
	21		1018.6	-	10.8	1.4	10.9	83	4.6	2	10	4	5	9	1	0	1	1	0	1	2	11	10	4	1	0	0	9	22	0	3	4	9	0	0	2	6	7																						
GREATER MANCHESTER																																																												
MANCHESTER	42	3	1017.9	-	9.9	1.6	9.7	79	4.7	8	2	4	8	9	0	0	0	0	0	2	13	15	1	0	0	0	1	29	1	5	7	4	3	5	1	0	5																							
WEATHER CENTRE (X)	9		1018.3	-	12.9	3.3	9.5	64	4.4	6	5	5	8	7	0	0	0	0	0	1	0	17	9	4	0	0	0	2	27	2	2	5	5	4	4	1	5	3																						
	15		1017.5	-	16.2	4.7	10.0	56	5.4	1	3	10	10	7	0	0	0	0	1	0	13	11	6	0	0	0	3	28	0	3	5	6	4	1	3	5	4																							
	21		1018.3	-	13.2	3.0	10.2	67	4.6	3	7	5	11	5	0	0	0	0	0	0	11	14	6	0	0	0	2	29	0	2	8	7	4	0	2	8	0																							
RINGWAY	84	3	1018.0	-	9.0	1.1	9.9	85	4.8	5	6	3	7	9	1	0	1	0	0	1	20	6	3	0	0	0	3	27	1	0	7	7	0	5	3	2	6																							
	9		1018.4 + 2.9	-	12.2	2.5	10.2	72	4.7	4	8	1	9	9	0	0	0	0	0	6	14	6	5	0	0	0	6	25	0	4	2	7	1	4	2	7	4																							
	15		1017.5	-	15.9	4.5	10.2	57	4.6	1	9	7	10	4	0	0	0	0	0	2	8	14	6	1	0	0	8	23	0	2	1	8	5	2	2	7	4																							
	21		1018.3	-	12.2	2.2	10.6	74	4.6	5	6	3	11	6	0	0	0	0	0	3	16	8	4	0	0	0	6	24	1	1	4	7	4	2	1	6	5																							
ISLE OF MAN																																																												
POINT OF AYRE	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																							
	9		1019.2 + 4.2	-	10.5	1.2	10.8	85	5.0	7	2	5	4	12	1	0	1	0	0	0	10	9	8	3	0	4	12	12	3	1	4	7	8	0	1	3	4																							
	15		1018.6	-	13.7	2.6	11.3	72	4.5	6	4	6	9	6	0	0	0	0	0	6	14	8	3	0	1	10	20	0	1	4	3	7	1	1	7	7																								
	21		1019.0	-	9.8	1.0	10.7	88	5.8	0	4	9	4	13	1	0	0	0	2	1	4	13	7	4	0	3	6	16	6	0	4	3	2	3	1	2	7	7																						
RONALDSWAY	21	3	1018.2	-	8.2	1.0	9.5	86	4.4	4	7	5	8	7	0	0	0	0	0	0	13	7	8	3	0	0	10	19	2	9	9	5	1	0	0	2	3																							
	9		1018.8 + 3.7	-	11.0	1.7	10.5	79	5.0	4	4	5	10	7	1	0	0	0	1	0	6	11	6	2	5	0	1	8	21	1	3	0	15	3	1	3	4	1																						
	15		1018.4	-	13.2	2.6	10.8	71	4.3	5	9	1	10	6	0	0	0	0	1	1	2	10	9	6	2	0	8	23	0	2	1	10	5	1	6	4	2																							
	21		1018.7	-	10.2	1.5	10.2	82	4.7	2	9	4	9	6	1	0	1	0	0	2	8	14	3	3	0	1	6	23	1	9	4	6	0	2	1	1	7																							
7B WALES N																																																												







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

MAY 1978

STATION	MAXIMUM °C										STATION	MAXIMUM °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		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
LERNICK (PSYCHROMETER)	0	0	15	14	2	0	0	0	0	0	CAMBRIDGE BOTANIC GARDENS	0	0	0	13	12	4	2	0	0	0
LERNICK (SCREEN)	0	0	15	14	2	0	0	0	0	0	EDDABASTON	0	0	3	11	11	5	1	0	0	0
STORNOWAY	0	0	6	16	8	1	0	0	0	0	KEM (PSYCHROMETER)	0	0	1	8	17	4	1	0	0	0
CRAIBSTONE	0	0	8	13	7	3	0	0	0	0	KEM (NORTH-WALL SCREEN)	0	0	1	8	16	4	2	0	0	0
ROTHESAY	0	0	2	12	13	4	0	0	0	0	HASTINGS	0	0	2	13	12	2	2	0	0	0
ABBOTSINCH	0	0	1	12	12	4	2	0	0	0	SOUTHAMPTON	0	0	0	10	14	5	2	0	0	0
ESKDALEMUIR (PSYCHROMETER)	0	0	3	11	12	5	0	0	0	0	STONYHURST	0	0	1	13	11	2	4	0	0	0
ESKDALEMUIR (SCREEN)	0	0	3	11	11	5	1	0	0	0	VALLEY	0	0	1	13	12	3	2	0	0	0
DOUGLAS	0	0	4	12	11	4	0	0	0	0	RHOOSE	0	0	2	10	13	5	1	0	0	0
BOULMER	0	0	10	15	6	0	0	0	0	0	FALMOUTH	0	0	0	16	15	0	0	0	0	0
HULL	0	0	1	18	10	2	0	0	0	0	ALDEROROVVE	0	0	1	11	14	5	0	0	0	0
GORLESTON	-	-	-	-	-	-	-	-	-	-	ARMAROH	0	0	2	10	14	5	0	0	0	0

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

MAY 1978

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)										HOURLY WIND									
		22-33 KT										GUST									
		NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS	NUMBER OF HOURS
0 SCOTLAND N																					
SHEPHERD LERWICK	93 10 10	0	2	8	304	380	52	0	10.1	180	25	11	04	180	35	11	0424				
ORKNEY KIRKWALL AIRPORT	41 15 10	0	2	6	307	350	81	0	9.7	250	24	11	15	330	32	24	0124				
WESTERN ISLES BENBECULA	16 10 10	0	2	7	329	287	121	0	9.6	330	23	12	17	270	35	11	2148				
HIGHLAND STORNOWAY	12 10 10	0	1	5	305	350	84	0	9.4	330	25	12	14	330	36	12	1312				
DALCROSS	19 10 10	0	3	10	178	331	225	0	7.4	050	24	1	15	320	31	12	1436				
DOUNREAY	34 12 9	0	1	3	220	321	186	14	7.8	130	24	7	14	130	30	7	1418				
DUIRINISH	38 20 17	0	0	0	189	368	187	0	7.4	340	20	12	12	290	32	11	1618				
FORT AUGUSTUS	58 16 16	0	0	0	92	304	334	14	4.8	210	15	12	10	050	28	1	1006				
WICK	45 10 10	0	1	1	178	474	91	0	8.3	320	22	24	02	320	33	24	0230				
1 SCOTLAND E																					
ABERDEEN DYCE AIRPORT	68 10 10	0	1	4	138	384	218	0	6.6	320	24	24	04	330	36	24	0400				
FRASERBURGH	29 13 11	0	2	12	108	414	203	7	6.7	320	28	24	03	330	37	24	0248				
KINLOSS	18 13 13	0	0	0	155	466	123	0	7.5	080	21	1	13	080	31	1	1330				
LOSSIEMOUTH	17 10 10	0	0	0	168	394	182	0	7.0	320	21	24	03	320	31	24	0354				
BELL ROCK	39 40 38	0	9	66	294	297	87	0	11.2	350	30	6	02	350	38	6	0242				
MYLNEFIELD	40 10 10	0	0	0	47	336	304	57	5.2	050	16	1	17	050	31	1	1730				
TUMMEL BRIDGE	161 16 16	0	0	0	36	351	357	0	4.6	270	14	12	12	090	29	1	1300				
LEUCHARS	25 13 13	0	1	3	207	359	175	0	7.8	060	23	2	10	250	33	11	1518				
EDINBURGH																					
TURNHOUSE AIRPORT	43 13 10	0	0	0	218	367	159	0	7.8	060	19	1	13	350	32	12	1800				
ROYAL OBSERVATORY																					
BLACKFORD HILL	159 10 10																				
FORTH ROAD BRIDGE	72 72																				
6 SCOTLAND W																					
STRATHCLYDE ABBOTSINCH AIRPORT	16 10 10	0	1	3	203	341	197	0	7.5	080	23	1	13	070	33	1	1254				
ARDROSSAN	24 20	0	8	52	263	279	150	0	10.2	080	28	1	16	090	47	1	0900				
DUNSTAFFNAGE	13 10 10	0	1	1	158	380	205	0	7.2	060	22	1	12	090	33	7	1236				
GREENOCK PORT	51 49	0	3	11	190	342	190	11	7.7	090	28	1	13	100	36	1	1400				
INCHTERF	55 15 12																				
LOWTHER HILL	754 27																				
MACHRIHANISH	22 12 12	1	5	50	245	335	113	0	10.0	090	35	1	23	080	49	1	1830				
PAISLEY	57 25 9	0	0	0	105	376	263	0	5.8	320	18	12	16	090	34	1	1324				
PRESTWICK AIRPORT	21 10 10	0	2	10	181	346	207	0	7.8	070	27	1	13	070	42	2	1112				
TREE	24 16 12	0	3	14	272	399	59	0	9.6	320	25	12	16	330	36	12	1806				
DUMFRIES AND GALLOWAY ESKDALEMUIR	259 10 10	0	1	3	152	358	231	0	6.7	030	22	1	01	030	43	1	0042				
WEST FREUGH	25 10 10	0	0	0	166	425	153	0	7.3	310	21	12	17	330	33	24	0530				
2 ENGLAND E & NE																					
NORTHUMBERLAND BLYTH	19 10 10	0	1	6	180	416	118	24	8.1	020	23	24	10	250	32	11	1824				
BOULMER	33 10 10	0	0	0	160	427	157	0	7.2	350	19	24	08	360	31	24	0824				
TYNE AND WEAR SOUTH SHIELDS	22 17 13	0	1	2	216	307	216	3	7.3	350	22	24	10	350	28	24	1012				
CLEVELAND SOUTH DARE	28 20 20	0	10	43	317	295	89	0	10.8	110	27	30	14	310	37	11	2030				
DURHAM DURHAM	119 16 10	0	0	0	63	397	269	15	5.1	290	18	12	07	310	30	11	2006				
NORTH YORKSHIRE LEEMING	42 10 10	0	0	0	196	444	104	0	7.9	290	18	12	09	300	29	12	0742				
LINTON-ON-DOUSE	23 9 10	0	0	0	138	387	219	0	6.6	280	18	12	11	290	31	12	1424				
SILPHO MOOR	207 15 9	0	0	0	28	366	350	0	4.2	350	19	24	10	350	38	24	1036				
HUMBERSIDE SPURN POINT		0	2	13	299	385	47	0	9.8	350	26	24	10	320	45	11	2330				
LINCOLNSHIRE BINBROOK	118 10 10	0	0	0	211	416	117	0	8.1	360	21	24	16	320	33	11	2330				
CONINGSBY	16 10 10	0	0	0	214	410	120	0	7.9	010	20	24	16	310	37	12	0000				
CRANWELL	68 13 13	0	0	0	232	404	108	0	8.2	330	20	12	00	340	33	12	0030				
SCAMPTON	68 10 10	0	0	0	206	469	60	9	8.3	300	17	11	23	320	29	11	2348				
WADDINGTON	80 10 10	0	0	0	176	485	83	0	7.7	280	17	12	13	320	32	12	0018				
3 EAST ANGLIA																					
NORFOLK COLTISHALL	27 10 10	0	0	0	163	434	147	0	7.5	340	21	24	14	340	37	24	1654				
GORLESTON	16 13 13	0	1	1	263	409	70	1	9.0	010	22	25	12	350	39	24	1448				



TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

[illegible]



TABLE 6 ADDITIONS AND CORRECTIONS

YEAR MONTH AND STATION	HEIGHT OF VANE IN METRES		DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										HIGHEST VALUES						
	ABOVE MSL	ABOVE GROUND EFFECTIVE	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			
			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
1978 JANUARY	CULDROSE							4	12	174					18	23			1



# MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

**JUNE**

VOLUME 95

**1978**

C NUMBER 6

## Mostly cool and changeable: thundery in central England.

High pressure to the east maintained a light south to south-easterly airstream over Britain during the first few days, with thundery troughs moving northwards on the 1st and 4th. The anticyclone over the North Sea then declined and fronts from the Atlantic crossed all areas between the 5th and the 8th. With a rise of pressure to the west of Ireland the westerly airstream became north-westerly, but a cold front moved south on the 11th and 12th, bringing arctic air to all districts. This was followed by a ridge of high pressure, which covered the British Isles on the 13th and 14th. Fronts from the west crossed all areas between the 15th and the 17th, their associated depressions mostly affecting central and southern districts. A ridge of high pressure moved south-east over Britain on the 18th and 19th, but further frontal systems then crossed the British Isles, mostly from the north-west, until the end of the month.

### Weather

Although the warm sunny weather at the end of May continued into early June, thunderstorms broke out in many areas, but particularly over central England, on the 1st and the 4th. The rest of the month was mainly cool and changeable, although rainfall amounts were mostly small during the second week. Heavy rain fell in parts of England and Wales early in the third week, but a brief warm dry spell followed. The unsettled weather returned after the 19th, however, with heavy rain in places. Thunderstorms occurred most frequently in southern England and East Anglia. Overnight fog patches, which occasionally developed in inland areas during the month, cleared quickly, but coastal fog persisted at times. Unusually large and deep snowfields were observed on the higher Scottish mountains at the beginning of June.

### Wind

Winds were fresh or strong from time to time in exposed places on northern and western coasts with speeds reaching gale force in the north on a few occasions. It was windy, with local gales, around the coasts of England and Wales on the 17th, and along the south coast at the beginning of the last week. Directions were rather variable, but were mainly south to south-east during the first few days, with on-shore breezes in some areas. After the 5th, directions became south-west, then west to north-west, and on the 12th and 13th winds were north to north-east. Directions were variable on the 14th and 15th, but north-easterlies then returned for a few days. Winds were light and variable again on the 18th and 19th and there were sea-breezes on the 20th. From the 21st until the end of the month directions were mostly south-westerly at first, but were later mainly between west and north.

### Temperature

Monthly mean temperatures were mostly below average and were generally within 1 °C of the normal. However, temperatures were between 1.0 and 1.5 °C below average at one or two places in the Midlands, Wales and the south-west. Temperatures were nearest to the normal in Scotland, and were even slightly above average at a few places. Although the month as a whole was cool, it started warm and many

places recorded their maxima during the first four days. Temperatures reached at least 28 °C at several places in north-west England and North Wales on the 1st, and on the 4th Poolewe and Onich, both in the Scottish Highlands, recorded 28.8 °C and 28.5 °C respectively. It then became cooler and ground frost occurred in central southern England on the night of the 15th/16th. A brief warm spell followed, but most areas were cool again after the 20th and ground frost occurred in parts of England on the night of the 26th/27th.

### Rainfall

Rainfall distribution was variable, because of the thundery nature of the precipitation, but, very broadly, monthly totals were below average in northern and western areas (excepting districts bordering on Liverpool Bay), and over much of southern England. Some places in the north and west had only about half their normal rainfall, although values often contrasted sharply with above-average rainfall measured not far away. The wettest parts, where rainfall exceeded 150 per cent of the average, were in a broad belt extending from North Wales and the Cheshire Plain to Lincolnshire and Norfolk. Over 200 per cent of the normal fell in places in the east of this area. Severe thunderstorms occurred in central England on the 1st: flood-water caused considerable damage locally, lightning disrupted power supplies, and hail-stones measuring about 3 cm were reported in places. Very heavy falls of rain included 82.4 mm in 2 hours at Heythrop College, near Chipping Norton (Oxfordshire), and 2.5 mm in 25 seconds in Bradford (West Yorkshire). There were further thunderstorms on the 4th. A spell of changeable weather followed, with occasional rain and scattered showers. Outbreaks of heavier rain and isolated thunderstorms occurred over England and Wales between the 15th and the 17th, but the 18th was dry. Rain reached north-western areas on the 19th and the rest of the month was mostly unsettled, with scattered thunderstorms at times.

### Sunshine

Only in parts of eastern, central and southern Scotland was sunshine above average. Monthly totals elsewhere were mostly between 80 and 100 per cent of the normal, although Wales and parts of central England recorded only about 65 to 80 per cent. Northern Ireland, with 70 to 80 per cent of the average sunshine there, had its dullest June since 1958. Many places had long sunny periods during the first few days, however, but sunshine then became variable, although it was sunny over much of England and Wales on the 11th and in many northern parts of the United Kingdom on the 13th and 17th. Most places, except the extreme north of Scotland, had a very sunny day on the 18th and many southern districts were sunny again on the 19th. The rest of the month was generally rather dull, with occasional sunny intervals.

### Fog

Overnight fog patches occurred in many inland areas at the beginning of the month, but soon cleared after sunrise. Coastal fog was more persistent, however, and continued to occur in south-west England until the 9th. Hill fog also formed extensively in south-western districts early in the second week. Patches of fog which developed in some southern areas on the night of the 15th/16th and, more widely, on the 18th/19th, soon cleared in the morning. Coastal fog occurred again from time to time during the latter part of the month. It persisted in the far north of Scotland on the 27th and 28th, and around the coasts of south-west England and the Channel Islands on the 28th and 29th.

### Miscellaneous Phenomena

Small tornadoes, which caused damage to property, were reported in Macclesfield (Cheshire) and Walsall (Staffordshire) on the 1st.

**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						
0 Scotland N	28.5	2.0	-0.4	0.0	-0.2	-0.2	0	67	86
1 Scotland E	26.7	-1.0	-0.3	0.0	-0.2	+0.8	-2	79	103
2 England E & NE	26.9	2.3	-0.9	-0.2	-0.5	+0.5	0	119	81
3 East Anglia	27.5	2.4	-0.9	-0.3	-0.6	-0.2	+1	137	79
4 Midland Counties	27.0	2.2	-1.4	-0.4	-0.9	-0.2	+1	121	79
5 England SE & Central S	27.5	1.3	-0.9	-0.3	-0.6	-0.4	+1	84	87
6 Scotland W	28.5	-1.0	-0.2	-0.4	-0.3	+0.3	-2	72	94
7 England NW & Wales N	27.8	2.0	-1.2	-0.2	-0.7	-0.5	+2	118	76
8 England SW & Wales S	25.9	2.6	-1.0	-0.4	-0.7	+0.2	+2	83	87
N Ireland	24.6	3.5	-1.2	-0.3	-0.8	-0.1	-1	66	75
Scotland	28.5	-1.0	-0.3	-0.1	-0.2	+0.3	-1	73	94
England & Wales	27.8	1.3	-1.1	-0.3	-0.7	-0.1	+1	110	81

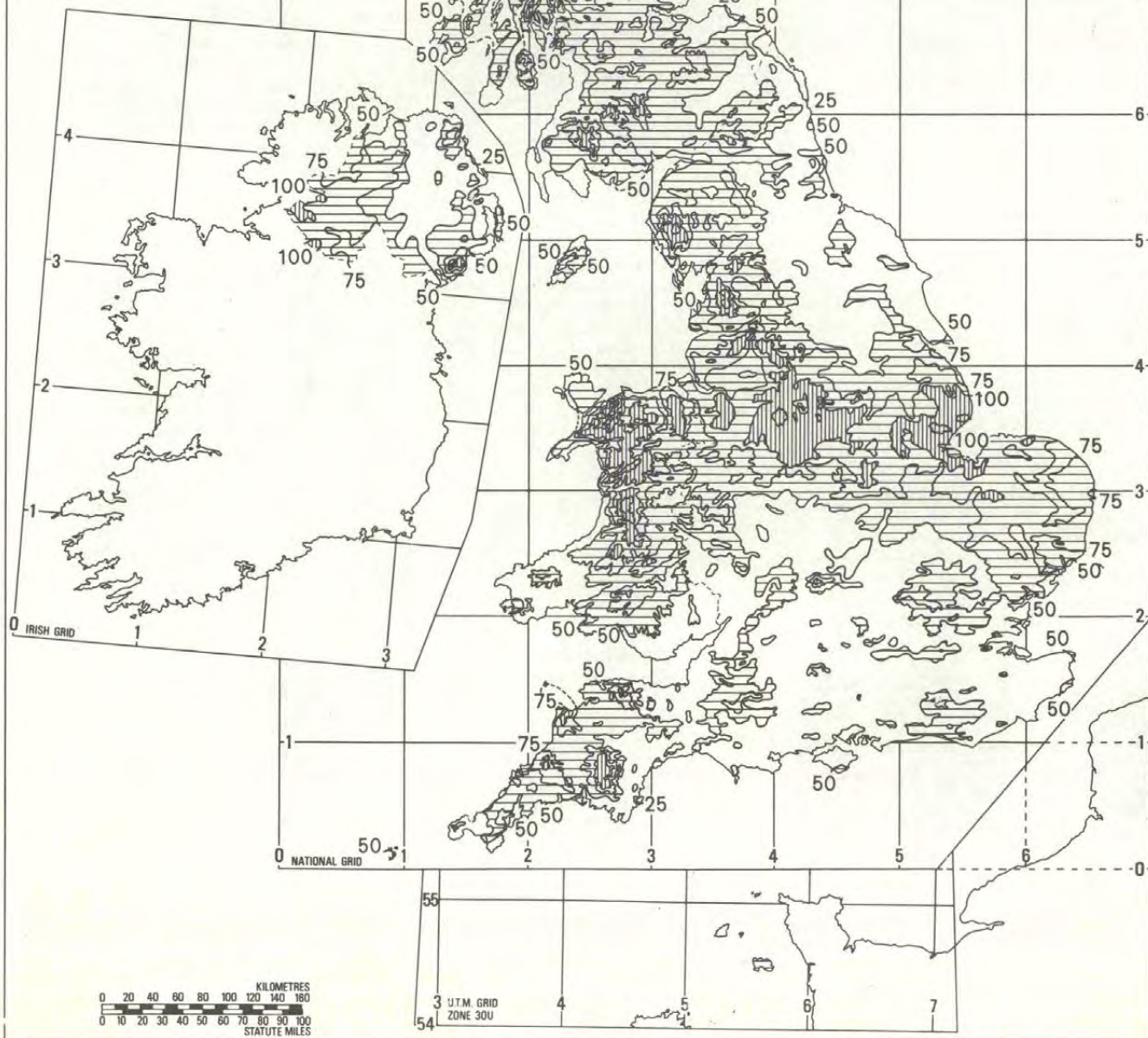
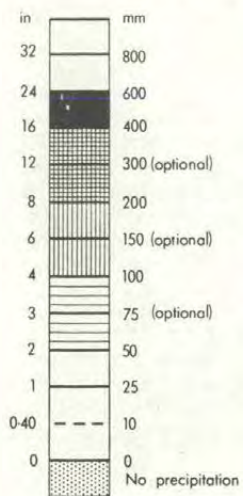
\*Highest maximum and lowest minimum of District Value Stations.



# RAINFALL (in millimetres)

## JUNE 1978

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





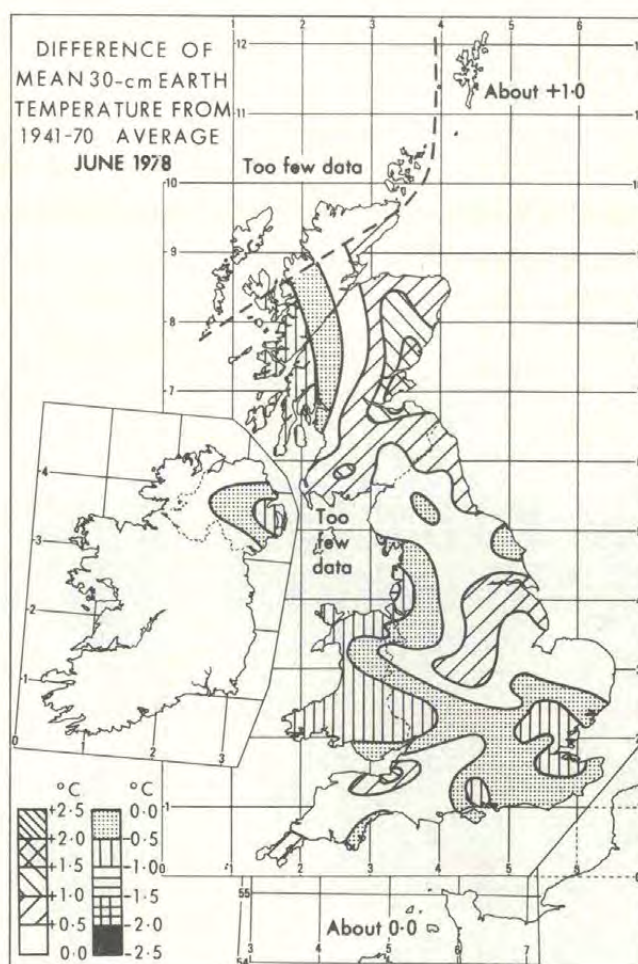
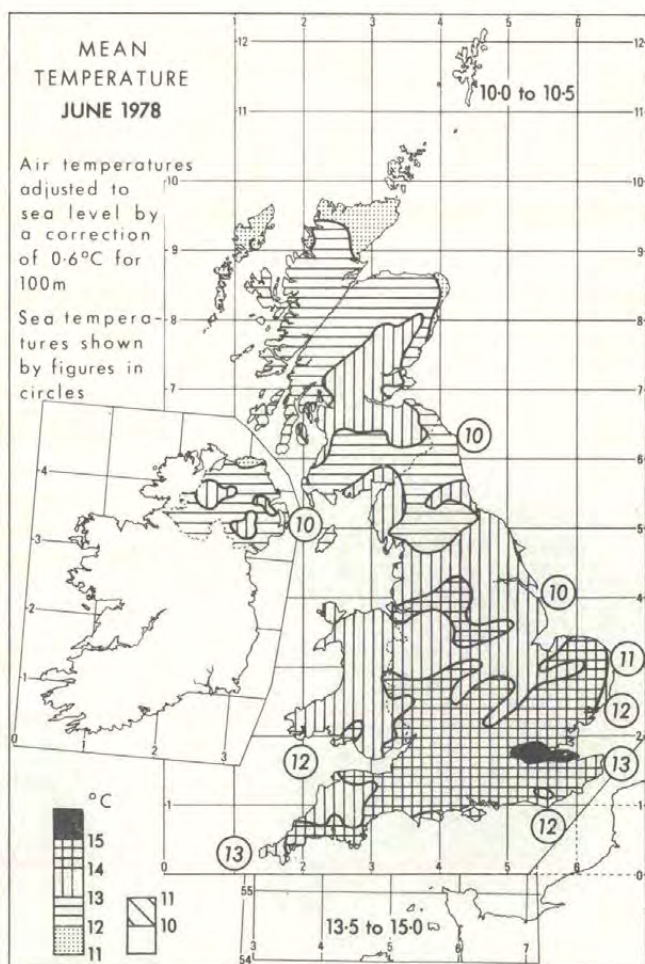
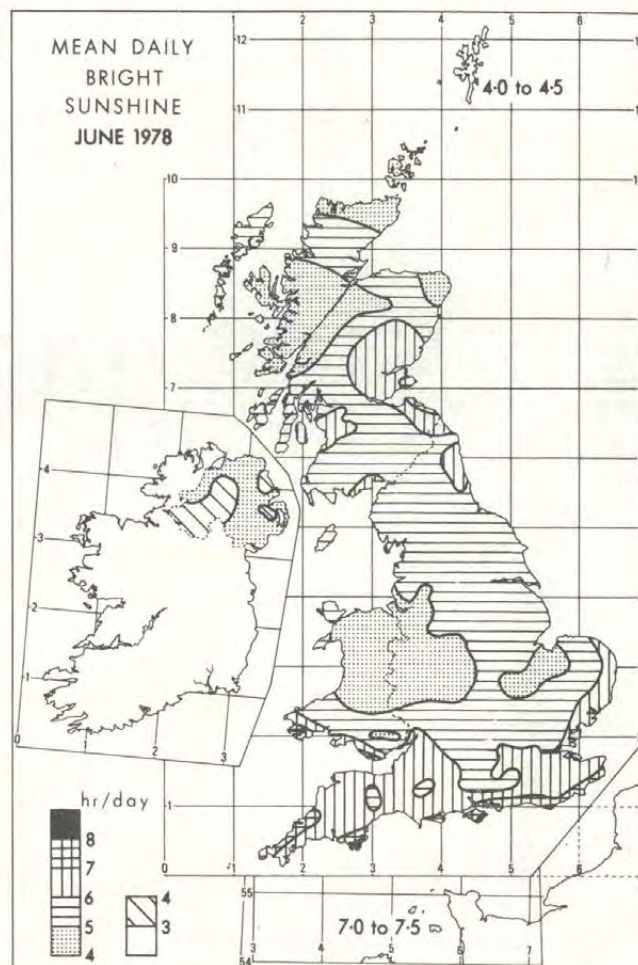
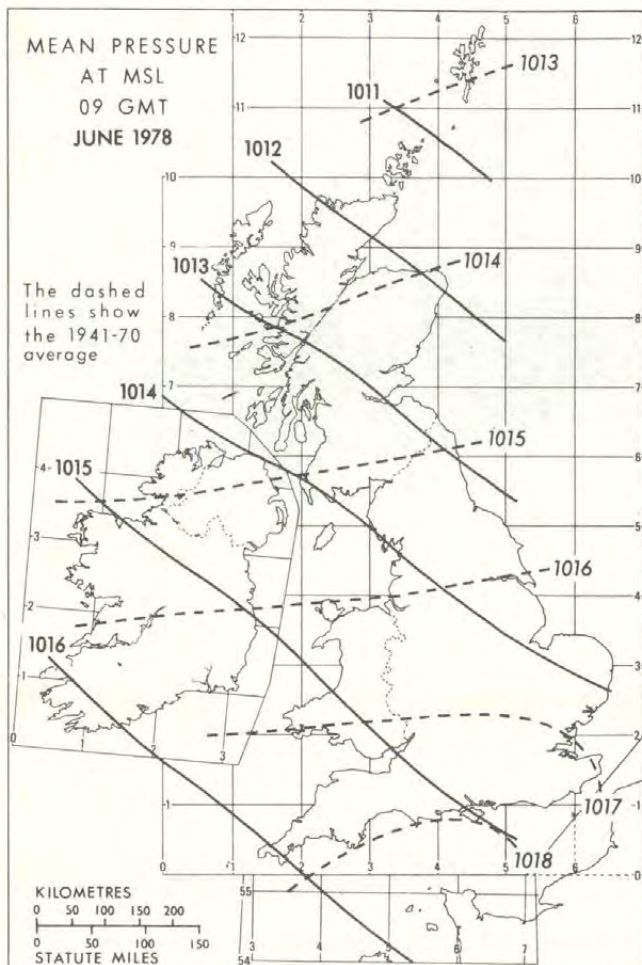




TABLE 2 SOLAR RADIATION

JUNE 1978

STATION	DAILY GLOBAL IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)						DAILY DIFFUSE IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	30.2	17	2.9	22	16.5	29	14.6	24	2.8	22	10.1	29
ABERDEEN UNIVERSITY	26.5	17	4.7	20	15.6	30	14.4	12	5.0	18	9.5	30
ESKDALEMUR	31.0	18	6.1	29	15.9	30						
MOOR HOUSE												
SUTTON BONINGTON												
GRAHAM WATER												
ABERPORTH	31.1	18	6.3	7	17.7	30	15.1	1	4.9	18	10.7	30
CARDINGTON	26.8	11	6.8	26	16.7	30	14.7	6	6.7	26	10.8	30
SILSDOE	26.9	19	7.5	26	16.7	30	14.0	5	7.3	26	11.1	30
ROTHAMSTED	30.6	18	6.5	29	20.0	30						
GARSTON												
MALLINGFORD	26.6	11	8.3	13	16.2	30						
LONDON WEATHER CENTRE	29.5	18	5.1	26	15.6	29	12.1	5	5.2	26	9.7	29
KEM	29.4	18	5.4	26	16.6	30	13.5	5	5.6	26	10.3	30
EASTHAMPTON	29.9	18	7.4	29	17.5	30	14.5	5	6.8	18	10.5	30
EAST MALLING												
RUSTINGTON	30.6	18	6.5	29	20.0	30						
WAREHAM	29.4	18	9.6	17	19.0	30						
JERSEY AIRPORT	31.4	25	6.9	29	20.6	30	16.5	14	5.6	19	10.3	30
ALDERGROVE	30.7	17	5.4	14	15.7	30	13.3	12	4.9	14	9.8	30

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JUNE 1978

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																					
0 SCOTLAND N																															
SHEPHERD	9 9	24	13.6	7.6	10.6	+0.1	21.3	2	4.0	21	10.5	-	57	90	17	22	21	15	0	0	0	0	0	0	0	0	0	0	3.97	79	-
BALASOUND	9 9	57	11.4	8.1	9.7	-	16.2	2	5.2	12	10.5	9.4	34	-	7	27	16	8	0	0	0	0	0	3	0	0	0	-	4.71	-	-
FAIR ISLE	21-9	82																													
LERWICK			12.1	7.9	10.0	-	19.3	2	5.2	12	-	-	67	-	10	21	13	14	0	0	0	0	3	0	0	0	0	0	4.40	87	-
PSYCHROMETER			12.4	7.9	10.1	0.0	20.0	2	5.0	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SCREEN																															
ORKNEY																															
KIRKALL AIRPORT	21-9	26	13.3	8.3	10.8	-0.2	20.8	2	4.7	21	-	-	32	58	7	8	14	9	0	0	0	0	0	2	0	0	0	0	4.23	79	-
WETLAND	9 9	24	13.4	8.5	10.9	-	20.7	2	5.0	18	12.4	-	36	-	10	6	14	9	0	0	0	0	0	2	0	0	0	0	-	-	-
WESTERN ISLES																															
BENBECULA	21-9	6	14.5	9.1	11.8	-0.5	24.6	4	4.4	13	-	-	63	-	10	5	19	16	0	0	0	0	0	0	0	0	3	0	5.22	81	-
STORNOWAY	21-9	15	13.8	8.5	11.1	-0.6	22.8	1	3.6	13	-	-	52	-	10	19	18	13	0	0	0	0	0	0	0	0	0	0	5.43	94	-
HIGHLAND																															
ACHARY	9 9	107	15.5	7.3	11.4	-	25.4	1	-0.2	14	11.2	-	50	-	8	8	17	13	0	0	0	0	1	0	1	3	-	0	5.48	-	-
ACHNASHALLACH	9 9	67	16.1	8.1	12.1	-0.3	27.2	4	2.0	13	-	-	92	73	23	8	22	14	0	0	0	0	0	0	0	0	0	-	-	-	-
BALMACARA	9 9	4	15.8	9.0	12.4	-	25.4	4	4.8	13	-	-	72	74	14	20	20	15	0	0	0	0	0	0	0	0	0	-	-	-	-
CAPE WRATH	21-9	112	12.2	8.3	10.3	-0.4	22.9	1	5.8	8	-	-	74	91	18	6	18	15	0	0	0	0	1	2	0	0	0	0	4.47	-	-
CASSLEY	9 9	99	15.4	7.8	11.6	-	25.0	2	2.0	13	-	-	98	-	24	8	18	16	-	-	-	-	-	-	-	-	-	-	-	-	-
CORPACH	9 9	8	-	8.8	-	-	-	-	5.0	14	-	-	55	-	11	21	16	13	0	0	0	0	0	0	0	0	0	0	-	-	-
CRAIGARROCH	9 9	38	17.6	7.4	12.5	-	27.4	1	0.5	13.14	-	-	45	-	10	21	15	9	0	0	0	0	0	0	0	0	0	1	-	-	-
DALCROSS	9 9	11	16.1	8.6	12.3	-	24.2	2	0.8	14	-	-	41	-	8	21	15	7	-	-	-	-	-	-	-	-	-	-	-	-	-
DALWHINNIE	9 9	351	14.9	5.7	10.3	-	23.6	1	-1.4	13	-	-	33	-	9	21	15	9	0	0	0	0	0	0	4	5	-	0	5.40	-	S
DIABAG	9 9	60	15.5	9.0	12.3	-	26.5	4	4.2	13	-	-	80	-	18	22	22	17	0	0	0	0	0	0	0	0	0	-	-	-	-
DOUMREAY	9 9	21	14.0	8.6	11.3	-	26.0	1	2.5	14	-	-	38	68	8	8	15	9	0	0	0	0	0	0	0	0	0	0	4.07	-	-
FORT AUGUSTUS	9 9	21	16.9	8.4	12.3	-	27.4	1	1.7	14	-	-	35	-	13	23	14	8	0	0	0	0	1	0	0	0	0	0	4.80	101	-
FORTROSE	9 9	5	14.8	9.8	12.3	-0.3	22.0	2	5.2	13	-	-	40	78	9	21	12	6	-	-	-	-	0	0	-	-	-	-	4.86	90	-
GEISGEIL	9 9	12	15.3	8.4	11.9	-	26.2	4	2.1	13	-	-	88	-	18	6	20	15	-	-	-	-	-	-	-	-	-	-	5.16	-	-
GLENMORE LODGE	9 9	341	15.2	6.2	10.7	-	24.4	1	-2.3	14	-	-	66	90	27	23	15	9	0	0	0	0	0	1	5	1	0	4.53	-	S	-
GRANTOWN-ON-SPEY	9 9	229	15.9	6.4	11.1	-	25.5	1	-3.8	14	-	-	63	-	38	29	14	9	0	0	0	0	0	0	1	8	-	0	5.16	-	-
HEARST	9 9	109	14.7	8.4	11.5	-	25.9	4	4.5	13	-	-	83	-	19	22	20	14	0	0	0	0	0	1	0	0	0	0	-	-	-
INVERNESS	9 9	4	16.4	9.6	13.0	-	25.5	4	3.0	14	-	-	31	58	7	4	8	7	0	0	0	0	0	0	0	0	0	0	5.20	-	-
INVERPOLLY	9 9	14	(14.8)	(8.5)	(11.7)	-	26.6	4	1.9	13	12.0	-	79	-	11	22	21	16	0	0	0	0	1	0	0	0	0	0	-	-	-
ISLE OF RHUM	9 9	5	15.8	8.7	12.3	-	25.6	4	4.0	14	14.1	12.1	89	54	13	4	20	17	0	0	0	0	0	0	0	4	-	-	-	-	-
KEISS	9 9	30	13.8	8.0	10.9	-	19.8	2	1.5	13	12.7	11.4	27	-	5	8	15	9	0	0	0	0	0	1	0	1	-	1	4.58	-	-
KNOCKANROCK	9 9	244	13.8	7.6	10.7	-	24.1	4	2.4	13	-	-	129	104	25	8	23	18	0	0	0	0	1	2	0	3	-	0	-	-	-
LAGGANILIA	9 9	250	15.9	6.4	11.1	-	25.4	1	-4.2	14	-	-	53	-	20	29	12	8	0	0	0	0	0	0	2	4	-	0	-	-	-
LAIRG	9 9	107	16.1	7.2	11.7	-	25.9	1	-0.2	14	12.0	10.1	57	-	10	23	17	14	0	0	0	0	1	0	2	2	-	0	-	-	-
LENTAN	9 9	146	15.4	7.1	11.3	-	25.2	1	-0.3	14	-	-	44	-	14	21	11	6	0	0	0	0	0	0	1	3	-	2	-	-	-
MAIRN	9 9	6	15.9	8.3	12.1	-0.4	24.6	4	-0.4	14	-	-	35	68	9	24	10	9	0	0	0	0	0	0	1	3	-	0	5.26	95	-
ONICH	9 9	15	17.2	8.5	12.9	+0.4	28.5	4	2.0	14	-	-	66	51	13	21	16	14	-	-	-	-	1	0	1	-	-	-	4.25	89	S
POOLEWE	9 9	6	15.3	9.2	12.3	-	28.8	4	3.4	13	-	-	86	-	20	22	22	14	0	0	0	0	0	0	0	0	0	0	4.96	-	S
PRABOST	9 9	67	15.3	8.4	11.9	-	25.8	1	3.6	18	-	-	69	63	13	20	22	15	0	0	0	1	0	0	0	1	-	1	4.87	-	-
STRATHCONON	9 9	107	16.9	7.3	12.1	-	26.7	1	0.0	14	-	-	65	-	15	21	15	11	0	0	0	0	0	0	0	0	0	-	-	-	-
TARBATNESS	21-9	18	14.9	9.0	11.9	-0.2	22.5	2	5.8	13	-	-	44	-	9	24	13	8	0	0	0	0	0	0	0	0	0	-	-	-	-
TOMATIN	9 9	311	15.0	6.4	10.7	-	25.1	1	-2.1	14	-	-	37	-	6	29	15	9	0	-	0	0	0	0	0	0	0	-	-	-	-
TORRISDALE	9 9	27	14.4	8.7	11.5	-	26.1	1	3.8	14	-	-	54	-	10	8	16	14	0	0	0	0	1	0	0	0	0	-	4.91	-	-
WICK	21-9	36	13.8	8.3	11.1	+0.1	21.1	2	3.2	13	-	-	30	60	5	8	16	9	0	0	0	0	0	1	0	0	0	-	4.68	85	-







[illegible]



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

[illegible]



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JUNE 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(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	AMOUNT (MM)	DATE	PRECIP- ITATION	0-2 MM OR MORE	1-0 MM OR MORE	2-0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	DRAWS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	ORLE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE EXPOSURE	
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																							
4 MIDLAND COUNTIES																																	
WEST YORKSHIRE																																	
BRAFDORD ...	9 9	134	16.6	9.0	12.8	-0.9	25.6	1	5.9	11	13.7	12.0	49	92	21	4	14	10	0	0	0	0	0	2	0	0	3	1	0	0	5.08	81	S
BRAMHAM ...	9 9	54	(17.8)	8.1	(12.9)	-	25.6	1	3.0	14	-	-	43	99	9	15	13	10	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-
HUDDESFIELD(OAKES) ...	21-9	232	17.4	8.5	12.9	-0.8	26.7	1	3.7	14	12.9	10.3	55	91	15	1	17	13	0	0	0	0	1	0	0	0	0	0	0	0	-	-	-
ILKLEY ...	9 9	83	17.8	8.7	13.3	-0.6	26.0	1	4.4	13	-	-	38	65	9	15	14	10	0	0	0	0	0	0	0	0	0	0	0	0	5.60	94	-
PONTEFRAC ...	9 9	78	17.3	9.5	13.4	-0.7	26.0	1	6.1	18	-	-	43	92	6	15	13	9	0	0	0	0	0	0	2	0	0	0	0	0	-	-	-
TODMORDEN ...	9 9	160	16.2	8.5	12.3	-	26.1	1	3.2	13	-	-	57	9	1	-	15	12	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-
WILSDEN ...	9 9	262	15.8	8.0	11.9	-	26.6	1	3.9	13	-	-	57	17	1	-	16	12	0	0	0	0	0	0	2	0	0	1	0	0	-	-	-
SOUTH YORKSHIRE																																	
FINNINGLEY ...	21-9	10	18.3	9.2	13.7	-	27.6	1	5.7	19	-	-	59	127	12	15	14	13	0	0	0	0	0	0	3	0	0	0	0	0	5.42	-	-
SHEFFIELD																																	
DORE ...	9 9	206	16.8	9.2	13.0	-	25.7	1	5.0	14	-	-	97	26	1	-	13	10	0	0	0	0	0	0	3	0	0	1	0	0	-	-	-
WESTON PARK ...	9 9	131	17.4	10.0	13.7	-0.8	26.5	1	6.2	14	14.9	12.9	90	173	23	16	14	10	0	0	0	0	0	0	2	-	0	-	-	0	5.81	95	-
DERBYSHIRE																																	
ASHOVER ...	9 9	178	17.2	9.0	13.1	-	26.6	1	5.8	14	-	-	120	-	52	16	12	10	0	0	0	0	0	1	2	0	0	0	0	0	5.36	-	-
BUXTON ...	9 9	307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DERBY ...	9 9	48	18.0	10.3	14.1	-	27.0	1	7.3	11	-	-	88	172	31	15	11	9	0	0	0	0	0	0	2	0	0	0	0	0	4.74	-	S
WINGERWORTH ...	9 9	116	17.2	8.2	12.7	-	26.3	1	5.3	14	14.9	-	107	-	35	16	16	9	0	0	0	0	0	0	4	0	0	0	0	0	5.72	-	S
NOTTINGHAMSHIRE																																	
MANSFIELD ...	9 9	114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NEWTHORPE ...	9 9	58	(17.6)	-	-	-	26.2	1	-	-	-	-	112	-	26	15	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOTTINGHAM ...	9 9	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SUTTON BONINGTON ...	9 9	48	17.9	8.4	13.1	-1.1	27.4	1	5.0	11	14.1	12.6	77	167	32	15	11	9	0	0	0	0	0	0	3	0	0	0	0	0	5.09	82	-
WARSOP ...	9 9	46	18.1	8.4	13.3	-	26.9	1	5.1	19	-	-	101	219	32	15	12	10	0	0	0	0	1	0	2	0	0	0	0	0	5.57	-	-
WATHALL ...	21-9	117	17.2	9.3	13.3	-1.0	27.0	1	6.1	9	-	-	112	212	28	15	12	11	0	0	0	0	1	0	2	0	0	0	0	0	5.14	83	-
STAFFORDSHIRE																																	
KEELE ...	9 9	179	15.9	8.8	12.3	-	23.3	3	4.6	13	13.5	11.5	108	172	29	15	18	15	0	0	0	0	0	0	3	0	0	0	0	0	4.00	-	S
DAKEN ...	9 9	125	17.3	8.4	12.9	-1.2	25.1	4	3.1	13	14.5	-	68	130	11	15	16	11	0	0	0	0	0	0	3	1	0	0	0	0	-	-	S
PENKIRIDGE ...	9 9	101	17.3	7.5	12.4	-	24.5	4.19	1.8	13	-	-	84	167	21	16	16	10	0	0	0	0	0	1	3	0	0	0	0	0	-	-	-
STONE ...	9 9	107	16.7	8.6	12.7	-	24.5	1	3.3	13	-	-	87	156	25	15	16	11	0	0	0	0	2	0	2	0	0	1	0	0	4.55	-	-
LEICESTERSHIRE																																	
CALDECOTT ...	9 9	53	18.4	8.7	13.5	-	26.7	1	4.2	19	-	-	56	131	23	15	14	9	0	0	0	0	0	0	2	0	0	0	0	0	5.02	-	-
NEWTOWN LINFORD ...	9 9	119	17.9	8.6	13.3	-	25.8	1	4.7	9	-	-	76	149	27	15	11	9	0	0	0	0	1	0	3	0	0	1	0	0	4.86	-	-
SALOP																																	
HAMPTON LOADE ...	9 9	70	18.3 (8.7)	(13.5)	-	25.5	4	3.0	13	-	-	-	44	-	8	7	13	13	-	-	-	-	-	-	-	-	-	-	-	-	4.80	-	-
NEWMPT ...	9 9	64	17.6	8.6	13.1	-0.8	25.5	1	2.3	13	-	-	63	131	18	16	16	9	0	0	0	0	0	0	3	0	0	1	0	0	4.59	73	-
OSWESTRY ...	9 9	174	16.5	9.1	12.8	-0.9	24.0	1	4.8	13	-	-	77	137	30	16	15	13	0	0	0	0	0	0	2	0	0	1	0	0	4.33	69	S
PRESTON MONTFORD ...	9 9	67	17.9	8.4	13.1	-	24.8	1	2.5	13	15.1	13.5	65	-	16	16	16	13	0	0	0	0	0	0	1	0	0	4	0	0	4.89	-	S
SHAWBURY ...	21-9	72	17.3	8.8	13.1	-1.0	25.3	1	2.8	13	-	-	60	123	15	16	16	12	0	0	0	0	0	0	2	0	0	2	0	0	4.62	72	-
SHREWSBURY ...	9 9	56	-	9.2	-	-	-	-	3.6	13	15.7	14.7	65	142	13	16	16	14	0	0	0	0	0	0	2	0	0	0	0	0	4.20	67	-
WEST MIDLANDS																																	
BIRMINGHAM																																	
EDGBASTON ...	21-9	163	17.1	10.1	13.6	-0.9	25.2	1	6.5	13	12.3	-	37	69	7	7	15	8	0	0	0	0	0	0	2	0	0	1	0	0	4.66	76	-
ELDON AIRPORT ...	21-9	96	17.8	9.0	13.4	-0.7	25.5	1	2.2	13	-	-	40	-	9	15	15	10	0	0	0	0	0	0	2	0	0	1	0	0	4.69	72	-
KING EDWARD S SCHOOL ...	9 9	137	17.8	9.5	13.7	-	25.8	1	6.3	13	-	-	72	143	13	22	16	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COVENTRY AIRPORT ...	9 9	81	18.1</																														



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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JUNE 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT 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 24)	DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM	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 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																								
			MAX. (A)	MIN. (B)			MAX.	DATE																																													
5 ENGLAND SE & CENTRAL S.																																																					
GREATER LONDON																																																					
BROMLEY ...	9 9	65	19.4	10.6	15.0	-0.5	27.0	1	7.0	15.24.27	-	-	42	86	12	22	11	7	-	-	-	-	-	0	-	-	-	-	-	-																							
GREENWICH ...	9 9	7	19.8	11.0	15.4	-	27.4	1	5.5	15	-	-	54	123	17	23	8	7	-	-	-	-	-	0	-	-	-	-	5.64	-																							
HAMPSTEAD ...	9 9	137	18.4	10.0	14.2	-0.7	25.5	4	6.2	27	-	-	57	109	15	15	14	10	-	-	-	-	-	0	-	-	-	-	5.72	82																							
HAMPTON ...	9 9	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																							
HARROW WEALD ...	9 9	98	(19.1)	9.2	(14.1)	-	26.5	4.5	5.0	15	15.8	14.0	38	-	11	15	10	8	-	-	-	-	-	-	-	-	-	-	-	-																							
HERTHROW AIRPORT ...	21-9	25	19.7	10.7	15.2	-0.6	26.9	1	6.5	27	-	-	38	79	8	15	10	7	-	-	-	-	-	-	-	-	-	-	-	5.86																							
KENSINGTON PALACE ...	9 9	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																							
KEW ...	21-9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																							
PSYCHROMETER ...	9 9	-	18.9	9.7	14.3	-	26.3	1	3.4	15	14.6	12.7	41	88	10	15	10	7	-	-	-	-	-	-	-	-	-	-	6.20	87																							
NORTH WALL SCREEN ...	9 9	-	19.6	11.0	15.3	-0.6	27.5	1	6.4	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																							
LONDON																																																					
WEATHER CENTRE (X)	21-9	77	19.5	12.1	15.8	-	26.7	1	8.8	27	-	-	40	-	12	15	13	8	-	-	-	-	-	-	-	-	-	-	6.02	89																							
ST JAMES PARK ...	9 9	9	19.8	11.4	15.6	-0.6	27.6	1	7.7	27	-	-	46	91	14	15	12	7	-	-	-	-	-	-	-	-	-	-	-	-																							
SOUTHGATE ...	9 9	67	(19.4)	10.2	(14.8)	(-0.6)	26.0	1	5.3	15	14.8	-	69	144	19	1	13	11	-	-	-	-	-	-	-	-	-	-	5.74	93																							
WADDON ...	9 9	59	19.3	10.4	14.9	-0.4	26.0	1.4	7.0	11.15.27	-	-	49	101	16	22	11	8	-	-	-	-	-	-	-	-	-	-	-	-																							
MILTSHIRE																																																					
BOSCOMBE DOWN ...	21-9	126	18.2	8.9	13.5	-1.0	25.0	19	2.4	16	-	-	37	79	12	22	12	7	-	-	-	-	-	-	-	-	-	-	6.49	94																							
LACOCK ...	9 9	49	18.7	7.8	13.3	-	25.3	3	2.9	13	-	-	35	68	8	21	12	8	-	-	-	-	-	-	-	-	-	-	-	-																							
LARKHILL ...	9 9	132	18.5	8.7	13.6	-0.7	25.8	3	1.3	16	-	-	35	72	14	22	13	4	-	-	-	-	-	-	-	-	-	-	-	-																							
LYNEHAM ...	21-9	145	18.1	9.1	13.6	-0.7	24.6	1.3	5.2	13	-	-	37	77	15	21	12	7	-	-	-	-	-	-	-	-	-	-	6.04	-																							
PORTON ...	9 9	111	18.4	8.1	13.3	-0.9	24.8	19	1.3	16	14.8	-	31	66	8	22	12	6	-	-	-	-	-	-	-	-	-	-	6.32	89																							
TROWBRIDGE ...	9 9	37	19.3	9.2	14.3	-	26.7	3	5.0	13.16	15.5	-	53	-	18	21	9	8	-	-	-	-	-	-	-	-	-	-	-	-																							
UPAVON ...	21-9	179	18.4	8.8	13.6	-	25.3	3	4.3	16	-	-	40	76	17	22	13	7	-	-	-	-	-	-	-	-	-	-	-	-																							
BERKSHIRE																																																					
EASTHAMPTON ...	9 9	77	18.8	8.0	13.4	-	25.7	1	1.2	15	13.7	12.6	48	-	15	29	10	8	-	-	-	-	-	-	-	-	-	-	6.13	-																							
HURLEY ...	9 9	43	18.9	9.3	14.1	-	25.7	1	3.3	15	15.6	-	41	82	15	22	11	8	-	-	-	-	-	-	-	-	-	-	5.87	-																							
LANBOURN (WARREN FARM)	9 9	192	17.9	8.1	13.0	-	24.1	1	3.7	13	15.0	-	28	-	7	7	10	7	-	-	-	-	-	-	-	-	-	-	-	-																							
READING ...	9 9	66	18.9	9.4	14.1	-	25.5	1.28	4.1	15	14.7	13.0	36	-	8	15	10	7	-	-	-	-	-	-	-	-	-	-	6.00	-																							
SHINFIELD (N.I.R.D.)	9 9	62	19.1	9.2	14.1	-	25.6	1	4.2	15	-	-	41	-	10	29	11	7	-	-	-	-	-	-	-	-	-	-	5.84	-																							
SURREY																																																					
WISLEY ...	9 9	32	19.5	9.1	14.3	-0.9	26.0	1	3.9	11	15.5	14.0	38	86	11	22	13	7	-	-	-	-	-	-	-	-	-	-	6.05	86																							
KENT																																																					
DOVER R.M.S.	9 9	123	17.0	9.9	13.5	-	22.8	4	6.6	9	-	-	56	117	12	15	12	11	-	-	-	-	-	-	-	-	-	-	-	-																							
DUNGENESS ...	9 9	6	16.7	11.2	13.9	-	20.2	2	6.5	19	-	-	38	99	9	23	11	10	-	-	-	-	-	-	-	-	-	-	-	-																							
EAST MALLING ...	9 9	52	19.0	10.0	14.5	-0.2	26.1	1	5.7	15	15.7	13.8	34	75	10	21	11	7	-	-	-	-	-	-	-	-	-	-	6.40	89																							
EDENBRIDGE ...	9 9	45	18.9	9.4	14.1	-	25.5	4	5.4	13	-	-	35	-	10	15	10	7	-	-	-	-	-	-	-	-	-	-	6.42	-																							
ELINSTONE ...	9 9	5	19.2	9.0	14.1	-	25.9	4	2.8	16	-	-	46	111	9	15	12	10	-	-	-	-	-	-	-	-	-	-	-	-																							
FAVERSHAM ...	9 9	48	18.9	10.0	14.5	-	26.6	4	5.9	27	14.8	13.4	43	93	8	7	11	8	-	-	-	-	-	-	-	-	-	-	6.31	-																							
FOLKESTONE ...	9 9	31	17.5	10.5	14.0	-	22.8	3	6.1	14	-	14.1	41	103	7	21	13	10	-	-	-	-	-	-	-	-	-	-	7.54	94																							
GILLINGHAM ...	9 9	3	20.0	11.1	15.5	-	27.0	1.4	7.8	24	-	-	35	77	8	23	11	8	-	-	-	-	-	-	-	-	-	-	-	-																							
GOUDHURST ...	9 9	85	18.6	8.9	13.7	-0.4	24.4	1	3.4	8	-	-	49	95	12	22	13	7	-	-	-	-	-	-	-	-	-	-	-	-																							
HADLOW COLLEGE ...	9 9	27	19.1	8.9	14.0	-	25.4	1	4.9	15	15.0	13.4	37	-	9	15	8	8	-	-	-	-	-	-	-	-	-	-	6.28	-																							
HERNE BAY ...	9 9	31	18.3	10.4	14.3	-	26.0	4	6.5	19	15.7	-	43	-	7	22	11	11	-	-	-	-	-	-	-	-	-	-	7.08	95																							
MANSTON ...	21-9	44	18.3	10.5	14.4	-	24.8	1	5.4	19	-	-	45	112	7	5.28	14	10	-	-	-	-	-	-	-	-	-	-	6.95	-																							
MARGATE ...	9 9	16	17.9	11.7	14.8	-0.3	25.3	1	7.6	25	16.0	14.1	62	164	21	26	13	10	-	-	-	-	-	-	-	-	-	-	6.39	81																							
ULCONBE ...	21-9	47	19.1	9.3	14.2	-	26.1	1	4.3	27	-	-	41	-	11	15	11	7	-	-	-	-	-	-	-	-	-	-	6.23	-																							
WYE ...	9 9	56	18.4	10.1	14.3	-0.4	24.9	4	6.5	27	15.2	13.4	27	59	8	21	11	8	-	-	-	-	-	-	-	-	-	-	6.49	88																							
HAMPSHIRE																																																					



DISTRICT REGION/COUNTY AND PLACE	MAX. MIN.	TERMINAL H (GMT) 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 24 H)	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	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
				MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE				PERCENTAGE OF 1941-70 AVERAGE	AMOUNT (MM)																		DATE	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
																																		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	AMOUNT (MM)	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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JUNE 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT 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	DIFFERENCE FROM 1941-70 AVERAGE	DATE	30 CH DEGREES C	100 CH DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION	0.2 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIR	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)																									
																												DAILY MEAN (MEAN OF A+B)	
8A WALES S CONTINUED																													
WEST GLAMORGAN																													
MUMBLES HEAD	21-9	36	16.6	10.9	13.7	-	23.8	11	6.9	16	-	-	47	56	12	21	15	11	0	0	0	0	0	0	0	0	0	-	-
NEATH	9-9	62	17.7	10.3	14.0	-	26.0	3	3.8	16	-	-	47	56	12	21	15	11	0	0	0	0	0	0	0	0	6.43	-	
PENRHEN	9-9	87	17.2	9.9	13.5	-	24.3	3	5.3	16	15.5	14.7	56	72	16	21	15	10	0	0	0	0	0	0	0	0	6.08	-	
PORT TALBOT	9-9	5	17.6	10.3	13.9	-	25.6	3	5.5	9.16	-	-	43	58	11	21	13	12	0	0	0	0	0	0	0	0	-	-	
SWANSEA	9-9	10	17.6	10.9	14.3	-	23.8	19	7.2	24	17.0	15.7	52	73	9	21	16	11	0	0	0	0	0	0	0	0	-	-	
WHITEFORD BURROWS	9-9	5	17.1	10.2	13.7	-	24.2	3	3.9	16	-	-	52	-	16	21	13	9	0	0	0	0	0	0	0	0	-	-	
MID GLAMORGAN																													
ABERGARE FILTER STATION	9-9	174	16.9	8.9	12.9	-	24.1	1	3.2	16	-	-	50	-	17	21	16	9	-	-	-	-	2	-	-	-	3.63	-	
CILFYNYDD	21-9	194	16.4	8.9	12.7	-	23.4	1	4.2	16	-	-	48	-	10	21	12	9	0	0	0	0	0	0	0	0	-	-	
LLMYNON	9-9	241	16.1	8.0	12.1	-	23.6	1.3	3.3	13	-	-	71	71	19	21	18	13	0	0	0	0	0	0	0	0	5.59	-	
PORTHCARL	9-9	6	17.7	9.6	13.7	-	25.6	4	2.3	16	-	-	39	60	15	21	10	10	0	0	0	0	0	0	0	0	7.36	-	
SOUTH GLAMORGAN																													
BRIDGEND	9-9	40	17.6	9.4	13.5	-	24.7	3	4.4	16	15.9	13.3	37	-	7	21	14	10	0	0	0	0	1	2	0	0	-	-	
CARDIFF (BUTE PARK)	9-9	9	18.5	9.7	14.1	-	25.6	3	5.0	17	-	14.8	30	-	10	21	14	8	0	0	0	0	0	0	0	0	5.94	-	
RHOOSE AIRPORT	21-9	67	17.1	9.5	13.3	-	24.0	3	5.6	10.13	-	-	35	-	9	21	13	8	0	0	0	0	0	0	0	0	7.14	-	
GWENT																													
CRUMBLAND	9-9	245	17.5	8.5	13.0	-	24.0	3	4.5	13	13.7	12.5	42	64	9	7	14	11	0	0	0	0	0	1	0	2	6.07	-	
USK	9-9	21	19.7	8.0	13.9	-0.8	28.0	3	4.0	10.11.15	16.6	-	20	33	3	22	13	8	0	0	0	0	0	0	0	0	4.60	73	
8B ENGLAND SW																													
AVON																													
BATH	9-9	118	-	-	-	-	-	-	-	-	-	-	30	53	7	4	9	8	-	-	-	-	-	-	-	-	-	-	
FILTON	21-9	59	18.6	9.9	14.3	-0.6	25.6	3	5.6	16	-	-	40	75	11	21	13	8	0	0	0	0	0	0	0	0	6.33	93	
LONG ASHTON	9-9	51	18.5	9.5	14.0	-0.8	25.9	3	4.0	13	15.4	-	34	58	10	21	12	8	0	0	0	0	0	0	0	0	6.33	92	
SOMERSET																													
CANNINGTON	9-9	28	18.9	10.2	14.5	-0.4	25.4	3	5.8	16	16.8	-	28	63	7	23	14	9	0	0	0	0	0	0	0	0	6.50	90	
CREWKERNE	9-9	101	17.8	9.5	13.7	-	23.8	3	5.5	13.16	15.7	-	45	-	12	22	15	9	0	0	0	2	-	0	-	-	-	-	
DOWNSIDE ABBEY	9-9	183	17.4	9.3	13.3	-	24.3	3	4.5	16	-	-	56	81	32	21	13	7	0	0	0	0	0	0	0	0	-	-	
EXTON	21-9	329	16.5	8.3	12.4	-	23.1	19	2.9	16	-	-	46	-	13	21	16	11	0	0	0	0	1	1	0	2	0	-	
HAWKRIIDGE	9-9	314	15.6	8.4	12.0	-	22.2	3	0.9	16	-	-	52	65	13	21	16	10	0	0	0	0	2	1	0	1	0	6.03	
NETTLECOMBE	9-9	96	17.6	8.8	13.2	-	24.2	3	2.3	16	16.5	-	30	-	5	3	15	8	0	0	0	0	0	0	0	0	-	-	
NETTLECOMBE (BIRDS HILL)	9-9	280	15.6	9.3	12.5	-	22.4	3	5.5	16	-	-	37	-	7	15	15	9	0	0	0	0	0	0	0	1	0	-	
RODNEY STOKE	9-9	40	18.0	9.8	13.9	-	26.1	3	5.7	10	15.6	14.0	41	70	9	21	13	9	0	0	0	0	0	0	0	0	-	-	
WINCANTON	9-9	113	18.0	9.3	13.7	-	24.7	3.19	4.8	13	-	-	58	105	17	22	12	11	0	0	0	0	0	1	1	0	0	5.78	
YEOWILTON	21-9	18	18.7	9.3	14.0	-	25.1	3.19	5.1	10	-	-	41	92	13	22	11	9	0	0	0	0	2	0	0	0	-	-	
DORSET																													
BOURNEMOUTH	21-9	10	18.7	9.0	13.9	-	24.1	3	0.7	16	-	-	29	61	6	4	15	10	0	0	0	0	2	0	0	2	0	6.37	
HURN AIRPORT	9-9	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
METRICK PARK	9-9	3	17.9	10.2	14.1	-	22.2	3	3.6	16	-	-	29	60	6	4	13	10	0	0	0	0	2	0	0	0	0	-	
CHRISTCHURCH	9-9	5	18.9	11.0	14.9	-0.2	24.2	19	4.0	15	15.6	14.2	22	49	5	7	13	7	0	0	0	0	0	0	0	0	6.25	83	
POOLE	9-9	5	17.9	10.2	14.1	-	22.2	3	3.6	16	-	-	29	60	6	4	13	10	0	0	0	0	0	0	0	0	-	-	
PORTLAND BILL (COASTGUARD)	21-9	53	16.0	10.5	13.3	-0.6	20.2	18	7.1	16	-	-	29	-	8	16	15	6	0	0	0	0	3	0	0	0	0	7.29	
SWANAGE	9-9	11	17.0	10.6	13.8	-0.8	21.9	1	5.2	16	-	14.7	39	88	11	16	15	8	0	0	0	0	2	0	0	0	0	7.14	
MEYMOUTH	9-9	23	17.8	9.8	13.8	-	22.8	18	3.6	16	-	-	31	-	6	16	15	10	0	0	0	0	0	0	0	0	6.93	88	
WIMBORNE	9-9	26	18.1	9.2	13.7	-	23.5	3	1.7	16	-	-	37	77	9	16	15	12	0	0	0	0	0	0	0	0	3	-	
DEVON																													
CHARLEIGH	9-9	168	16.9	8.7	12.8	-	23.7	1	1.5	16	15.1	-	68	-	9	22	15	14	0	0	0	0	0	0	0	0	1	0	6.26
EXETER AIRPORT	21-9	32	18.3	9.7	14.0	-0.7	24.4	19	2.3	16	-	-	39	95	8	15	14	8	0	0	0	0	0	0	0	0	1	0	5.83
EXMOUTH	9-9	59	18.1	10.5	14.3	0.0	24.2	18	4.0	16	-	-	46	115	15	15	14	7	0	0	0	0	1	0	1	0	-	0	6.78
HARTLAND POINT	21-9	93	14.7	10.9	12.8	-0.8	23.1	3	6.2	16	-	-	57	107	18	21	12	10	0	0	0	0	0	2	0	0	0	6.86	
ILFRACOMBE	9-9	8	16.8	11.5	14.1	-	25.3	3	6.0	16	16.7	14.6	57	-	19	21	13	10	0	0	0	0							



[illegible]



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		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 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE					N	NE	E	SE	S	SW	W	NW				
									0	1 - 2	3 - 5	6 - 7	8	SKY OBSERVED											SPEED (KT)																
																									14 OR MORE	22-33	11-21	1-10	0												
																																						6-7	4-5	1-3	CALM
NUMBER OF OBSERVATIONS																																									
0 SCOTLAND N SHETLAND																																									
FAIR ISLE	61	9	1010.9	-	9.7	0.7	10.9	91	6.3	1	4	0	14	9	2	0	2	0	1	1	2	3	7	6	8	1	4	17	8	0	6	3	1	5	4	1	8	2			
		15	1011.2	-	10.3	1.0	11.0	87	5.6	1	6	2	10	9	2	0	0	1	0	1	2	4	5	8	0	5	16	9	0	4	2	1	7	3	9	5					
		21	1011.5	-	10.2	0.6	10.7	91	6.4	1	2	2	14	8	3	0	0	2	0	1	2	4	1	4	8	1	3	15	11	0	4	2	4	2	7	5					
LERWICK	83	3	1010.7	-	8.5	0.4	10.6	94	6.9	1	1	3	14	3	0	2	3	1	0	3	4	6	9	2	0	1	16	12	1	5	2	1	8	4	5	3					
		9	1010.6	- 2.4	10.1	1.1	10.9	87	6.6	1	1	4	10	11	3	0	2	1	0	1	9	4	9	4	0	4	12	14	0	5	1	3	5	5	5						
		15	1010.8	-	10.9	1.5	10.8	83	5.9	1	4	5	10	8	2	0	1	0	2	0	1	4	10	7	5	0	2	17	11	0	2	1	5	8	5	4					
ORKNEY	21	9	1011.1	-	9.1	0.8	10.5	90	6.4	1	1	4	15	7	2	0	2	1	0	5	6	13	2	0	0	15	15	0	4	4	0	2	4	6	6	4					
		15	1011.5	-	10.0	0.4	10.9	95	6.7	1	2	2	10	13	2	0	0	1	2	0	8	5	5	0	3	13	12	2	4	3	1	4	5	3	6	2					
		21	1011.7	- 1.7	9.9	1.1	11.4	87	6.4	1	2	4	9	14	0	0	0	1	1	0	4	9	10	5	0	3	22	6	0	5	2	1	4	3	4	5					
KIRKWALL	26	3	1011.5	-	9.0	0.4	10.9	95	6.7	1	2	2	10	13	2	0	0	1	2	0	8	5	5	0	3	13	12	2	4	3	1	4	5	3	6	2					
		9	1011.7	-	10.9	1.1	11.4	87	6.4	1	2	4	9	14	0	0	0	1	1	0	4	9	10	5	0	3	22	6	0	5	2	1	4	3	4	5					
		15	1011.9	-	12.3	1.6	11.7	81	5.8	1	4	3	15	7	0	0	0	0	1	0	1	7	9	12	0	5	20	5	0	5	0	5	3	0	10	5					
WESTERN ISLES	21	9	1012.1	-	9.8	0.7	10.9	90	6.1	0	3	4	16	6	1	0	1	0	1	0	2	5	11	10	0	3	11	14	2	4	1	4	3	2	2	7	5				
		3	1012.3	-	9.8	0.6	11.3	92	5.9	0	5	3	10	11	0	0	0	0	0	0	1	6	5	12	6	0	2	11	17	0	6	3	2	5	3	1	8	2			
		9	1012.7	- 0.8	11.8	1.4	11.5	83	6.2	0	3	6	11	10	0	0	0	0	0	0	6	4	10	10	0	3	19	8	0	4	4	0	5	6	3	6	5				
BENBECULA	15	15	1012.9	-	13.6	2.2	11.8	76	6.2	1	2	4	17	6	0	0	0	0	0	1	2	2	14	11	0	4	17	9	0	5	4	0	3	3	8	4	3				
		21	1012.7	-	10.8	0.9	11.6	89	6.3	0	4	2	15	9	0	0	0	0	0	3	3	5	12	7	0	2	16	12	0	4	3	5	2	3	5	5					
		3	1012.1	-	9.5	0.5	11.2	93	6.0	1	5	2	7	15	0	0	0	0	0	0	1	8	8	8	5	0	1	9	17	3	4	3	1	1	3	2	9	4			
STORNOWAY	5	9	1012.4	- 1.0	11.5	1.4	11.3	83	5.8	1	3	8	9	0	0	0	0	0	0	1	5	4	9	11	0	1	16	13	0	4	6	0	2	5	3	8	2				
		15	1012.5	-	12.5	1.9	11.4	78	6.0	0	2	9	10	9	0	0	0	0	0	0	3	9	9	9	0	1	19	10	0	3	7	0	1	7	3	6	3				
		21	1012.6	-	10.7	1.1	11.3	87	6.6	1	1	2	18	8	0	0	0	0	0	0	1	9	13	7	0	0	15	14	1	3	5	3	4	7	3						
HIGHLAND	113	3	1011.3	-	10.2	1.1	10.8	87	6.7	0	0	8	6	12	4	0	4	0	0	1	3	7	10	4	0	8	10	12	0	4	0	6	3	4	6	3	4				
		9	1011.7	-	10.6	1.1	11.0	86	6.4	2	1	3	7	15	2	0	1	1	0	1	3	9	10	5	1	5	12	12	0	3	3	4	1	6	7	3					
		15	1011.9	-	11.0	1.3	11.0	84	6.7	0	1	4	11	12	2	0	1	1	0	1	1	5	13	7	0	8	11	10	0	4	3	4	0	6	8	2					
DALCROSS	12	9	1012.5	-	12.4	1.9	11.4	78	6.1	1	2	4	17	6	0	0	0	0	0	0	2	8	12	8	0	1	11	17	1	2	7	0	1	0	7	11	1				
		15	1012.1	-	14.8	3.1	11.6	68	6.3	0	1	6	20	3	0	0	0	0	0	0	1	5	7	17	0	1	17	12	0	1	9	1	1	0	5	10	3				
		3	1011.8	-	9.1	0.7	10.6	91	6.4	0	3	4	12	10	1	0	0	1	0	1	3	7	1	10	7	0	1	7	22	0	2	3	0	5	3	4	7	6			
WICK	37	9	1012.0	- 1.6	11.1	1.4	10.9	82	6.5	0	2	4	17	6	1	0	0	1	0	1	7	4	10	7	0	2	14	14	0	5	1	2	4	5	0	6	7				
		15	1012.3	-	12.3	2.1	10.9	76	5.8	0	5	3	17	4	1	0	0	1	0	0	2	8	9	10	0	4	14	12	0	1	3	1	7	2	1	5	10				
		21	1012.4	-	10.1	1.2	10.5	84	6.0	0	5	2	17	5	1	0	1	0	0	0	4	4	13	8	0	0	6	24	0	4	1	4	4	1	4	4	8				
1 SCOTLAND E GRAMPIAN																																									
DYCE	59	3	1011.9	-	9.3	0.8	10.5	89	6.8	0	4	1	9	13	3	0	1	2	1	1	2	6	4	5	8	0	1	6	17	6	3	1	0	1	4	4	3	8			
		9	1012.0	- 2.2	12.6	2.1	11.3	76	6.7	0	2	2	17	9	0	0	0	0	0	0	1	6	2	8	13	0	0	13	15	2	3	0	4	4	2	3	9				
		15	1011.8	-	14.9	3.2	11.3	66	5.8	1	5	2	15	7	0	0	0	0	0	0	2	3	8	17	0	1	14	15	0	5	0	5	10	2	1	1	6				
FRASERBURGH	22	3	1011.7	-	10.0	0.5	11.6	94	6.9	0	1	4	8	14	3	0	0	0	0	3	0	1	10	16	0	0	4	8	18	0	2	2	0	3	5	4	8	6			
		9	1011.5	- 2.6	11.5	1.1	11.9	87	6.6	0	1	5	13	10	1	0	0	1	0	0	1	8	20	0	1	4	18	0	2	2	2	2	4	1	9	8					
		15	1012.0	-	12.8	1.4	12.5	85	6.2	0	1	8	12	9	0	0	0	0	0	0	2	5	23	0	1	5	11	13	0	4	0	3	7	3	0	5	8				
KINLOSS	6	3	1012.2	-	9.8	1.1	10.6	86	6.0	0	3	3	20	4	0	0	0	0	0	0	1	6	6	10	7	0	0	7	20	3	1	0	1	2	4	12	4	3			
		9	1012.5	- 1.4	12.8	2.1	11.4	76	6.2	1	3	2	15	9	0	0	0	0	0	0	2	6	9	13	0	1	15	14	0	7	3	0	1	1	7	7	4				
		15	1012.1	-	15.1	3.3	11.4	67	5.7	0	2	8	14	6	0	0	0	0	0	0	0	5	7	18	0	1	20	9	0	7	2	4	1	1	4	7	4				
LOSSIEMOUTH	6	3	1012.7	-	11.8	1.7	11.2	80	6.1	0	2	5	18	5	0	0	0	0	0	1	3	3	12	11	0	0	12	18	0	1	3	6	2	0	10	3	5				
		9	1012.2	-	9.9	1.2	10.3	84	5.9	0	4	5	16	5	0	0	0	0	0	0	1	3	7	6	13	0	0	9	20	1	2	0	3	4	1	10	5	4			
		15	1012.2	-	13.0	2.3	11.2	75	6.0	1	4	1	19	5	0	0	0	0	0	0	2	6	9	13	0	2	11	17	0	5	2	0	3	1	3	14	2				
TRYSIDE	21	9	1012.0	-	14.7	3.4	10.8	66	5.7	0	2	8	18	2	0	0	0	0	0	0	2	4	9	15	0	2	16	12	0	3	2	6	1	2	2	10	4				
		15	1012.4	-	11.8	1.7	11.1	79	6.1	0	4	3	18	5	0	0	0	0	0	0	3	6	7	14	0	1	13	16	0	2	1	6	4	1	4	8	4				
		3	1012.8	-	12.2	1.6	11.6	81	5.7	0	5	5	13	7	0	0	0	0	0	1	0	4	4	4	17	0	1	10	16	3	4	4	2	2	4	5	2				
USAH	35	9	1012.4	-	13.8	2.2	11.9	76	5.1	1	6	7	11	5	0	0	0	0	0	0	2	5	3	20	0	2	13	12	3	3	4	5	2	1	5	3	5	1			
		15	1012.4	-	13.8	2.2	11.9	76	5.1	1	6	7	11	5	0	0	0	0	0	0	2	5	3	20	0	2	13	12	3	3	4	5	2	1	5	3	5	1			
		21	1012.8	-	11.4	1.3	11.5																																		



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

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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 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE								N	NE	E	SE	S	SW	W	NW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
									0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED											18 OR MORE	6-7	4-5	1-3	CALM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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6 SCOTLAND W -CONTO. STRATHCLYDE -CONTO.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
SLOY	-	9	-	-	13.3	2.6	10.8	71	5.5	3	3	4	10	10	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0	0	0	0	0	0	0	0	0	0



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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		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)	WET BULB (DEGREES C)	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS						0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE						N	NE	E	SE	S	SW	W	NW	
										0	1 - 2	3 - 5	6 - 7	8	SKY OBSERVED											SPEED (KT)														
																										8 OR MORE	22-33	6-7	4-5	1-3	CALM									
																																								0
3 EAST ANGLIA -CONTD. ESSEX																																								
SHOEBURYNNESS	5	9	1014.4	-2.8	15.0	2.3	13.0	76	5.9	1	3	2	21	3	0	0	0	0	0	0	1	4	10	10	5	0	0	8	22	0	3	2	4	0	4	7	4	6	3	
		15	1013.9	-	17.7	3.6	13.5	66	5.7	1	3	6	18	2	0	0	0	0	0	0	0	1	3	6	13	8	0	0	11	18	0	2	1	3	0	4	6	5	1	
		21	1014.4	-	14.0	1.7	13.1	82	5.2	3	3	8	10	6	0	0	0	0	0	0	0	2	7	16	4	0	0	5	23	2	2	3	1	0	4	9	5	1		
STANSTED	102	3	1013.9	-	10.4	0.8	11.4	90	5.4	1	5	7	10	7	0	0	1	0	0	0	7	10	4	7	1	0	0	1	28	1	4	2	3	0	3	7	7	3	1	
		9	1014.3	-2.7	14.3	2.4	12.2	74	5.7	2	3	4	15	5	0	0	0	0	0	0	6	8	11	5	0	0	9	20	1	4	2	2	3	5	11	1	7			
		15	1013.7	-	16.5	3.8	11.7	63	6.2	1	3	3	18	5	0	0	0	0	0	0	0	2	7	15	6	0	0	12	18	0	3	2	3	1	1	5	8	1		
		21	1014.3	-	13.0	1.7	12.2	81	5.6	0	7	4	15	4	0	0	0	0	0	0	1	7	6	14	2	0	0	1	29	0	4	3	3	1	3	9	5	2		
4 MIDLAND COUNTIES WEST YORKSHIRE																																								
HUDDERSFIELD	235	3	1013.7	-	9.3	1.5	9.5	80	7.0	0	2	3	3	22	0	0	0	0	0	1	11	9	8	0	0	0	1	13	15	1	2	2	3	1	3	7	7	4		
		9	1014.0	-	13.1	2.2	11.4	75	6.1	1	2	4	13	10	0	0	0	0	0	0	4	12	3	11	0	0	1	12	16	1	2	1	4	2	1	6	9	2		
		15	1013.7	-	15.6	3.2	12.0	69	6.5	1	1	3	14	11	0	0	0	0	0	0	1	4	8	17	0	0	0	16	13	1	3	0	2	3	7	9	2			
OAKES		21	1013.9	-	11.4	1.4	11.3	83	6.2	2	2	4	6	16	0	0	0	0	1	0	1	5	4	19	0	0	1	10	18	1	2	0	0	4	2	9	7	5		
WILSDEN	267	3	1014.0	-	8.9	0.8	10.3	89	4.9	2	6	8	4	10	0	0	0	0	1	0	0	6	18	5	0	0	0	8	20	2	0	3	2	2	3	3	14	1		
		9	1013.9	-	12.1	2.0	10.9	77	5.3	4	3	4	10	9	0	0	0	0	0	0	10	9	11	0	0	0	11	19	0	4	1	5	0	2	4	10	0			
		15	1013.6	-	14.0	3.1	10.8	68	5.9	1	1	8	12	8	0	0	0	0	0	0	5	12	13	0	0	0	17	13	0	1	4	2	2	1	5	15	0			
		21	1014.3	-	10.7	1.3	10.8	83	5.4	1	6	5	7	11	0	0	0	0	0	0	1	5	16	8	0	0	0	6	22	2	0	3	3	0	2	2	1	0	1	
SOUTH YORKSHIRE																																								
FINNINGLEY	15	3	1013.5	-	10.1	0.8	11.1	89	5.4	3	4	4	10	9	0	0	0	0	1	1	10	8	8	1	0	0	3	25	2	4	0	1	1	6	1	12	3			
		9	1013.8	-2.4	14.5	2.6	12.0	72	5.4	3	5	2	14	6	0	0	0	0	0	0	8	5	13	4	0	0	9	20	1	5	2	2	0	3	4	9	4			
		15	1013.3	-	16.9	4.0	12.0	63	5.9	0	3	8	11	8	0	0	0	0	0	0	2	11	9	8	0	0	19	11	0	4	1	3	2	1	6	12	1			
		21	1013.8	-	13.0	1.9	11.9	79	5.4	1	5	6	9	9	0	0	0	0	0	0	1	5	11	9	4	0	0	4	26	0	5	1	3	2	2	6	10	1		
NOTTINGHAMSHIRE																																								
MARTNALL	119	3	1014.2	-	9.9	0.6	11.2	92	5.4	4	3	3	10	10	0	0	0	0	0	4	12	8	6	0	0	0	4	24	2	4	4	0	1	2	9	5	3			
		9	1014.3	-2.0	13.8	2.1	12.3	77	5.4	2	6	2	13	7	0	0	0	0	0	0	1	9	12	6	2	0	0	7	23	0	5	3	1	1	6	11	3	2		
		15	1014.0	-	16.2	3.3	12.5	68	6.0	0	3	5	15	7	0	0	0	0	0	0	1	3	7	16	3	0	0	7	23	0	3	4	2	2	1	6	13	3		
		21	1014.5	-	12.3	1.4	12.0	83	5.6	2	4	4	11	9	0	0	0	0	0	0	2	8	11	9	0	0	0	2	28	0	2	3	2	2	1	7	9	4		
SALOP																																								
SHAMSBURY	76	3	1014.1	-	9.9	0.7	11.2	91	5.6	0	9	1	9	11	0	0	0	0	2	0	1	5	9	13	0	0	0	5	23	2	1	3	3	1	3	3	10	4		
		9	1014.4	-2.1	13.5	1.8	12.4	80	5.7	1	5	3	11	10	0	0	0	0	0	1	3	5	10	8	0	0	9	21	0	3	3	0	4	4	2	9	5			
		15	1013.9	-	15.8	2.8	12.8	71	6.5	0	2	1	19	8	0	0	0	0	0	0	2	7	15	6	0	0	17	13	0	5	3	1	1	3	2	10	5			
		21	1014.3	-	12.4	1.5	12.0	82	6.0	1	3	5	14	7	0	0	0	0	0	0	2	4	7	12	5	0	0	7	23	0	6	2	3	1	1	7	6	4		
WEST MIDLANDS																																								
EDGBASTON	165	9	1014.4	-2.4	13.1	2.6	10.8	71	6.1	2	4	0	14	10	0	0	0	0	0	0	9	13	6	2	0	0	5	23	2	2	2	5	0	2	3	5	9			
		15	1013.7	-	16.3	4.3	10.7	58	6.8	0	1	4	16	9	0	0	0	0	0	0	4	9	11	6	0	0	7	23	0	4	3	2	0	2	4	10	5			
		21	1014.4	-	13.3	2.7	10.8	69	5.6	1	4	7	9	9	0	0	0	0	0	0	8	11	9	2	0	0	5	23	2	4	3	2	0	3	4	6	6			
ELMDON	100	3	1014.2	-	9.9	0.9	10.9	89	5.4	3	3	18	3	0	0	0	0	1	0	1	8	9	10	1	0	0	5	22	3	1	2	3	0	7	4	3	7			
		9	1014.4	-2.3	13.8	2.5	11.6	73	5.9	3	3	0	16	8	0	0	0	0	0	8	16	4	2	0	0	11	19	0	3	4	3	0	3	4	3	7				
		15	1013.8	-	16.6	4.1	11.5	60	6.4	0	1	6	16	7	0	0	0	0	0	0	0	12	15	3	0	0	14	15	1	1	6	0	1	4	5	7				
		21	1014.5	-	12.7	2.0	11.3	77	5.1	1	6	5	13	5	0	0	0	0	0	0	0	21	7	1	0	0	6	24	0	1	4	1	4	1	3	5	7			
GLOUCESTER																																								
INNSMORTH	24	3	1014.5	-	10.6	1.0	11.3	88	5.2	3	4	3	16	4	0	0	0	0	0	2	1	6	9	9	3	0	0	0	27	3	5	0	0	1	10	6	3	2		
		9	1014.9	-	14.2	2.4	12.1	74	5.8	1	4	4	13	8	0	0	0	0	0	2	7	5	6	10	0	0	5	24	1	3	5	1	2	0	3	7	5			
		15	1014.1	-	17.5	4.5	11.6	58	6.1	0	2	6	18	4	0	0	0	0	0	0	2	9	8	11	0	0	13	17	0	5	2	2	2	2	5	6	3			
		21	1014.8	-	13.8	2.2	12.0	75	5.4	0	6	6	13	5	0	0	0	0	0	0	1	3	12	10	4	0	0	2	28	0	4	4	3	0	9	4	4	2		
OXFORDSHIRE																																								
BENSON	74	3	1014.6	-	10.4	0.9	11.3	89	4.9	3	4	8	10	5	0	0	0	0	1	0	2	7	13	5	2	0	0	2	21	7	1	4	0	0	6	4	5	3		
		9	1014.9	-	14.5	2.5	12.1	73	5.9	1	4	2	16	7	0	0	0	0	0	0	6	11	8	5	0	0	0	8	21	1	8	1	0	2	3	7	5			
		15	1014.3	-	17.6	4.1	12.5	62	6.4	0	0	8	15	7	0	0	0	0	0	0	3	14	8	0	0	0	13	17	0	1	6	2	0	4	3	11	3			
		21	1014.9	-	13.6	1.9	12.4	79	5.5	0	5	7	14	4	0	0	0	0	0	1	1	11	13	4	0	0	2	27	1	5	4	3	1	5	7	4	0			
BRIZE NORTON																																								
92	3	1014.2	-	10.1	1.0	11.0	89	5.6	2	4	3	15	6	0	0	0	0	1	2	1	9	6	7	4	0	0	1	26	3	4	6	0	0	2	3	9	3			
		9	1014.5	-	14.4	2.9	11.5	69	5.8	2	4	3	12	9	0	0	0	0	0	5	10	8	7	0	0	0	11	19	0	3	3	5	2	0	4	9	4			
		15	1013.8	-	17.5	4.8	11.0	55	5.8	0	2	8	17	3	0	0	0	0	0	0	2	5	14	9	0	0	1	13	16	0	2	6	2	1	8	6	4			
		21	1014.5	-	13.4	2.1	11.8	76	5.5	2	2	8	11	7	0	0	0	0	0	0	6	7	14																	



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JUNE 1978

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)	WET BULB (DEGREES C)	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS						0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
										0	1 - 2	3 - 5	6 - 7	8	SKY OBSCURED											0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067







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	4	23	3	0	0	0	0	0	0	0	0	27	3	0	CAMBRIDGE BOTANIC GARDENS	0	0	0	3	17	6	4	0	0	0	0	0	0	2	15	13	0
LERWICK (SCREEN)	0	0	3	23	4	0	0	0	0	0	0	0	0	1	26	3	0	EDGBASTON	0	0	0	13	10	6	1	0	0	0	0	0	0	18	12	0
STORMWAY	0	0	1	20	8	1	0	0	0	0	0	0	0	3	20	7	0	KEM (PSYCHROMETER)	0	0	0	4	16	8	2	0	0	0	0	0	3	12	15	0
CRAIBSTONE	0	0	0	17	10	3	0	0	0	0	0	0	0	3	21	6	0	KEM (NORTH-WALL SCREEN)	0	0	0	3	15	8	4	0	0	0	0	0	0	12	18	0
ROTHESAY	0	0	0	14	12	3	1	0	0	0	0	0	0	0	22	8	0	HASTINGS	0	0	0	5	22	3	0	0	0	0	0	0	0	12	16	2
ABBOTSLINCH	0	0	0	5	19	4	2	0	0	0	0	0	0	3	18	9	0	SOUTHAMPTON	0	0	0	1	20	9	0	0	0	0	0	0	0	12	18	0
ESKDALEHUIR (PSYCHROMETER)	0	0	0	17	9	3	1	0	0	0	0	0	2	7	17	4	0	STONTHURST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ESKDALEHUIR (SCREEN)	0	0	0	13	13	3	1	0	0	0	0	0	1	8	17	4	0	VALLEY	0	0	0	14	14	1	1	0	0	0	0	0	15	14	1	
DOUGLAS	0	0	0	18	7	5	0	0	0	0	0	0	0	0	22	8	0	RHOOSE	0	0	0	6	18	6	0	0	0	0	0	0	17	13	0	
BOULMER	0	0	0	14	15	1	0	0	0	0	0	0	0	1	23	6	C	FALMOUTH	0	0	0	7	20	3	0	0	0	0	0	0	11	19	0	
HULL	0	0	0	4	16	8	2	0	0	0	0	0	0	0	18	12	0	ALDEROROVE	0	0	0	11	14	5	0	0	0	0	0	1	21	8	0	
ORLESTON	0	0	0	8	17	5	0	0	0	0	0	0	0	0	11	19	0	ARMAGH	0	0	0	12	12	6	0	0	0	0	0	1	21	8	0	

JUNE 1978

[illegible]



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	HOURLY WIND				GUST			
														MEAN HOURLY WIND SPEED (KT)				SPEED-KT			
			ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS	MEAN HOURLY WIND SPEED (KT)	VEER FROM N	SPEED-KT		DAY	HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY	TIME		
3 EAST ANGLIA - CONTINUED																					
CAMBRIDGESHIRE	MARHAM	29	10	10		0	1	1	214	385	120	0	8.3	030	22	17	17	020	31	17	1554
	WITTERING	87	10	10		0	0	0	236	413	71	0	8.8	030	20	17	14	220	35	21	1436
SUFFOLK	WYTON	45	10	10		0	1	4	184	441	91	0	8.2	030	23	17	16	020	35	17	1824
	HONINGTON	60	13	13		0	0	0	243	382	95	0	8.7	030	20	17	15	030	35	17	1524
BEDFORDSHIRE	WATTISHAM	105	17	10		0	1	5	302	367	46	0	9.8	030	23	17	16	040	36	17	1418
	BEDFORD	94	13	9		0	1	8	173	471	68	0	8.2	030	23	17	14	030	34	17	1706
HERTFORDSHIRE	CARDINGTON	70	41	41		0	2	11	318	321	70	0	9.8	030	28	17	16	200	42	22	1724
	GARSTON	94	15	10		0	0	0	24	526	170	0	5.4	020	14	17	16	210	33	4	1224
ESSEX	SHOEBURYNESSE	17	14	12		0	1	4	199	427	82	8	8.3	040	23	17	12	040	37	17	1248
	STANSTED	108	10	10		0	1	2	175	481	62	0	8.2	050	22	17	14	050	36	17	1518
4 MIDLAND COUNTIES																					
WEST YORKSHIRE	WILSDEN	272	10	10		0	3	5	259	376	80	0	9.1	060	25	16	11	280	39	9	1636
SOUTH YORKSHIRE	FINNINGLEY	19	10	10		0	0	0	181	415	124	0	7.7	270	19	11	15	210	32	4	1630
	HIGH BRADFELD	405	10	10	DEFECTIVE RECORD																
NOTTINGHAMSHIRE	SHEFFIELD UNIVERSITY	146	29	15		0	1	1	157	429	131	2	7.3	230	22	1	18	240	41	1	1854
	WATNALL	133	16	10		0	0	0	121	496	103	0	7.3	030	19	17	10	140	33	1	1618
STAFFORDSHIRE	CELLARHEAD	241	13	8		0	0	0	216	420	78	6	8.3	070	19	17	11	060	31	17	0930
	KEELE	215	15	10		0	0	0	47	406	267	0	5.1	310	15	10	16	040	36	17	1200
SALOP	SHAWBURY	84	12	10		0	0	0	201	391	126	2	8.1	320	20	10	17	200	37	4	1318
WEST MIDLANDS	BIRMINGHAM																				
	EDGBASTON	196	36	22		0	0	0	108	432	180	0	6.4	040	18	17	10	030	31	17	1018
OXFORDSHIRE	ELMDON AIRPORT	104	10	10		0	0	0	225	383	112	0	8.3	040	20	17	11	040	35	17	1106
	BENSON	67	10	10		0	1	4	127	439	150	0	7.1	030	22	17	14	030	33	17	1612
	BRIZE NORTON	91	13	10		0	1	7	167	435	111	0	7.8	040	25	17	12	030	37	17	1654
	OXFORD	113	50	22		0	1	7	232	383	98	0	8.5	030	24	17	14	030	41	17	1624
5 ENGLAND SE & CENTRAL S																					
GREATER LONDON	HEATHROW AIRPORT	34	10	10		0	1	3	144	489	84	0	7.8	040	23	17	15	040	35	17	1548
	KEN	28	23	15		0	0	0	76	469	175	0	6.4	040	19	17	15	040	38	17	1554
WILTSHIRE	LONDON WEATHER CENTRE	93	70	38		0	1	4	291	372	53	0	9.6	040	24	17	16	040	41	17	1706
	POST OFFICE TOWER	174				0	4	22	487	197	14	0	13.1	050	29	17	16	070	39	17	1542
	BOSCOMBE DOWN	130	17	17		0	1	2	196	435	87	0	8.4	210	23	21	13	020	33	17	1512
	LARKHILL	145	13	10		0	1	3	128	510	79	0	7.7	040	23	17	14	040	37	17	1436
KENT	LYNEHAM	160	14	13		0	1	7	174	463	76	0	8.2	030	26	17	14	030	39	17	1436
	PORTON	120	10	10		0	0	0	136	453	131	0	7.2	030	21	17	17	040	33	17	1612
	DOVER	27	21	18	22	3	11	115	313	247	40	2	13.3	220	34	22	14	360	44	17	1448
	DUNGENESS	16	10	10		0	7	42	383	273	22	0	12.0	250	26	23	13	210	41	22	0706
HAMPSHIRE	EAST MALLING	32	12	0		0	0	0	19	336	365	0	4.1	040	17	17	16	050	40	17	1612
	ISLE OF GRAIN	15	12	10		0	1	3	274	350	68	25	9.2	060	24	17	15	060	37	17	1554
	MANSTON	62	18	18		0	3	17	324	335	44	0	10.3	200	25	22	11	220	40	23	1306
	CALSHOT	15	13	10		0	0	0	252	413	48	7	9.4	230	21	22	14	230	33	23	1406
WEST SUSSEX	FARNBOROUGH	75	10	10		0	0	0	80	490	145	5	6.5	050	17	17	15	040	30	17	1412
	MIDDLE WALLOP	94	10	10		0	0	0	148	434	138	0	7.4	040	19	17	17	070	33	17	1248
	GATWICK AIRPORT	69	10	10		0	1	1	167	406	146	0	7.7	050	22	17	16	050	36	17	1712
7A ENGLAND NW & I O M																					
CUMBRIA	CARLISLE	41	13	9		0	1	1	129	443	147	0	6.9	080	22	16	13	070	40	16	1054
	GREAT DUN FELL	857	10	10	7-9 11 16 17	57	22	195	392	74	2	0	19.7	060	50	16	12	060	61	16	1054
LANCASHIRE	MOOR HOUSE	595	13	12	DEFECTIVE RECORD																
	SELLAFIELD	25	12	11		0	0	0	174	414	129	3	7.6	120	16	4	11	050	27	16	1436
MERSEYSIDE	FLEETWOOD	34	15	9		0	8	67	267	291	95	0	11.1	310	27	11	20	040	44	16	1806
	SQUIRES GATE AIRPORT	22	12	11		0	2	5	396	285	34	0	11.0	070	23	16	12	060	36	16	1312
GREATER MANCHESTER	ROSBURTH	38	23	11		0	0	0	282	364	64	10	9.3	270	20	10	13	270	33	10	1318
ISLE OF MAN	MANCHESTER																				
	RINGWAY AIRPORT	80	10	10		0	1	2	245	397	76	0	8.9	060	23	17	11	050	37	17	1100
	WEATHER CENTRE	82	45	17		0	0	0	91	474	155	0	6.4	060	17	16	10	070	41	16	1024
	POINT OF AYRE	20	10	10		0	10	52	414	203	49	2	12.8	310	26	23	20	040	36	17	0254
	RONALDSWAY	25	10	10		0	2	16	313	323	68	0	10.1	330	26	10	14	330	38	10	1524
7B WALES N																					
GWYNEDD	VALLEY	26	16	12		0	3	4	419	260	37	0	11.4	030	23	16	12	040	41	16	1230
8A WALES SOUTH																					
DYFED	ABERPORTH	144	10	10		0	2	4	361	316	39	0	10.8	180	23	5	13	190	35	5	1336
	BRANDY	121	10	10		0	1	3	300	390	27	0	9.9	190	22	5	10	190	33	5	1054
WEST GLAMORGAN	MILFORD HAVEN	47	10	10		0	0	0	251	410	47	12	8.8	200	20	5	13	200	37	5	1306
	PORT TALBOT	30	11	7		0	1	2	335	346	37	0	10.3	050	22	17	12	050	32	17	1236
MID GLAMORGAN	CILFYNYDD	210	16	16		0	0	0	147	417	150	6	7.3	270	20	21	15	270	40	21	1518
SOUTH GLAMORGAN	RHOOSE AIRPORT	74	10	10		0	0	0	233	409	78	0	8.6	260	20	24	13	040	32	17	1048
8B ENGLAND SW																					
AVON	AVONMOUTH	28	19	10		0	3	4	348	300	68	0	10.1	030	23	17	13	040	37	17	1342
SOMERSET	YEovilTON	22	12	10		0	1	2	177	418	123	0	7.9	060	22	17	13	060	33	17	1318
DORSET	HURN AIRPORT	23	13	11		0	0	0	187	383	150	0	7.5	240	20	23	14	030	32	17	1136
	PORTLAND BILL CG	60	13	13		0	4	19	350	270	57	24	10.8	260	26	22	16	290	41	24	1330
DEVON	BURRINGTON	211	10	10		0	1	2	315	338	65										



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



# MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

MET.0.921

UDC 551.506.1 (41-4)

**JULY**

VOLUME 95

**1978**

NUMBER 7

## Mostly cool and changeable .

A depression to the south of Iceland moved to the northern North Sea between the 1st and the 3rd, its associated fronts crossing the British Isles. A north to north-westerly airstream then covered Britain, and fronts from the Atlantic crossed all areas after the 6th. A ridge from an anticyclone over the Norwegian Sea extended southwards over eastern districts on the 10th, and as the anticyclone gradually moved south-westwards to the Atlantic the whole of the British Isles came within its influence. The high pressure declined by the 18th and frontal systems associated with Atlantic depressions crossed all areas between the 22nd and the 28th. A weak ridge extended across Britain on the 29th, but fronts returned from the east on the 30th and a thundery depression moved from the continent to the English Channel area on the 31st.

### Weather

The early part of the month was mostly cool and unsettled, but temperatures rose during the second week and most areas had a spell of mainly dry and sunny weather until around mid-month. Cooler, changeable conditions returned, however, and outbreaks of rain became increasingly frequent after the 21st. There were thunderstorms at times during the last week and occasional gales in the north and west, but a brief warm spell also occurred. Fog patches affected northern and western coasts at times throughout the month and overnight fog occasionally developed in inland areas. Climbers on Ben Avon, in the eastern Grampians, reported a fall of snow at 900 m on the 6th and large patches of snow were still visible on the upper slopes of the Cairngorm mountains at the end of the month.

### Wind

Winds were fresh or strong on exposed northern and western coasts until the 9th, reaching gale force locally. Speeds then became light generally until around mid-month, although there were onshore breezes at times. Winds were occasionally fresh or strong on northern coasts during the third week, but such occurrences became more frequent after the 21st and there were gales at times in the north and west. South to south-west winds at the beginning of the month became northerly, then north-westerly, between the 3rd and the 9th. Directions were often variable between the 10th and the 17th, but were mainly west to north-west from the 18th to the 21st. South to south-west winds then predominated until the last few days, when directions became rather variable.

### Temperature

Monthly mean temperatures were below normal in all areas. Values were between 1.0 and 1.5 °C below average over most of England and Wales, although departures from the normal were greater than 1.5 °C in a few places, mostly in eastern England, and less than 1.0 °C in parts of southern and north-western England. In Northern Ireland and in Scotland, except in parts of the north and east, where values were between 1.0 and 1.5 °C below average, mean temperatures were generally between 0 and 1 °C below normal. Although the month was generally

cool, it became warm in many parts between the 9th and the 17th, and there was a short warm spell towards the end of the month. Most places recorded their highest temperature during one or other of these periods: in Scotland the temperature rose to 25.5 °C on the 11th at the western end of the Great Glen and on the 28th Gillingham (Kent) recorded a maximum of 27.6 °C.

### Rainfall

Rainfall was generally below average in Northern Ireland and also over most of Scotland, although totals were well above average in parts of north-east Scotland, where about 150 per cent of the normal fell in places. Parts of Shetland and southern Scotland also had above-average rainfall. Distribution was rather variable over England and Wales, but most areas, except north-western England, parts of East Anglia and south-eastern England, and a few places in Cornwall and North Wales, had more than their usual July rainfall. Over twice the average fell in parts of Dorset and the south-west Midlands, and also near York. Outbreaks of rain during the early part of the month were accompanied by thunder and hail in places, but it was mostly dry between the 10th and the 17th. The changeable weather then returned and periods of rain were frequent after the 21st. A number of places recorded daily rainfalls exceeding 50 mm and there were some heavy falls in shorter periods. About 70 mm were recorded at Spelga Dam (Co Down) between 13 GMT on the 25th and 02 GMT on the 26th, and 71.4 mm fell at Winfrith (Dorset) in 13 hours from 0325 GMT on the 31st. Thunderstorms occurred in many parts of England towards the end of the month and hailstones measuring 2 cm in diameter were reported at Coltishall (Norfolk) on the 30th.

### Sunshine

Sunshine totals were below normal almost everywhere in England and Wales. Monthly values were between 50 and 75 per cent of

average in parts of Lincolnshire, East Anglia and South Wales, and in all southern counties of England, except Cornwall. Southampton had its dullest July since 1944. Totals in remaining districts of England and Wales were between 75 and 100 per cent of average and were nearest to the normal in the north Midlands and north-west England. Sunshine was generally below average in Northern Ireland, except in the south-east. In Scotland totals were mostly between 70 and 100 per cent of average in the east and north, but in Shetland, Baltasound, with only 49 per cent of average (66.5 hours), had its dullest July since records began in 1906. Some western parts of Scotland had above-average sunshine, however, with about 115 per cent of the normal in places. Most of the month's sunshine was recorded between the 9th and the 17th and at times during the last week.

### Fog

Fog patches occurred fairly frequently along the coasts of northern Scotland, south-west England and the Channel Islands. Fog also formed along the Welsh coast from time to time and affected the coasts of north-eastern England and eastern Scotland during the last few days of the month. Hill fog occurred occasionally and this was extensive in western areas on the 27th. Patches of overnight fog developed in inland areas between the 10th and the 14th and also towards the end of the month. Except during the second week, much of the fog which occurred around northern coasts, and in England and Wales during the month, was associated with precipitation.

### Miscellaneous Phenomena

A funnel cloud was reported over the sea to the north of Manston (Kent) on the evening of the 20th, and on the 30th funnel clouds over the North Downs were observed from Gatwick Airport (West Sussex) in the early afternoon.

**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				
0 Scotland N	25.5	2.5	−1.2	−0.9	−1.1	−0.9	−1	68	76
1 Scotland E	23.0	2.1	−1.2	−0.6	−0.9	−0.5	−1	92	90
2 England E & NE	25.1	3.9	−1.7	−1.1	−1.4	−0.6	+3	119	81
3 East Anglia	25.7	5.0	−1.9	−0.8	−1.4	−1.3	+2	98	73
4 Midland Counties	26.0	4.8	−1.5	−0.8	−1.2	−1.2	+1	128	83
5 England SE & Central S	26.6	5.3	−1.7	−0.5	−1.1	−1.5	+1	133	69
6 Scotland W	25.5	2.1	−0.6	−1.0	−0.8	−0.7	−3	79	102
7 England NW & Wales N	23.9	5.5	−1.3	−0.9	−1.1	−1.2	−1	106	94
8 England SW & Wales S	27.0	5.7	−1.7	−0.6	−1.1	−0.9	+1	139	73
N Ireland	23.6	2.6	−0.8	−0.4	−0.6	−0.7	−1	80	93
Scotland	25.5	2.1	−1.0	−0.8	−0.9	−0.7	−2	80	89
England & Wales	27.0	3.9	−1.6	−0.8	−1.2	−1.1	+1	121	79

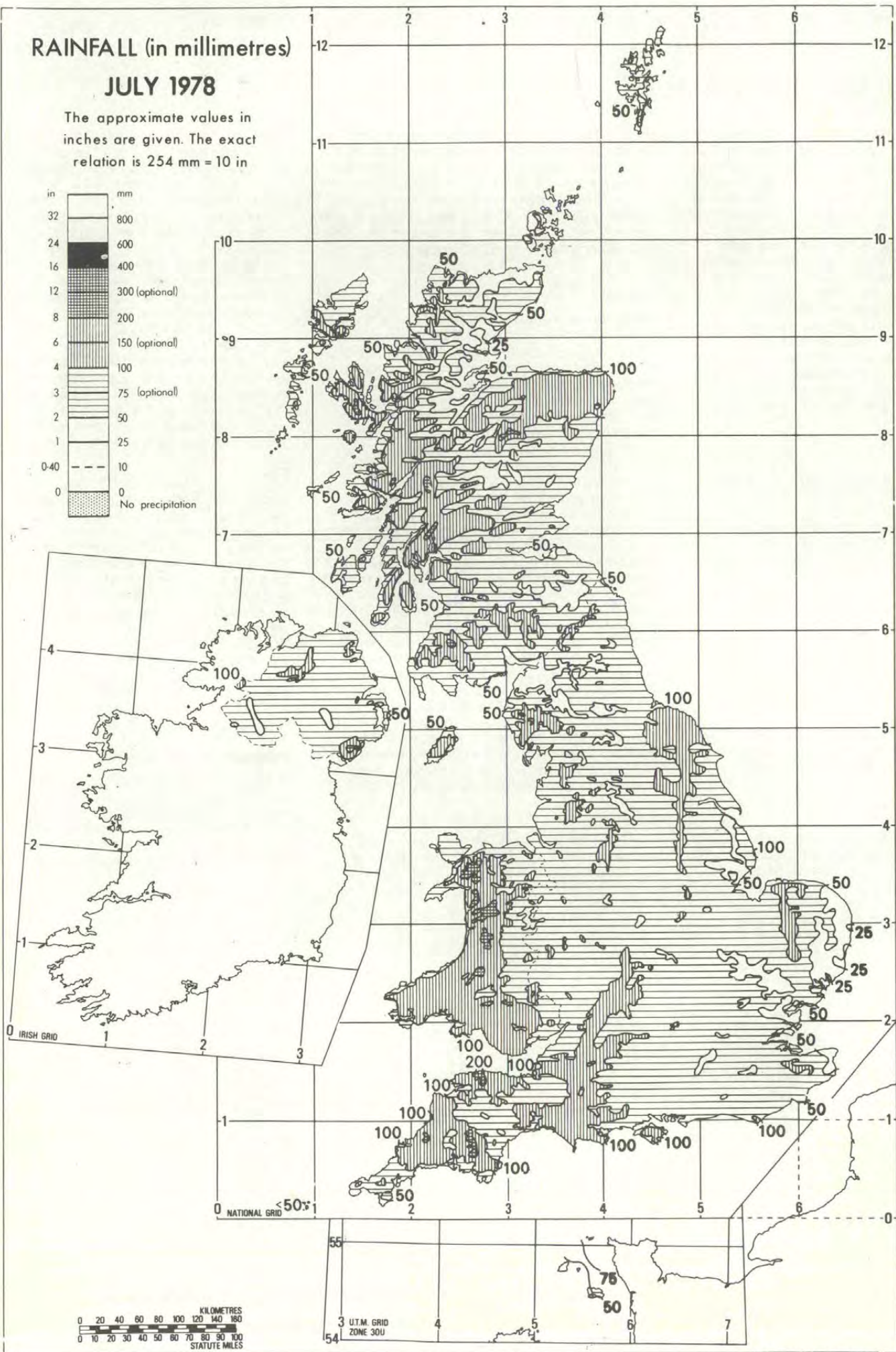
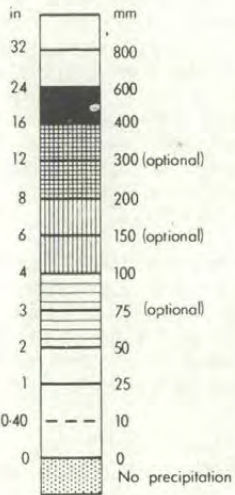
\*Highest maximum and lowest minimum of District Value Stations.



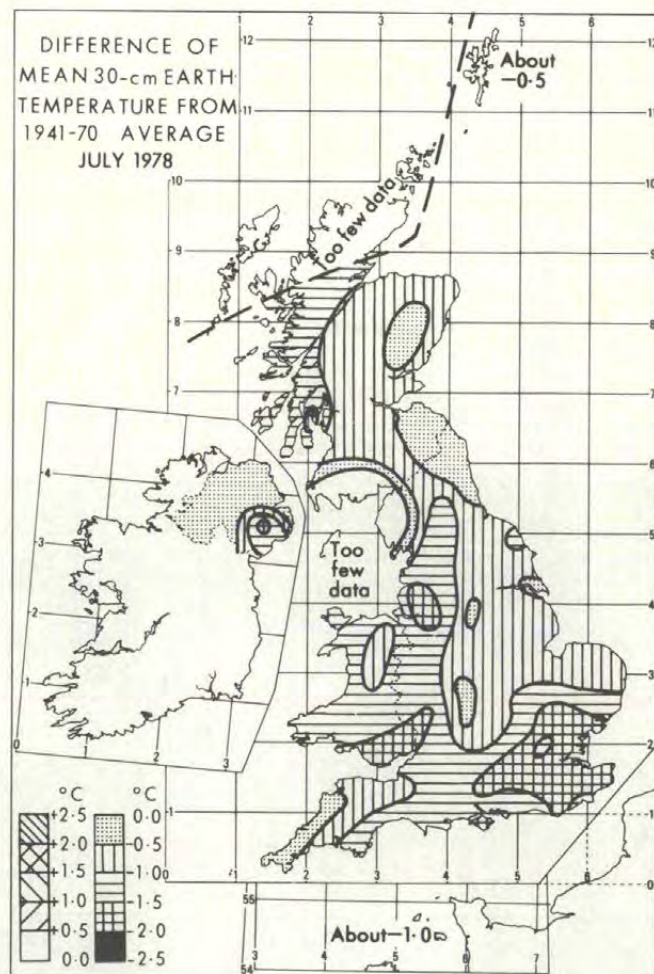
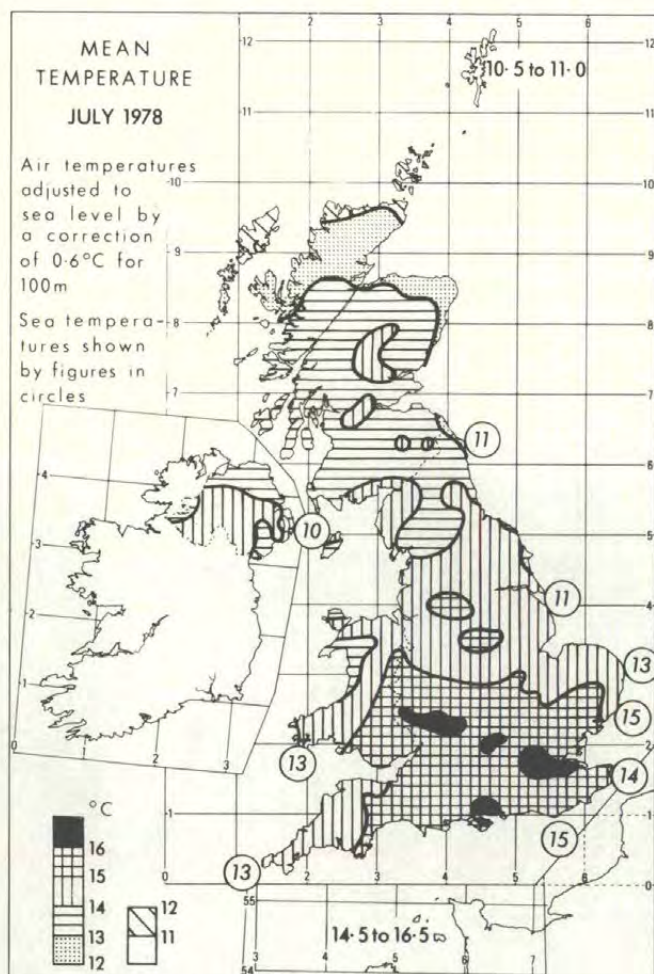
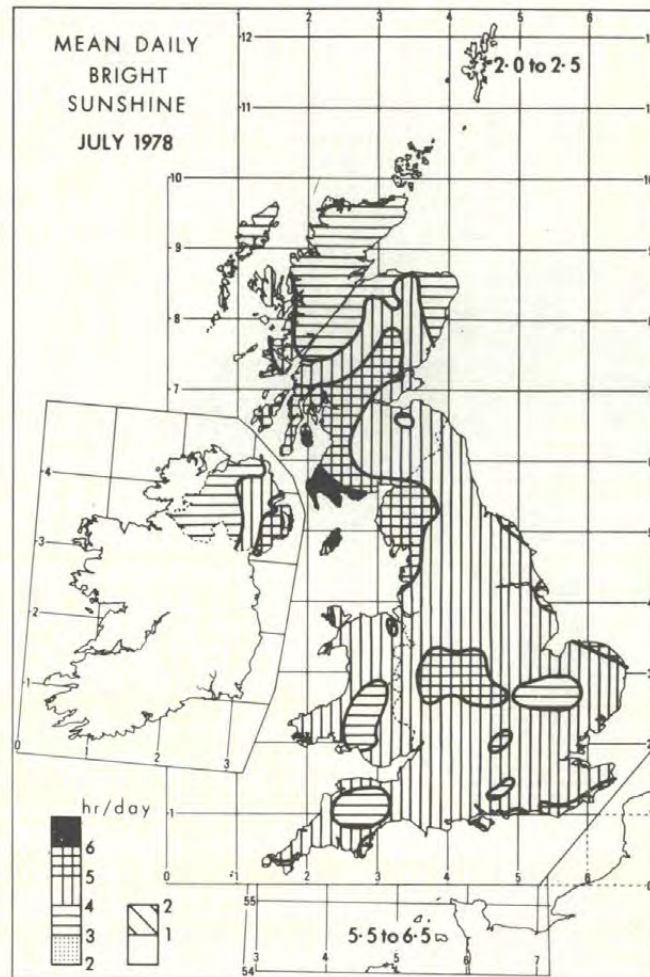
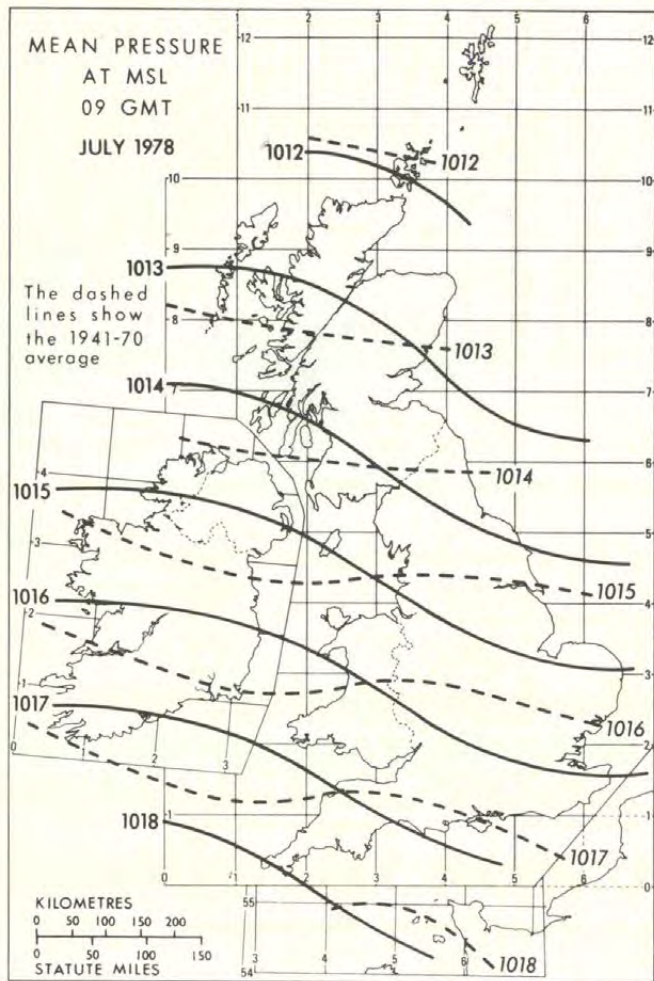
# RAINFALL (in millimetres)

## JULY 1978

The approximate values in inches are given. The exact relation is 25.4 mm = 1 in













1



[illegible]



TABLE 3. SUMMARY OF BRIEF OBSERVATIONS

[illegible]



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

JULY 1978

DISTRICT REGION/COUNTY AND PLACE			MAX. TERMINAL HEIGHT 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 24 H)	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	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	
					MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																						
4 MIDLAND COUNTIES																																		
WEST YORKSHIRE																																		
BRADFORD ...			9 9	134	17.7	10.4	14.1	-1.1	24.4	29	7.0	6	14.2	12.8	45	68	11	25	14	12	0	0	0	0	0	0	0	0	0	0	4.61	88	5	
BRAMHAM ...			9 9	54	18.3	9.5	13.9	-	24.1	29	5.1	11	-	-	89	157	17	30	16	14	0	0	0	0	0	0	0	0	0	0	-	-	-	
HUDDERSFIELD(OAKES) ...			21-9	232	18.0	9.7	13.9	-1.2	25.7	29	6.8	4	13.0	10.8	49	63	10	31	15	11	0	0	0	0	1	2	0	0	0	0	0	1	-	-
ILKLEY ...			9 9	83	18.4	10.1	14.3	-1.1	24.5	13	6.3	8	-	-	47	65	9	31	17	16	0	0	0	0	0	0	0	0	0	0	4.30	88	-	
PONTEFRAC ...			9 9	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TOOTHORPEN ...			9 9	160	17.0	9.9	13.5	-	23.0	29	6.0	10	-	-	81	-	19	25	17	15	0	0	0	0	0	0	0	0	0	0	0	0	0	
WILSON ...			9 9	262	16.6	9.3	12.9	-	23.5	29	6.0	4.6	-	-	55	-	12	31	18	15	0	0	0	0	0	0	0	0	0	0	-	-	-	
SOUTH YORKSHIRE																																		
FINNINGLEY ...			21-9	10	19.0	10.2	14.6	-	26.2	29	4.9	11	-	-	83	150	28	29	15	12	0	0	0	0	1	0	0	0	0	0	4.08	-	-	
SHEFFIELD																																		
DORE ...			9 9	206	17.5	10.2	13.9	-	24.4	29	7.3	4	-	-	57	-	10	29	15	13	0	0	0	0	0	0	0	0	0	0	-	-	-	
WESTON PARK ...			9 9	131	18.3	10.9	14.6	-1.4	26.0	29	7.9	13	15.3	13.8	59	98	11	29	14	12	0	0	0	0	0	0	0	0	0	0	4.86	94	-	
DERBYSHIRE																																		
ASHOVER ...			9 9	178	18.1	10.3	14.2	-	24.6	29	6.4	12	-	-	67	-	17	29	15	13	0	0	0	0	0	0	0	0	0	0	4.85	-	-	
BUXTON ...			9 9	307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
DERBY ...			9 9	48	19.2	11.4	15.3	-	25.7	29	7.7	10	-	-	60	106	16	29	14	11	0	0	0	1	0	0	0	0	0	0	4.70	-	5	
WINGERWORTH ...			9 9	116	18.1	9.3	13.7	-	24.3	29	4.8	10	15.4	-	68	-	16	29	15	13	0	0	0	0	0	0	0	0	0	0	4.80	-	5	
NOTTINGHAMSHIRE																																		
HANSFIELD ...			9 9	114	18.5	10.6	14.5	-1.4	25.0	29	6.5	10	-	-	71	-	23	29	18	15	0	0	0	0	0	0	0	0	0	0	-	-	-	
METHWORTH ...			9 9	58	(18.8) (7.8)	(13.3)	-	25.0	29	2.2	10	-	-	60	-	13	29	15	14	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
NOTTINGHAM ...			9 9	59	19.2	11.3	15.3	-1.2	25.6	29	8.0	4	15.9	14.5	55	99	25	29	14	12	0	0	0	0	0	0	0	0	0	0	4.92	98	-	
CUTTON BONINGTON ...			9 9	48	19.1	9.6	14.3	-1.6	25.3	29	4.7	10	14.9	13.6	55	104	19	29	16	15	0	0	0	0	0	0	0	0	0	0	5.03	93	-	
WARSOP ...			9 9	46	19.0	9.5	14.3	-	25.6	29	4.5	10	-	-	72	136	25	29	15	11	0	0	0	0	0	0	0	0	0	0	4.29	-	-	
WATNALL ...			21-9	117	18.4	10.6	14.5	-1.2	25.3	29	7.5	10	-	-	65	104	19	29	16	12	0	0	0	0	0	0	0	0	0	0	4.38	83	-	
STAFFORDSHIRE																																		
KEELE ...			9 9	179	17.0	10.2	13.6	-	22.7	29	7.2	4	14.2	12.3	82	117	12	25	17	12	0	0	0	1	0	0	0	0	0	0	4.32	-	5	
OAKEN ...			9 9	125	18.4	10.1	14.3	-1.0	24.1	29	6.3	10	15.4	-	72	113	22	29	17	14	0	0	0	0	0	1	0	0	0	0	-	-	5	
PENKIRIDGE ...			9 9	101	18.2	9.4	13.8	-	23.4	29	4.2	10	-	-	53	86	9	29	15	14	0	0	0	0	0	0	0	0	0	0	-	-	-	
STONE ...			9 9	107	17.6	10.1	13.9	-	23.0	29	5.0	10	-	-	64	98	11	27	16	14	0	0	0	0	0	0	0	0	0	0	5.02	-	-	
LEICESTERSHIRE																																		
CALDECOTT ...			9 9	53	19.2	10.1	14.7	-	25.1	29	4.7	25	-	-	63	134	15	29	15	14	0	0	0	0	2	0	0	0	0	0	4.53	-	-	
NEWTOWN LINFORD ...			9 9	119	18.8	9.5	14.1	-	25.2	29	4.6	25	-	-	67	112	19	29	16	14	0	0	0	0	1	0	0	0	0	0	5.02	-	-	
SALOP																																		
HAMPTON LODGE ...			9 9	70	19.4	10.3	14.9	-	24.5	29	5.6	7	-	-	100	-	28	29	13	11	-	-	-	-	-	-	-	-	-	5.71	-	-		
NEWPORT ...			9 9	64	18.7	10.4	14.5	-0.8	24.2	13	6.6	10	-	-	64	102	11	27	15	14	0	0	0	0	0	0	0	0	0	0	5.17	99	-	
OSMESTRY ...			9 9	174	17.8	10.8	14.3	-0.8	25.4	29	8.0	4.25	-	-	70	100	16	3	13	8	-	-	-	-	-	-	-	-	-	4.72	90	5		
PRESTON MONTFORD ...			9 9	67	-	-	-	-	-	-	6.7	7	16.4	14.6	71	-	14	31	17	14	-	-	-	-	-	-	-	-	-	-	-	-	5	
SHAWBURY ...			21-9	72	18.5	10.6	14.5	-1.2	23.0	13.29	6.0	25	-	-	77	124	14	3	16	12	0	0	0	0	0	0	0	1	0	0	4.84	89	-	
SHREWSBURY ...			9 9	56	-	11.0	-	-	-	-	7.4	17	16.4	15.3	60	109	13	31	16	11	0	0	0	0	0	0	0	0	0	0	4.28	80	-	
WEST MIDLANDS																																		
BIRMINGHAM																																		
EDGBASTON ...			21-9	163	18.6	11.3	14.9	-1.1	25.3	29	7.4	4	12.7	-	84	127	23	29	16	11	0	0	0	0	1	0	0	0	0	0	5.11	97	-	
ELMDON AIRPORT ...			21-9	96	19.3	10.5	14.9	-1.0	25.2	29	4.8	10	-	-	79	-	35	29	16	11	0	0	0	0	2	0	0	0	0	0	5.19	91	-	
KING EDWARD'S SCHOOL ...			9 9	137	19.3	10.7	15.0	-	24.9	29	6.7	4	-	-	82	132	22	29	13	11	-	-	-	-	0	0	-	-	-	-	-	-	-	
COVENTRY AIRPORT ...			9 9	81	19.2	10.5	14.9	-	25.2	29	5.9	25	14.3	13.2	68	-	20	29	16	10	0	0	0	0	0	0	0	0	0	0	5.11	-	-	



[illegible]



[illegible]



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

[illegible]







TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JULY 1978

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 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE					N	NE	E	SE	S	SW	W	NW											
									MEAN	0	1 - 2	3 - 5	6 - 7	8											SKY OBSERVED	34 OR MORE	22-33	11-21	1-10									0										
																																							SPEED (KT)	6-7	4-5	1-3	CALM					
																																												18 OR MORE	6-7	4-5	1-3	CALM
NUMBER OF OBSERVATIONS																																																
0 SCOTLAND N SHETLAND																																																
FAIR ISLE	61	9	1011.5	-	9.7	0.4	11.4	94	6.8	0	2	2	12	11	4	0	2	1	1	0	2	7	7	5	6	0	12	8	11	0	9	2	0	4	6	4	1	5										
		15	1011.9	-	10.4	0.6	11.7	93	6.8	0	3	0	11	16	1	0	0	1	3	1	2	2	8	9	5	0	10	17	4	0	8	0	0	3	2	1	6	6										
		21	1012.0	-	9.5	0.3	11.3	95	7.3	0	0	1	16	11	3	0	3	0	0	1	1	4	7	7	8	0	8	12	8	3	7	3	0	4	5	1	2	6										
LERWICK	83	3	1011.1	-	8.6	0.3	10.9	96	6.9	0	1	5	4	18	3	0	1	3	0	0	7	7	3	6	4	0	3	13	12	3	7	0	0	1	7	3	5	5										
		9	1011.2	-0.5	10.1	0.7	11.4	92	7.3	0	1	2	8	17	3	0	1	2	0	2	6	7	0	9	4	0	3	16	11	1	6	1	0	3	5	4	5	6										
		15	1011.6	-	11.1	1.1	11.7	88	6.5	0	3	3	14	11	0	0	0	0	1	0	2	10	4	10	4	0	4	19	8	0	6	1	1	3	8	2	5	5										
ORKNEY	21	9	1011.9	-	9.3	0.4	11.2	95	7.4	0	0	3	8	18	2	0	2	2	0	1	3	7	7	7	2	0	1	15	15	0	5	2	0	3	7	3	4	7										
		15	1011.9	-	9.3	0.4	11.2	95	7.4	0	0	3	8	18	2	0	2	2	0	1	3	7	7	7	2	0	1	15	15	0	5	2	0	3	7	3	4	7										
		21	1011.9	-	9.3	0.4	11.2	95	7.4	0	0	3	8	18	2	0	2	2	0	1	3	7	7	7	2	0	1	15	15	0	5	2	0	3	7	3	4	7										
KIRKALL	26	3	1012.0	-	9.3	0.4	11.2	95	7.5	0	0	1	10	20	0	0	0	1	0	0	0	6	8	12	4	0	0	17	10	4	4	1	0	2	5	3	5	7										
		9	1012.2	+0.1	11.2	1.0	11.8	88	6.9	0	1	3	16	11	0	0	0	0	0	1	3	9	12	6	0	0	2	22	7	0	7	2	0	2	9	1	5	5										
		15	1012.5	-	12.3	1.4	12.0	83	6.8	0	2	2	15	12	0	0	0	0	0	0	10	5	7	9	0	0	2	22	7	0	7	0	1	2	7	1	6	7										
WESTERN ISLES	21	9	1012.8	-	10.2	0.6	11.5	92	7.2	0	1	1	11	17	1	0	1	0	0	0	0	7	6	9	8	0	3	10	15	3	7	1	2	0	6	1	6	5										
		15	1012.8	-	10.2	0.6	11.5	92	7.2	0	1	1	11	17	1	0	1	0	0	0	0	7	6	9	8	0	3	10	15	3	7	1	2	0	6	1	6	5										
		21	1012.8	-	10.2	0.6	11.5	92	7.2	0	1	1	11	17	1	0	1	0	0	0	0	7	6	9	8	0	3	10	15	3	7	1	2	0	6	1	6	5										
BENBECULA	7	3	1012.4	-	10.9	0.5	12.2	93	7.1	0	1	0	20	10	0	0	0	0	0	0	5	6	12	8	0	2	17	11	1	6	2	2	1	7	1	5	6											
		9	1012.9	+0.2	12.3	1.0	12.6	88	6.7	0	2	2	19	8	0	0	0	0	0	0	2	3	7	11	8	0	2	19	9	1	9	2	1	1	8	2	4	3										
		15	1013.4	-	13.9	1.7	12.9	82	6.0	0	3	6	15	7	0	0	0	0	0	0	0	6	12	13	0	0	4	19	8	0	6	1	1	1	7	3	6	6										
STORNOWAY	5	3	1013.3	-	11.6	0.7	12.6	92	6.7	0	1	4	14	12	0	0	0	0	0	0	0	6	3	10	12	0	5	11	15	0	6	1	2	6	2	3	3	8										
		9	1012.4	-	10.3	0.4	11.8	94	7.3	0	0	2	13	15	1	0	0	1	1	0	0	6	7	13	3	0	1	10	20	0	7	1	1	0	8	2	5	7										
		15	1012.9	+0.4	11.6	0.8	12.3	90	7.1	0	0	3	17	11	0	0	0	0	0	0	1	4	8	11	7	0	0	14	17	0	5	4	0	1	9	1	4	7										
HIGHLAND	21	9	1013.2	-	12.7	1.3	12.5	84	6.5	0	2	4	13	12	0	0	0	0	0	0	5	4	9	13	0	0	18	13	0	6	5	0	11	0	5	4	5											
		15	1013.2	-	12.7	1.3	12.5	84	6.5	0	2	4	13	12	0	0	0	0	0	0	5	4	9	13	0	0	18	13	0	6	5	0	11	0	5	4	5											
		21	1013.4	-	10.9	0.6	12.0	92	6.7	0	2	3	13	13	0	0	0	0	0	0	0	5	6	13	7	0	0	12	19	0	8	2	1	3	6	3	5											
CAPE WRATH	113	3	1012.0	-	10.2	0.9	11.2	89	7.4	0	0	3	6	18	4	0	3	1	0	0	0	2	9	9	7	1	2	14	14	0	3	2	6	2	4	6	3	5										
		9	1012.4	-	10.4	0.8	11.3	89	7.8	0	0	0	4	22	5	0	4	2	1	0	0	3	6	11	4	0	3	13	15	0	4	0	6	1	5	5	3	7										
		15	1013.0	-	11.0	0.9	11.7	86	7.2	0	0	2	12	12	1	3	1	1	0	0	0	2	5	9	9	0	5	16	10	0	5	1	4	0	2	10	4	5										
DALCROSS	12	3	1013.0	-	10.4	0.9	11.3	89	7.4	0	0	1	11	16	3	0	1	0	2	0	0	2	10	10	6	1	1	14	15	0	5	1	4	4	3	5	3	6										
		9	1012.9	-	13.1	1.7	12.1	80	6.9	0	0	4	18	9	0	0	0	0	0	0	4	4	10	13	0	1	10	20	0	9	0	2	1	2	8	8	1											
		15	1012.8	-	15.2	2.6	12.7	74	6.5	0	0	6	21	4	0	0	0	0	1	0	0	4	3	8	18	0	0	15	16	0	4	8	0	3	7	6	3											
WICK	37	3	1011.8	-	9.7	0.5	11.3	94	7.4	0	0	2	8	21	0	0	1	0	0	0	1	12	6	5	0	0	12	19	0	9	0	1	5	6	2	4	8											
		9	1012.0	-0.4	11.4	1.1	11.7	87	6.8	0	1	2	19	8	1	0	0	1	0	0	0	6	2	14	8	0	0	21	10	0	7	1	1	2	8	1	3	8										
		15	1012.3	-	12.5	1.7	11.7	81	6.7	0	0	4	18	8	1	0	0	1	0	0	0	4	5	11	10	0	2	20	9	0	5	0	3	1	7	2	3	10										
1 SCOTLAND E GRAMPIAN	21	9	1012.6	-	10.5	0.7	11.6	91	6.9	0	2	1	16	11	1	0	1	0	0	0	0	7	3	12	8	0	0	14	16	1	9	2	1	2	3	3	1	9										
		15	1012.6	-	10.5	0.7	11.6	91	6.9	0	2	1	16	11	1	0	1	0	0	0	0	7	3	12	8	0	0	14	16	1	9	2	1	2	3	3	1	9										
		21	1012.6	-	10.5	0.7	11.6	91	6.9	0	2	1	16	11	1	0	1	0	0	0	0	7	3	12	8	0	0	14	16	1	9	2	1	2	3	3	1	9										
DYCE	59	3	1012.2	-	10.4	0.8	11.3	89	6.5	0	4	2	12	12	1	0	0	1	1	0	0	5	6	12	6	0	0	10	17	4	1	0	2	1	7	1	6	9										
		9	1012.5	-0.4	12.5	1.7	11.7	80	7.1	0	1	3	12	15	0	0	0	0	0	1	4	5	2	5	14	0	0	15	16	0	4	1	0	1	7	3	12											
		15	1012.4	-	14.6	2.5	12.2	74	6.8	0	1	3	17	10	0	0	0	0	0	0	2	6	2	8	13	0	0	16	13	2	7	1	2	3	5	3	0	8										
FRASERBURGH	22	3	1012.8	-	11.8	1.1	12.1	87	6.9	0	2	1	15	13	0	0	0	0	1	0	0	4	6	13	6	0	1	9	18	3	4	0	3	4	4	2	1	10										
		9	1011.9	-	10.8	0.7	11.9	91	7.3	0	0	3	7	19	2	0	0	0	2	1	0	0	12	16	0	0	8	5	17	1	2	0	1	3	7	1	6	10										
		15	1012.3	-0.5	12.0	1.2	12.0	86	7.0	0	0	5	7	18	1	0	0	0	1	0	0	7	20	0	0	6	13	12	0	4	0	2	4	6	2	7	6											
KINLOSS	6	3	1012.4	-	12.9	1.5	12.4	84	6.6	0	0	6	12	13	0	0	0	0	0	0	2	8	21	0	0	5	13	13	0	3	1	3	2	5	1	4	12											
		9	1012.6	-	11.5	0.8	12.3	91	7.1	0	1</																																					







TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JULY 1978

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 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE																							
									MEAN	0	1 - 2	3 - 5	6 - 7	8											SKY OBSCURED	B OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW										
																																							SPEED (KT)									
NUMBER OF OBSERVATIONS																																																
3 EAST ANGLIA -CONTO. ESSEX																																																
SHOEBURYNNESS	5	9	1015.7	- 0.7	16.3	2.2	14.4	77	6.5	0	1	4	18	8	0	0	0	0	0	0	0	4	3	8	10	6	0	0	9	22	0	2	2	34	0	5	6	9	4	6	2							
		15	1015.5	-	18.0	3.3	14.3	69	6.4	0	3	2	17	9	0	0	0	0	0	0	0	4	6	13	7	0	0	14	17	0	2	2	31	0	5	7	7	2										
		21	1015.9	-	15.4	1.7	14.5	82	5.7	0	7	2	17	5	0	0	0	0	0	0	2	5	6	13	5	0	0	14	17	21	0	0	2	6	0	7	7											
STAMSTED	102	3	1015.3	-	12.0	0.6	13.0	92	6.4	1	2	4	13	11	0	0	0	2	2	1	1	10	11	4	0	0	0	3	25	3	2	4	0	2	4	5	7	4	5									
		9	1015.6	- 0.5	14.7	1.7	13.7	81	7.0	0	1	1	16	13	0	1	0	0	3	7	4	11	5	0	0	11	20	0	4	1	2	1	2	1	3	9	3											
		15	1015.1	-	17.9	3.8	13.1	64	6.4	0	1	7	14	9	0	0	0	0	0	0	3	7	14	7	0	0	14	17	0	0	5	0	4	3	3	11	5											
21	1015.6	-	14.3	1.7	13.4	82	5.5	0	6	5	11	9	0	0	0	0	2	1	6	8	12	2	0	0	3	27	1	1	1	4	5	4	4	8	3													
4 MIDLAND COUNTIES																																																
WEST YORKSHIRE																																																
HUDDERSFIELD	235	3	1014.5	-	10.3	1.1	10.8	85	7.4	0	0	2	7	22	0	1	1	1	0	0	2	10	10	6	0	0	2	12	14	3	2	0	0	2	4	7	8	5										
		9	1014.8	-	13.7	1.6	12.9	82	6.7	0	0	0	8	5	17	0	1	0	0	1	0	3	9	7	10	0	0	0	12	17	2	5	1	1	5	7	8	1										
		15	1014.7	-	16.3	2.8	13.3	72	6.9	0	0	0	4	15	12	0	0	0	0	0	1	4	8	17	1	1	0	16	14	0	2	1	0	3	2	9	11	3										
21	1014.8	-	12.9	1.4	12.5	84	5.8	2	3	6	7	13	0	0	0	0	1	0	1	7	13	9	0	0	1	10	19	1	2	1	1	3	3	7	8	5												
WILSON	267	3	1014.7	-	10.2	0.6	11.5	92	6.0	0	4	7	4	11	5	0	1	3	1	0	0	5	20	1	0	0	0	10	15	6	1	0	2	2	4	1	11	4										
		9	1014.7	-	12.5	1.5	11.9	82	6.0	1	1	9	7	13	0	0	0	0	0	3	9	10	0	0	0	0	12	19	0	1	2	1	3	2	3	10	9											
		15	1014.5	-	15.0	3.0	11.8	70	6.2	0	0	11	8	12	0	0	0	0	0	0	1	2	14	14	0	0	0	13	18	0	2	0	2	4	0	17	4											
21	1014.9	-	12.3	1.4	11.9	83	5.5	1	4	10	3	13	0	0	0	0	0	0	1	5	21	4	0	0	0	0	18	20	3	3	0	3	1	2	6	13	0											
SOUTH YORKSHIRE																																																
FINNINGLEY	15	3	1014.3	-	11.1	0.7	12.2	92	6.1	1	2	6	13	8	1	0	0	3	1	1	1	3	12	9	1	0	0	4	22	5	3	1	0	3	6	1	9	3										
		9	1014.6	- 0.5	14.6	2.0	13.1	79	6.4	0	1	8	8	14	0	0	0	0	0	1	3	5	3	13	6	0	0	11	19	1	3	1	2	1	5	4	6	8										
		15	1014.3	-	17.7	3.7	13.2	66	6.3	0	0	0	8	14	9	0	0	0	0	0	1	4	7	13	6	0	0	13	18	0	4	3	5	5	7	4												
21	1014.6	-	14.1	1.5	13.5	83	6.0	2	3	2	14	10	0	0	0	0	0	1	2	5	9	14	0	0	0	4	27	0	3	3	4	2	3	5	7	4												
NOTTINGHAMSHIRE																																																
WATNALL	119	3	1015.0	-	11.5	0.7	12.5	92	6.6	1	2	2	12	13	1	0	0	1	0	2	2	7	12	7	0	0	0	3	26	2	4	2	2	1	7	8	4											
		9	1015.1	- 0.2	14.2	1.7	13.3	81	6.5	2	1	3	13	12	0	0	0	0	0	1	4	7	12	0	0	0	8	23	0	3	2	1	0	4	8	8	5											
		15	1014.9	-	17.3	3.4	13.2	68	6.3	0	4	5	12	10	0	0	0	0	1	0	4	8	12	6	0	0	8	23	0	3	3	1	0	3	5	14	2											
21	1015.1	-	14.0	1.6	13.2	83	5.4	0	6	5	13	7	0	0	0	0	0	1	1	9	11	8	1	0	0	2	28	1	2	3	2	0	3	5	9	6												
SALOP																																																
SHAWBURY	76	3	1015.0	-	11.8	0.8	12.6	91	6.3	1	3	3	13	11	0	0	0	0	1	1	2	5	6	16	0	0	0	3	26	2	1	0	2	2	4	4	7	9										
		9	1015.2	- 0.4	14.6	1.6	13.8	83	6.2	0	3	5	10	13	0	0	0	0	0	1	14	1	12	3	0	0	7	24	0	2	2	2	2	1	6	2	8	8										
		15	1015.0	-	17.6	3.2	13.9	69	5.9	0	2	11	10	8	0	0	0	0	0	0	0	4	6	15	6	0	0	16	15	0	6	0	2	1	2	3	9	8										
21	1015.4	-	13.6	1.4	13.3	85	6.0	1	1	9	14	6	0	0	0	0	0	0	1	6	7	16	1	0	0	7	24	0	5	3	0	0	4	6	5	8												
WEST MIDLANDS																																																
EDGBASTON	165	9	1015.3	- 0.7	14.2	2.3	12.1	75	6.6	1	2	2	12	14	0	0	0	0	1	0	10	12	6	2	0	0	5	26	0	3	1	3	0	7	2	7	8											
		15	1014.9	-	17.4	4.2	11.9	61	6.3	0	3	4	16	8	0	0	0	0	0	0	4	8	10	9	0	1	6	23	1	7	0	2	1	3	4	8	5											
		21	1015.4	-	15.0	2.6	12.5	73	6.1	0	5	4	10	12	0	0	0	0	1	0	8	12	9	1	0	0	4	26	1	7	2	2	0	3	4	5	7											
ELMDON	100	3	1015.3	-	11.5	0.9	12.3	89	5.9	0	6	4	12	9	0	1	0	0	1	3	5	9	11	1	0	0	7	19	5	2	1	0	2	5	4	4	8											
		9	1015.4	- 0.5	14.9	2.3	12.7	75	6.5	1	2	4	12	12	0	0	0	0	1	1	2	18	8	1	0	0	14	17	0	3	1	2	1	6	2	6	10											
		15	1015.0	-	18.1	4.4	12.2	60	5.9	0	2	8	15	6	0	0	0	0	0	1	1	15	8	6	0	0	15	16	0	4	0	2	1	4	5	8	7											
21	1015.5	-	14.6	2.0	13.1	79	5.6	0	6	5	12	8	0	0	0	0	0	0	1	7	15	6	2	0	0	8	22	1	6	0	5	1	3	5	5	7												
GLOUCESTER																																																
INNSMORTH	24	3	1015.7	-	12.7	1.0	13.0	88	5.7	1	3	8	12	7	0	0	0	0	0	2	8	13	7	1	0	0	3	26	2	3	3	1	2	8	8	3	1											
		9	1016.0	-	15.6	2.5	13.3	74	6.4	1	1	5	16	8	0	0	0	0	1	1	4	9	8	8	0	0	7	24	0	3	0	2	0	3	8	9	6											
		15	1015.4	-	19.1	4.5	13.2	60	6.2	0	1	6	19	5	0	0	0	0	0	0	3	11	7	10	0	0	9	22	0	4	0	4	0	5	6	9	3											
21	1015.8	-	15.7	2.3	13.7	77	6.2	1	3	3	14	10	0	0	0	0	0	1	1	9	5	10	5	0	0	2	29	0	4	2	1	0	11	4	7	2												
OXFORDSHIRE																																																
BENSON	74	3	1015.7	-	12.7	0.9	13.2	89	5.8	0	6	4	11	9	1	0	0	0	1	1	1	4	9	14	1	0	0	3	20	8	3	1	3	0	6	3	5	2										
		9	1015.9	-	15.5	2.2	13.6	76	6.5	1	1	2	17	10	0	0	0	0	1	2	0	1	11	9	7	0	0	10	18	3	4	0	3	1	3	6	6	5										
		15	1015.3	-	19.0	4.4	13.2	61	6.1	0	2	7	14	8	0	0	0	0	0	0	1	13	3	13	0	0	11	18	2	5	0	3	1	3	4	9	4											
21	1015.8	-	15.5	2.0	13.9	79	6.3	0	3	4	15	9	0	0	0	0	0	0	3	7	8	7	6	0	0	4	20	7	1	3	2	1	6	5	5	1												
BRIZE NORTON	92	3	1015.5	-	12.2	0.9	12.7	89	6.1	1	3	5	11	11	0	0	0	0	0	3	10	4	12	2	0	0	3	26	2	3	4	0	1	2	6	11	2											
		9	1015.6	-	15.4	2.5	13.0	74	6.8	1	1	1	17	11	0	0	0	0	0	1	2	13	9	6	0	0	10	21	0	4	1	2	2	5	4	6	7											
		15	1015.0	-	18.8	4.8	12.3	57	6.0	0	2	7	16	6	0	0	0	0	0	0	2	7	11	11	0	0	15	16	0	5	0	3	2	2	5	9	5											
21	1015.4	-	15.5	2.2	13.7	77	6.2	0	5	4	10	12	0	0																																		



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

JULY 1978

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 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE						N	NE	E	SE	S	SW	W	NW
									0	1 - 2	3 - 5	6 - 7	8	SKY OBSERVED											8 OR MORE	6-7	4-5	1-3	CALM									
NUMBER OF OBSERVATIONS																																						
5 ENGLAND SE & CENT. S. KENT			-CONTD.																																			
DUNGENESS	7	3	1015.6	-	-	-	-	5.9	1	1	10	9	9	1	0	1	0	0	0	2	4	11	13	0	0	1	10	17	3	1	1	4	2	1	2	6	12	1
		9	1015.9	-	15.6	1.7	14.6	82	6.8	0	1	3	14	13	0	0	0	0	0	1	3	6	11	10	0	0	1	13	13	4	2	2	0	4	6	8	3	
		15	1015.7	-	-	-	-	-	6.1	1	3	3	16	8	0	0	0	0	1	0	6	9	14	1	0	0	3	17	11	0	1	0	7	1	2	8	10	2
		21	1016.0	-	-	-	-	-	6.2	0	2	10	7	11	1	0	1	0	0	1	2	6	7	14	0	0	2	11	15	3	0	0	0	1	3	13	2	
HANSTON	45	3	1015.7	-	12.9	0.6	13.8	93	6.1	1	2	7	12	7	2	0	1	1	1	0	9	9	10	0	0	0	5	26	0	1	5	0	3	5	9	6	2	
		9	1015.9	-	15.8	2.0	14.2	79	6.5	0	2	3	18	8	0	0	0	0	0	2	2	5	6	13	3	0	0	10	21	0	1	3	0	1	2	4	7	6
		15	1015.7	-	17.8	3.3	14.1	69	6.0	0	3	6	16	6	0	0	0	0	0	1	5	7	11	6	0	0	14	17	0	1	5	3	4	5	6	7		
		21	1016.2	-	14.1	1.3	13.9	86	5.6	1	4	3	19	4	0	0	0	0	1	2	4	9	10	5	0	0	6	25	0	1	4	6	8	2	2	2		
HAMPSHIRE																																						
SOUTHAMPTON WEATHER CENTRE (X)	9	3	1016.0	-	13.6	1.1	13.8	88	6.2	1	3	4	12	11	0	0	0	0	1	0	2	7	11	10	0	0	0	1	29	1	1	2	3	0	5	3	9	7
		9	1016.3	-	15.9	2.4	13.6	75	6.5	1	1	3	15	11	0	0	0	0	0	2	5	8	15	1	0	0	3	28	0	4	1	3	2	3	3	11	4	
		15	1016.0	-	18.7	4.1	13.6	63	6.3	1	1	5	18	6	0	0	0	0	0	1	6	4	17	3	0	0	7	24	0	3	0	0	4	6	4	11	3	
		21	1016.2	-	15.9	2.0	14.4	79	6.3	0	4	3	14	10	0	0	0	0	0	4	4	11	10	2	0	0	3	28	0	1	0	3	3	4	16	1		
WEST SUSSEX																																						
OATWICK	60	3	1016.1	-	12.2	0.5	13.5	94	6.2	1	3	2	15	10	0	0	0	1	0	4	3	10	11	2	0	0	0	2	26	3	2	5	2	0	2	10	7	0
		9	1016.2	- 0.4	15.7	2.1	14.0	78	6.6	0	3	2	14	12	0	0	0	0	0	4	7	10	7	3	0	0	11	20	0	0	3	3	2	2	6	7	8	
		15	1015.8	-	18.6	4.1	13.4	63	6.1	0	4	4	15	8	0	0	0	0	0	1	4	9	8	9	0	0	17	14	0	2	2	2	8	10	3	0		
		21	1016.3	-	14.7	1.4	14.2	85	5.9	0	3	6	13	9	0	0	0	0	1	1	11	8	10	0	0	0	5	25	1	1	1	3	3	4	12	6	0	
EAST SUSSEX																																						
HERSTMONCEUX	28	3	1016.0	-	12.0	0.3	13.7	96	6.7	0	0	6	12	12	1	0	1	0	1	2	4	12	6	5	0	0	0	1	24	6	3	4	1	1	2	5	7	2
		9	1016.2	-	15.7	1.7	14.7	82	6.5	0	2	2	19	8	0	0	0	0	0	2	6	10	9	4	0	0	6	24	1	4	3	1	1	4	6	10	1	
		15	1016.0	-	17.6	2.9	14.6	72	5.7	1	4	6	12	8	0	0	0	0	0	1	5	6	14	5	0	0	13	18	0	1	0	4	4	5	7	8	2	
		21	1016.4	-	13.8	0.9	14.2	90	5.7	0	3	9	11	8	0	0	0	0	0	4	8	10	9	0	0	0	3	20	8	4	2	0	1	7	5	2		
7A ENGLAND NW & I.O.M. CUMBRIA																																						
CARLISLE	28	3	1013.7	-	11.2	0.7	12.2	92	6.1	1	2	4	17	7	0	0	0	0	1	0	3	3	5	16	3	0	0	1	26	4	1	1	5	1	4	4	10	1
		9	1013.9	- 0.5	14.2	1.9	12.9	79	6.4	0	3	2	17	9	0	0	0	0	1	2	2	5	10	11	0	0	0	6	25	0	2	1	3	2	1	6	10	6
		15	1013.6	-	17.3	3.2	13.6	69	6.2	0	1	8	16	6	0	0	0	0	0	0	1	6	12	12	0	0	12	19	0	4	2	2	0	2	5	13	3	
		21	1013.9	-	13.8	1.5	13.3	84	6.1	1	1	5	18	6	0	0	0	0	0	0	4	9	12	6	0	0	5	26	0	3	3	4	0	3	6	10	2	
LANCASHIRE																																						
SQUIRES GATE	11	3	1014.6	-	12.1	0.7	13.0	91	6.4	2	1	4	14	10	0	0	0	0	0	2	1	5	9	14	0	0	0	15	16	0	3	0	6	2	3	2	5	10
		9	1014.9	- 0.2	14.5	1.7	13.6	82	6.2	1	2	3	18	7	0	0	0	0	0	1	4	9	12	5	0	0	0	16	15	0	1	2	2	3	3	10	8	
		15	1015.1	-	16.1	2.3	13.9	76	5.9	0	5	5	14	7	0	0	0	0	0	0	2	6	14	9	0	0	15	16	0	0	1	1	0	2	2	15	10	
		21	1015.0	-	14.0	1.3	13.7	88	6.0	1	3	5	16	6	0	0	0	0	0	1	5	5	17	3	0	0	16	14	1	4	0	1	1	4	7	9		
GREATER MANCHESTER																																						
MANCHESTER WEATHER CENTRE (X)	42	3	1014.6	-	12.8	1.1	12.9	87	5.9	3	1	4	16	7	0	0	0	0	0	3	9	12	7	0	0	0	0	29	2	5	1	1	0	8	3	8	3	
		9	1014.8	-	14.7	2.2	12.7	76	6.2	1	3	4	10	13	0	0	0	0	1	1	10	8	8	3	0	0	4	27	0	2	1	3	2	5	7	6		
		15	1014.7	-	17.0	3.5	12.8	67	6.1	0	1	9	12	9	0	0	0	0	0	0	5	8	13	5	0	0	5	26	0	3	0	1	1	5	2	17	2	
		21	1014.8	-	15.0	2.1	13.2	78	6.1	1	2	6	13	9	0	0	0	0	1	1	5	10	12	2	0	0	3	28	0	5	0	4	0	4	3	13	2	
RINGWAY	84	3	1014.9	-	12.2	0.9	12.9	90	6.0	1	6	1	10	13	0	0	0	0	1	2	8	13	7	0	0	0	5	25	1	1	0	2	0	9	3	10	5	
		9	1015.0	- 0.2	14.5	1.9	12.9	79	6.1	0	3	6	12	10	0	0	0	0	1	1	8	12	9	0	0	0	10	21	0	0	2	2	0	4	5	8	8	
		15	1014.9	-	16.8	3.4	12.7	67	5.9	1	3	5	12	10	0	0	0	0	0	1	1	18	10	1	0	0	16	15	0	2	0	0	2	2	4	15	6	
		21	1015.1	-	14.5	1.9	13.2	80	6.0	1	2	5	17	6	0	0	0	0	1	1	11	6	9	3	0	0	4	26	1	2	1	1	2	5	1	12	6	
ISLE OF MAN																																						
POINT OF AYRE	9	3	1014.5	-	11.6	0.4	13.0	94	5.9	1	3	6	9	12	0	0	0	0	0	2	2	6	7	14	0	0	2	20	6	3	0	0	2	4	5	7	10	
		9	1014.9	+ 0.4	13.7	1.3	13.5	86	6.2	0	2	6	14	9	0	0	0	0	1	0	3	4	16	7	0	0	3	20	8	0	0	1	1	6	3	7	12	
		15	1015.0	-	15.9	2.1	14.1	79	6.1	0	1	10	10	10	0	0	0	0	1	0	1	4	17	8	0	0	3	20	8	0	1	0	2	1	4	3	14	6
		21	1014.9	-	13.1	0.8	13.7	91	5.8	0	3	7	13	8	0	0	0	0	0	0	2	4	11	14	0	0	3	16	10	2	0	1	0	6	3	7	11	
RONALDSWY	21	3	1014.4	-	11.2	0.8	12.1	90	5.8	0	5	6	14	6	0	0	1	0	1	1	12	2	7	7	0	0	0	19	12	0	5	1	2	0	4	2	9	8
		9	1014.9	+ 0.1	13.1	1.4	12.7	84	6.1	0	5	2	15	9	0	0	0	0	0	1	7	4	8	10	0	0	1	17	13	0	3	1	3	0	5	6	4	
		15	1014.9	-	14.7	1.9	13.2	79	6.0	0	4	4	15	8	0	0	0	0	0	1	6	8	10	6	0	0	4	13	14	0	4	0	3	0	7	5	4	
		21	1014.8	-	12.6	1.1	12.8	87	5.9	0	5	2	17	6	1	0	0	0	1	0	2	7	7	7	7	0	3	10	15	3	0	3	1	1	4	6	9	
7B WALES N GWYNEDD																																						
BARSEY ISLAND	19	3	1015.8	-	12.5	0.7	13.3	92	6.0	3	1	4	10	12	1	0	0	0	1	0	1	0	28	1	0	0	5	15	11	0	8	0	1	3	4	8	7	
		9	1016.2	-	13.3	0.9	13.8	90	6.5	0	2	7	9	13	0	0	0	0	1	0	1	23	6	0	0	7	12	11	1	6	1	2	0	4	1	12	4	
		15	1016.3	-	14.2	1.1	14.3	88	5.7	2	4	5	9	11	0	0	0	1	0	0	0	23	7															



JULY 1978

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		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 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE				N	NE	E	SE	S	SW	W	NW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
									0	1 - 2	3 - 5	6 - 7	8	SKY OBSERVED											SPEED (KT)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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BA WALES S -CONTO. MID GLAMORGAN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							



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

JULY 1978

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	3	26	2	0	0	0	0	0	0	0	0	26	5	0	CAMBRIDGE BOTANIC GARDENS	0	0	0	2	16	13	0	0	0	0	0	0	0	0	9	19	3
LERWICK (SCREEN)	0	0	3	25	3	0	0	0	0	0	0	0	0	26	5	0	EDOBASTON	0	0	0	5	15	10	1	0	0	0	0	0	0	0	7	23	1
STORNOWAY	0	0	0	25	6	0	0	0	0	0	0	0	0	20	11	0	KEM (PSYCHROMETER)	0	0	0	1	17	11	2	0	0	0	0	0	0	0	7	22	2
CRAIBSTONE	0	0	1	12	17	1	0	0	0	0	0	0	0	22	9	0	KEM (NORTH-WALL SCREEN)	0	0	0	1	12	16	2	0	0	0	0	0	0	0	4	24	3
ROTHESAY	0	0	0	6	21	4	0	0	0	0	0	0	0	19	12	0	HASTINGS	0	0	0	1	26	4	0	0	0	0	0	0	0	0	3	25	3
ABBOTSINCH	0	0	0	4	19	8	0	0	0	0	0	0	1	17	13	0	SOUTHAMPTON	0	0	0	0	20	10	1	0	0	0	0	0	0	0	4	24	3
ESKDALEMUIR (PSYCHROMETER)	0	0	0	10	18	3	0	0	0	0	0	0	8	17	6	0	STONYHURST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ESKDALEMUIR (SCREEN)	0	0	0	8	18	5	0	0	0	0	0	0	5	18	8	0	VALLEY	0	0	0	8	19	4	0	0	0	0	0	0	0	6	25	0	
DOUGLAS	0	0	0	8	21	2	0	0	0	0	0	0	0	13	18	0	RHOOSE	0	0	0	5	20	6	0	0	0	0	0	0	0	10	21	0	
BOULMER	0	0	0	14	14	3	0	0	0	0	0	0	0	20	11	0	FALMOUTH	0	0	0	3	25	3	0	0	0	0	0	0	0	6	25	0	
HULL	0	0	0	0	19	12	0	0	0	0	0	0	0	11	19	1	ALDERGROVE	0	0	0	5	20	6	0	0	0	0	0	0	0	0	16	15	0
GORLESTON	0	0	0	3	21	7	0	0	0	0	0	0	0	8	17	6	ARMAGH	0	0	0	2	21	8	0	0	0	0	0	0	0	12	19	0	

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

JULY 1978

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES		DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										HIGHEST VALUES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		ABOVE MSL	ABOVE GROUND EFFECTIVE	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
				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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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(x) Urban rooftop site.



# MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

**AUGUST**

VOLUME 95

**1978**-6 APR 1979  
C NUMBER 98

## Mostly cool and changeable, but drier and warmer in latter part of month.

A depression over the western English Channel on the 1st moved across central England to the North Sea between the 2nd and the 4th, and a complex system of fronts continued to affect the British Isles during the next few days. A north to north-westerly airstream followed on the 7th, but a ridge of high pressure moved eastwards across the whole of Britain on the 10th and 11th. A series of Atlantic fronts then crossed all districts until the 16th. A ridge of high pressure moved eastwards across southern and central areas on the 17th and 18th and pressure remained high to the south during the next few days, although fronts affected northern and some western districts. On the 22nd a cold front moved south across all areas. Pressure then rose as an anticyclone developed to the west of Ireland, with a persistent ridge extending across the British Isles. Weak fronts occasionally moved south, but a more active frontal system from the north-west affected most districts on the 31st.

### Weather

Fog persisted around northern coasts at the beginning of the month and the weather was generally cool, with outbreaks of rain and scattered thunderstorms, until the early part of the third week. Although rain fell at times in northern and in some western parts of the United Kingdom between the 17th and the 21st, England and Wales were mainly dry. It also became warmer, particularly in eastern Britain. Many districts had some rain on the 22nd, but except for parts of the north, most areas were then dry until the 28th. Cloud amounts were rather variable, but prolonged sunny periods occurred in places. Rain spread southwards during the last few days, reaching most districts on the 31st. Large patches of snow were still apparent on the upper slopes of the higher Scottish mountains at the end of the month.

### Wind

Fresh or strong winds on exposed coasts and hills in the west and north occurred most frequently between the 14th and the 21st. Speeds were mainly light or moderate during the remainder of the month. Directions were generally rather variable until the 13th, except between the 7th and the 9th, when they were north to north-west. Winds were predominantly south to south-west from the 14th to the 22nd, but north-west winds prevailed during the last week, although there were occasional sea-breezes.

### Temperature

Monthly mean temperatures were generally a little above average in eastern Scotland between the Moray Firth and the Firth of Forth, and were about average in the Border counties. Temperatures were below average in all other parts of the United Kingdom, with departures from the normal mostly between 0 and 1 °C, exceeding 1 °C only at a few places in southern England and East Anglia. The highest temperatures during this generally cool month occurred mainly between the 18th and the 26th. Monthly maxima over England and Wales were mostly recorded on the 19th or on the 20th, when the temperature reached 26.5 °C at Scole in Norfolk and also at Gillingham and Herne Bay in Kent.

### Rainfall

Rainfall amounts were very variable. Monthly totals were above average in parts of eastern and southern Scotland, north-eastern England, North Wales, and in a few isolated areas elsewhere in the United Kingdom. Totals exceeded 130 per cent of average in places, and Colwyn Bay (Clwyd) recorded twice its normal rainfall for the month. In spite of the changeable weather, rainfall was below average in most remaining areas and some districts were very dry. Less than 50 per cent of the normal fell in parts of South Wales and southern England, and also over the south-western peninsula, where less than 25 per cent of the average fell along the south Devon coast between Torbay and Sidmouth. Parts of northern and north-western Scotland were dry too, with only about half their normal rainfall, and in Shetland, Lerwick, with a total of 24.2 mm, had its driest August since 1955. Outbreaks of rain, showers and thunderstorms occurred in many areas until around mid-month. On the 2nd thunderstorms disrupted electricity supplies in parts of Scotland, and on the 3rd a girl was injured by lightning in Lowestoft (Suffolk). Motorists in the Scottish Highlands were trapped in their cars on the 4th, when heavy rain caused flooding between Aviemore and Cairngorm. On the 5th 25.0 mm fell in 30 minutes during a thunderstorm at Broughshane Filters (Co. Antrim), and in Snowdonia 109.9 mm fell in the 24 hours beginning at 1545 GMT on the 13th. Showers of sleet and hail were reported in the Grampians around mid-month. England and Wales were mainly dry after the 16th and most areas became dry between the 23rd and the 28th. The end of the month was less settled.

### Sunshine

The only areas of any extent where sunshine totals were above average were along the south

coast of England, around the Severn Estuary, in the south-western peninsula and in the Channel Islands. Totals in Jersey and Guernsey, and in the Lizard (Cornwall) and Torbay (Devon) areas, exceeded 120 per cent of the normal and sunny intervals occurred fairly frequently in the south after the first week. Totals were mostly between 75 and 100 per cent of average over central England and eastern Scotland, and also in parts of Wales and southern Scotland. The month was very dull in most remaining areas, with less than 75 per cent of the normal sunshine. This was the dullest August in Northern Ireland as a whole since 1942 and at Armagh Observatory, with a total of 73.0 hours (55 per cent of average), since 1912. Parts of north-western Scotland also recorded not much more than half their normal sunshine for the month, and Onich, at the western end of the Great Glen, with only 60.2 hours (51 per cent of average), had its dullest August since 1943.

### Fog

Fog was often widespread and persistent around the coasts of northern Scotland and the Northern Isles during the first week, and it also affected the coasts of eastern Scotland, north-east and south-west England, and Wales. Coastal fog continued to occur from time to time throughout the month and hill fog was occasionally reported. Fog along coasts and on hills was frequently associated with precipitation. Over-night fog patches in inland areas mostly occurred during the middle two weeks of the month and usually dispersed around dawn. The fog chiefly affected the Midlands, East Anglia and south-east England, and it was fairly widespread and dense in places in these areas on the night of the 10th/11th.

### Miscellaneous Phenomena

None reported.

**Table 1 District values**

District	air temperature °C					mean 30-cm earth temp °C	rain- days	:ainfall	sun- shine
	Highest Max.*	Lowest Min.*	max.	min.	mean				
0 Scotland N	22.2	3.0	-0.7	0.0	-0.3	-0.3	+1	67	65
1 Scotland E	23.0	1.9	-0.5	+0.7	+0.1	+0.4	+1	92	87
2 England E & NE	25.9	4.0	-1.0	-0.2	-0.6	0.0	+2	98	71
3 East Anglia	25.9	3.8	-0.9	-0.6	-0.8	-0.3	+1	73	89
4 Midland Counties	25.4	4.2	-1.1	-0.2	-0.7	-0.3	+2	75	81
5 England SE & Central S	26.4	3.4	-0.8	-0.6	-0.7	-0.5	-2	57	101
6 Scotland W	22.2	1.9	-0.7	+0.3	-0.2	+0.1	+1	83	69
7 England NW & Wales N	24.7	5.2	-1.3	+0.1	-0.6	-0.7	+1	103	72
8 England SW & Wales S	24.6	6.2	-0.9	-0.7	-0.8	-0.3	-5	46	103
N Ireland	21.2	5.1	-0.9	+0.5	-0.2	+0.1	-1	83	64
Scotland	23.0	1.9	-0.6	+0.3	-0.1	+0.1	+1	81	74
England & Wales	26.4	3.4	-1.0	-0.4	-0.7	-0.3	0	75	86

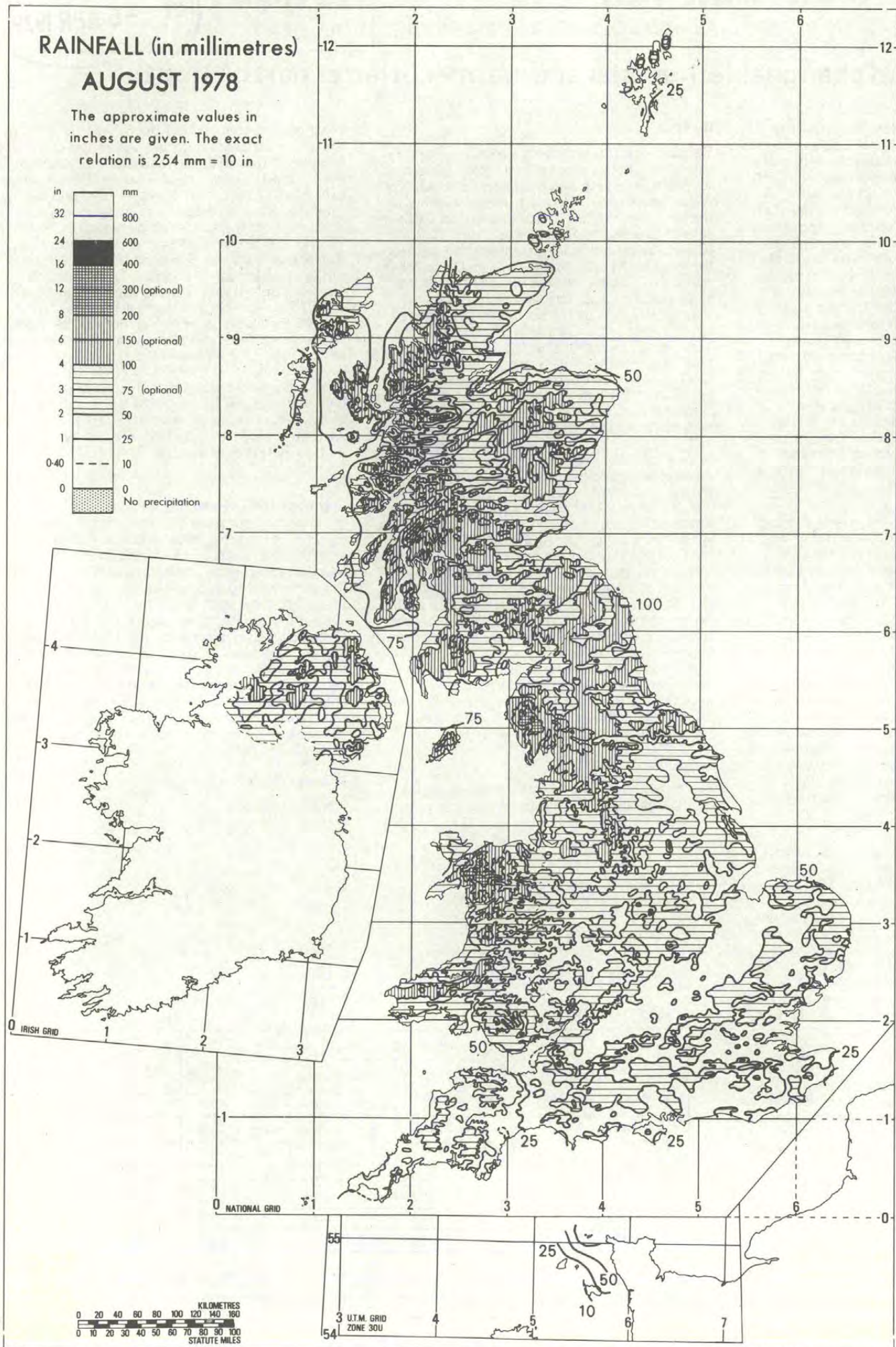
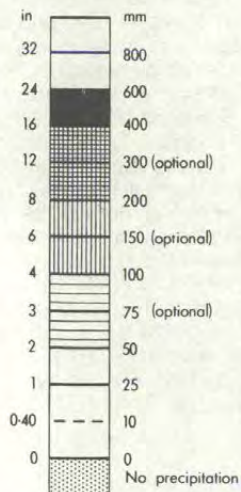
\*Highest maximum and lowest minimum of District Value Stations.



# RAINFALL (in millimetres)

## AUGUST 1978

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





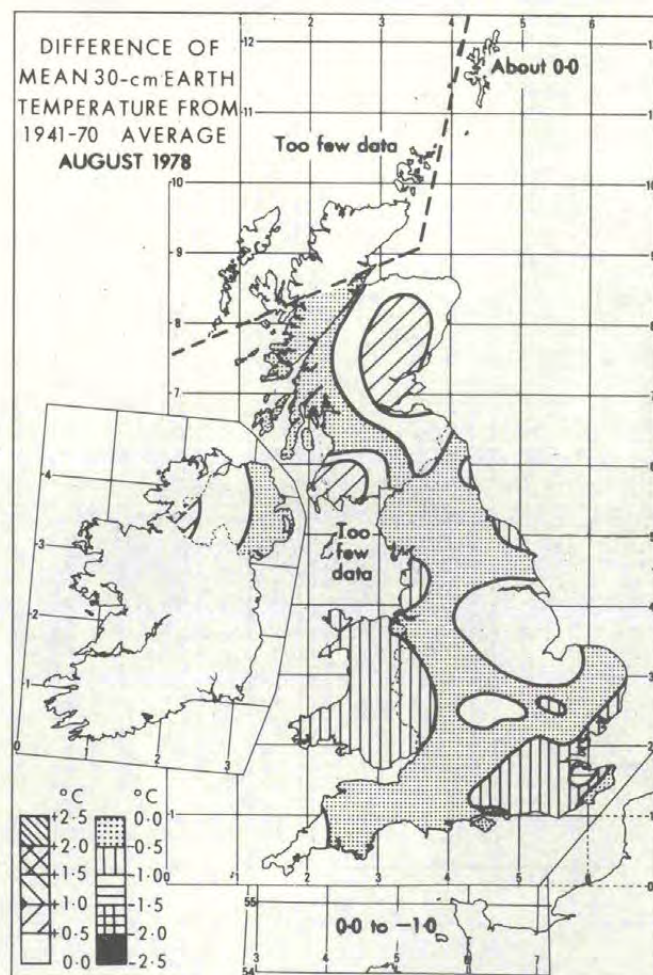
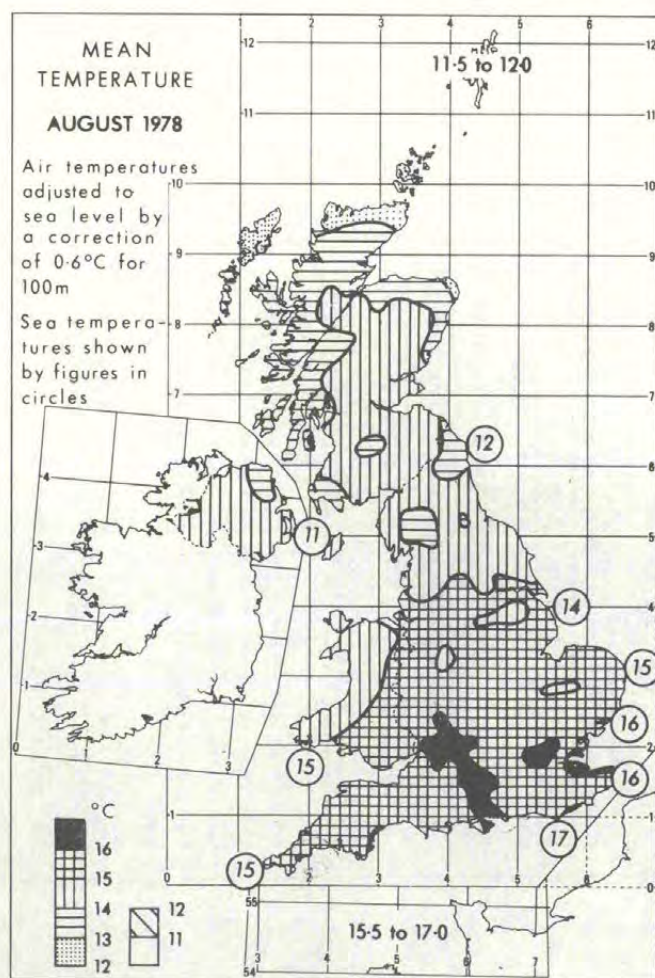
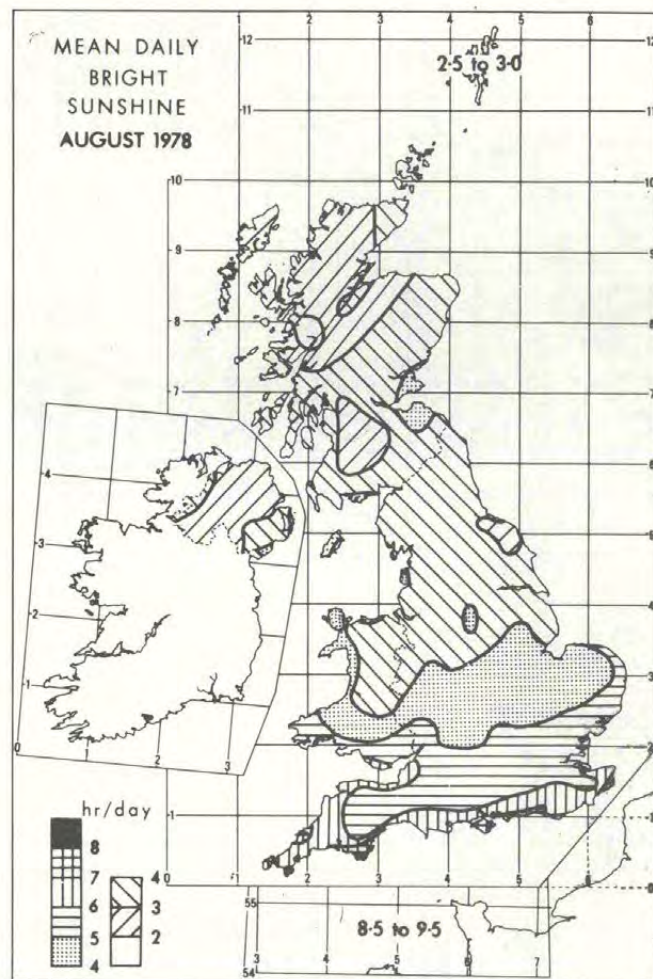
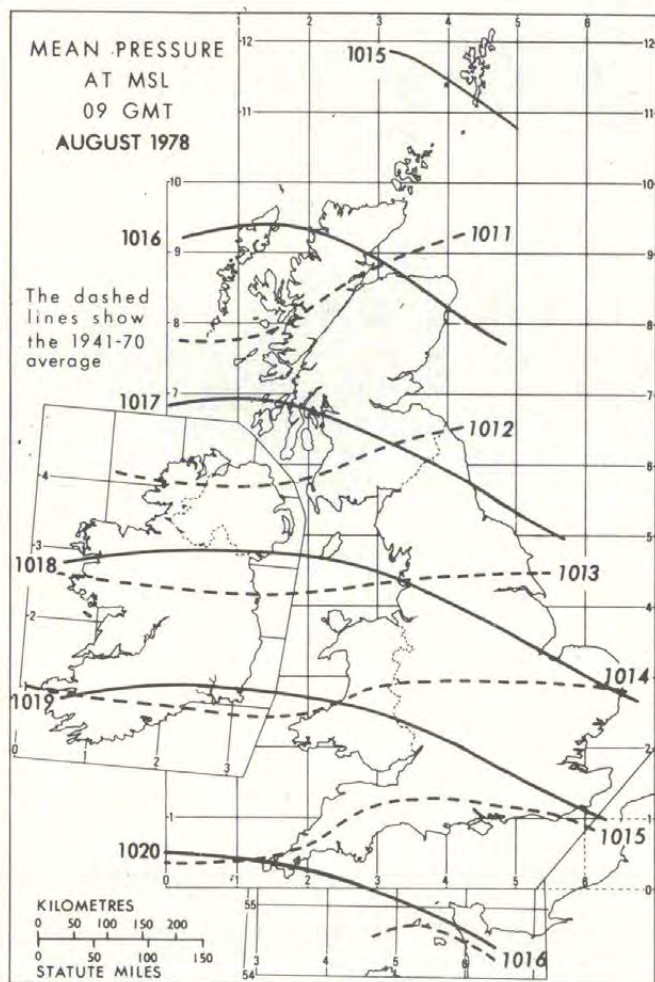




TABLE 2 SOLAR RADIATION

AUGUST 1978

STATION	DAILY GLOBAL IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)						DAILY DIFFUSE IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	21.5	17	3.3	13	10.8	28	11.3	11	3.2	13	7.7	28
ABERDEEN UNIVERSITY	20.0	11	4.2	8	11.5	30						
ESKDALEMUIR												
MOOR HOUSE	23.0	19	2.2	1	10.2	31						
SUTTON BONINGTON												
GRAFHAM WATER												
ABERPORTH	23.2	11	3.7	22	14.0	29	12.0	5	3.7	22	7.9	29
CARDINGTON	21.2	18.19	5.2	31	13.4	31	11.7	14	5.1	31	8.5	31
SILSOE	21.6	17	5.3	31	13.7	31	11.8	5	5.3	31	8.6	31
ROTHAMSTED												
GARSTON												
WALLINGFORD	19.6	17	5.0	31	12.4	31						
LONDON WEATHER CENTRE												
KEM	21.6	18	5.1	12	13.5	29	11.3	5	4.9	9	8.0	29
EASTHAMPTON	22.0	19	6.5	31	14.5	31	10.9	4	5.3	17	8.5	31
EAST MALLING	22.9	18	4.5	12	14.0	31						
RUSTINGTON	24.2	15	6.8	9	16.6	31						
WAREHAM	23.4	17	6.8	9	16.6	31						
JERSEY AIRPORT	25.1	6	5.5	1	19.2	31	13.1	8	4.2	18	8.7	31
ALDERGROVE	22.1	26	2.4	3	11.1	31	11.8	17	2.1	3	7.8	31

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

AUGUST 1978

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	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		
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																							
0 SCOTLAND N																																	
SHETLAND																																	
BALASOUND	9 9	24	13.9	8.7	11.3	-0.8	17.4	20	4.8	30	11.7	-	49	69	18	14	20	10	0	0	0	0	1	0	0	-	0	2.80	73	-	-		
FAIR ISLE	9 9	57	12.8	9.5	11.1	-	14.5	16	6.7	30	11.5	10.6	33	-	9	16	18	9	0	0	0	0	1	4	0	-	-	2.86	-	-	-		
LERWICK	21-9	82																															
PSYCHROMETER			12.9	9.3	11.1	-	15.7	5	6.6	31	-	-	24	-	7	27	15	9	0	0	0	0	1	3	0	0	0	0	2.69	72	-	-	
SCREEN			13.2	9.3	11.3	-0.6	15.9	20	6.6	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ORKNEY																																	
KIRKALL AIRPORT	21-9	26	14.3	9.5	11.9	-0.8	17.7	15.20	5.9	11	-	-	54	72	11	16	20	14	0	0	0	0	2	2	0	0	0	0	2.68	66	-	-	
WEYLAND	9 9	24	14.2	9.9	12.1	-	18.6	20	6.1	11	13.0	-	45	-	9	30	21	16	0	0	0	0	1	4	0	0	0	-	-	-	-	-	
WESTERN ISLES																																	
BENBECULA	21-9	6	15.3	11.1	13.2	-0.2	17.8	11	6.1	30	-	-	45	-	12	18	18	9	0	0	0	0	0	0	0	0	1	0	3.12	63	-	-	
STORNOWAY	21-9	15	14.6	10.3	12.5	-0.4	18.1	11	6.5	30	-	-	65	-	11	4	23	12	0	0	0	0	1	0	0	0	0	0	2.44	56	-	-	
HIGHLAND																																	
ACHARY	9 9	107	15.9	9.4	12.7	-	21.2	18	5.8	25	12.5	-	70	-	17	4	20	15	0	0	0	0	1	0	0	0	-	2.15	-	-	-	-	
ACHNASHELLACH	9 9	67	16.8	10.1	13.5	+0.2	21.7	11	4.3	26	-	-	92	59	23	28	22	16	0	0	0	0	1	0	0	0	-	-	-	-	-	-	
BALMACARA	9 9	4	16.3	10.8	13.5	-	20.2	11	5.8	30	-	-	83	64	18	15	20	19	0	0	0	0	0	0	0	0	-	-	-	-	-	-	
CAPE WRATH	21-9	112	13.5	10.0	11.7	-0.6	18.8	19	7.0	31	-	-	65	67	13	30	21	15	0	0	0	0	1	8	0	0	0	0	2.77	-	-	-	
CASSLEY	9 9	99	15.9	10.1	13.0	-	23.0	18	6.9	31	-	-	65	-	12	30	25	16	0	0	0	0	0	0	0	0	0	-	-	-	-	-	
CORPACH	9 9	8	-	10.3	-	-	-	-	4.4	30	-	-	90	-	16	18	18	16	0	0	0	0	0	0	0	0	0	-	-	-	-	-	
CRAIGDARROCH	9 9	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DALCROSS	9 9	11	16.5	10.6	13.5	-	21.2	18	6.9	10.12	-	-	63	-	11	15	20	13	-	0	-	-	-	0	0	0	-	-	-	-	-	-	
DALWHINNIE	9 9	351	15.2	(8.2)	(11.7)	-	18.0	15	1.8	30	-	-	63	-	14	2	21	17	0	0	0	0	1	2	0	2	-	2.67	-	-	-	-	
DIABAIG	9 9	60	15.7	11.0	13.3	-	22.2	11	6.5	30	-	-	128	-	55	28	24	17	0	0	0	0	2	-	0	-	-	-	-	-	-	-	
DOUNREAY	9 9	21	15.2	10.2	12.7	-	21.2	18	7.5	11.31	-	-	54	67	10	31	19	13	0	0	0	0	0	2	0	0	0	0	3.08	-	-	-	-
FORT AUGUSTUS	9 9	21	17.4	10.6	14.0	+0.1	21.8	11	4.2	26	-	-	48	-	8	15	19	13	0	0	0	0	1	0	0	0	-	2.99	81	-	-	-	
FORTROSE	9 9	5	15.6	11.7	13.7	-0.3	18.9	19	8.2	30	-	-	48	60	11	15	18	10	-	-	-	-	2	-	-	-	-	2.73	67	-	-	-	
GEISGEIL	9 9	12	(15.0)	10.4	(12.7)	-	21.4	18	7.4	26	-	-	64	-	14	30	20	18	-	-	-	-	-	0	-	-	-	2.46	-	-	-	-	
GLENMORE LODGE	9 9	341	15.5	8.6	12.1	-	19.3	20	4.7	30	-	-	155	145	42	4	21	18	0	0	0	0	1	2	0	0	0	0	2.71	-	-	-	-
GRANTOWN-ON-SPEY	9 9	229	16.2	8.9	12.5	-	20.6	20	3.7	12	-	-	86	-	13	4	22	15	0	0	0	0	1	0	0	2	-	2.62	-	-	-	-	
HEASTE	9 9	109	15.4	9.9	12.7	-	20.1	11	4.3	30	-	-	102	-	18	4	22	18	0	0	0	0	0	1	0	0	0	-	-	-	-	-	
INVERNESS	9 9	4	17.0	11.2	14.1	-	20.9	18	8.4	26.31	-	-	74	87	18	4	17	12	0	0	0	0	1	0	0	0	-	3.01	-	-	-	-	
INVERPOLLY	9 9	14	15.7	10.8	13.3	-	23.0	18	6.1	30	13.5	-	76	-	21	28	22	17	0	0	0	0	1	-	0	-	-	-	-	-	-	-	
ISLE OF RHUM	9 9	5	16.5	10.6	13.5	-	19.2	11	6.1	30	15.4	14.1	118	57	19	13	22	12	0	0	0	0	0	0	0	0	-	-	-	-	-	-	
KEISS	9 9	30	14.7	9.6	12.1	-	19.4	20	5.3	26	13.6	12.6	51	-	7	30	19	10	0	0	0	0	1	1	0	0	0	-	3.59	-	-	-	
KNOCKANROCK	9 9	244	14.3	9.5	11.9	-	21.8	18	5.2	30	-	-	128	86	29	28	26	23	0	0	0	0	2	4	0	0	0	-	-	-	-	-	-
LAGGANLIE	9 9	250	16.2	9.1	12.7	-	19.8	2	2.9	26	-	-	86	-	17	2	20	12	0	0	0	0	1	0	0	0	0	-	-	-	-	-	
LAIRG	9 9	107	16.2	9.4	12.8	-	21.2	18	4.5	15	12.8	11.2	62	-	21	15	18	13	0	0	0	0	0	0	0	0	-	-	-	-	-	-	
LENTNAN	9 9	146	16.1	9.6	12.9	-	20.0	14	5.2	30	11.9	-	103	-	34	4	19	14	0	0	0	0	1	1	0	0	-	-	-	-	-	-	
NATIRN	9 9	6	16.1	10.2	13.1	-0.6	21.2	18	4.1	10	-	-	77	96	18	15	18	16	0	0	0	0	1	0	0	1	-	3.24	79	-	-	-	
ONICH	9 9	15	17.3	9.9	13.6	-0.1	22.2	11	3.0	30	-	-	83	50	15	13	21	17	-	-	-	-	2	0	1	-	-	1.94	-	-	-	-	
POOLEWE	9 9	6	15.7	10.8	13.3	-	21.1	18	4.8	30	-	-	101	-	27	28	25	18	0	0	0	0	1	0	0	0	-	2.35	-	-	-	-	
PRABOST	9 9	67	15.7	10.2	12.9	-	19.9	11	5.6	30	-	-	98	74	23	4	23	18	0	0	0	0	0	0	0	0	-	2.09	-	-	-	-	
STRATHCONON	9 9	107	17.2	9.6	13.4	-	21.6	18	4.9	30	-	-	70	-	27	4	19	12	0	0	0	0	0	0	-	-	-	-	-	-	-	-	
TARBATNESS	21-9	18	15.8	10.6	13.2	-0.2	21.2	20	7.0	31	-	-	45	-	7	6	16	11	0	0	0	0	1	0	0	-	-	-	-	-	-	-	
TOMATIN	9 9	311	-	-	-	-	-	-	-	-	-	-	82	-	19	15	21	17	0	0	0	0	1	-	-	-	-	-	-	-	-	-	
TORRISDALE	9 9	27	15.2	10.0	12.6	-	21.2	18	7.4	31	-	-	55	-	10	15.30	23	15	0	0	0	0	1	2	0	0	-	2.69	-	-	-	-	
WICK	21-9	36	14.8	9.8	12.3	-0.3	19.1	20	6.0	26	-	-	42	55	12	16	19	13	0	0	0	0	1	2	0	0	0	-	3.42	78	-	-	



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE			MAX. MIN.	TERMINAL HEIGHT 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 AMOUNT (MM)	DATE	PRECIP- ITATION 0-2 MM OR MORE 1-0 MM OR MORE	SNOW OR SLEET 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. MIN.	DATE	MAX. MIN.	DATE																			
1 SCOTLAND E																																
GRAMPIAN																																
ABERDEEN																																
DYCE AIRPORT ... ..																																
BALMORAL ... ..																																
BANCHORY ... ..																																
BANFF ... ..																																
BREMAR ... ..																																
CLASHNOIR ... ..																																
CRAIBSTONE ... ..																																
CULTERTY ... ..																																
ELGIN ... ..																																
FOREHILL ... ..																																
FORRES ... ..																																
FRASERBURGH ... ..																																
FYVIE CASTLE ... ..																																
GARTLY ... ..																																
GLENLIVET ... ..																																
INVERURIE ... ..																																
KEITH ... ..																																
KINLOSS ... ..																																
LOSSIEMOUTH ... ..																																
TAYSIDE																																
ARBROATH ... ..																																
ARDALNAIG ... ..																																
DALL ... ..																																
DRUMMOND CASTLE ... ..																																
DUNDEE ... ..																																
FASKALLY ... ..																																
KINDROGAN ... ..																																
KINROSS ... ..																																
MONTROSE ... ..																																
MYLNEFIELD ... ..																																
PERTH ... ..																																
STRATHALLAN ... ..																																
USAN ... ..																																
WHITEHILLOCKS ... ..																																
FIFE																																
BELLISTON ... ..																																
CUPAR ... ..																																
GLENROTHES ... ..																																
LEUCHARS ... ..																																
PITREAVIE ... ..																																
ST ANDREWS ... ..																																
LOTHIAN																																
BUSH HOUSE ... ..																																
DUNBAR ... ..																																
EDINBURGH																																
EAST CRAIGS ... ..																																
ROYAL BOTANIC GARDEN																																
ROYAL OBSERVATORY																																
BLACKFORD HILL ... ..																																
TURNHOUSE AIRPORT ... ..																																
HADDINGTON ... ..																																
LIVINGSTON ... ..																																
NUNRAM ABBEY ... ..																																
PATHHEAD ... ..																																
PENICUIK ... ..																																
BORDERS																																
BLYTH BRIDGE ... ..																																
BLYTHE ... ..																																
BONCHESTER BRIDGE ... ..																																
BOWHILL (SELKIRK) ... ..																																
FLOORS CASTLE ... ..																																
GALASHIELS ... ..																																
GLENTRESS ... ..																																
GREYCROOK ... ..																																
KELSO ... ..																																
LEITHOLM ... ..																																
ST ABBS HEAD ... ..																																
STANHOPE FARM ... ..																																
WEST LINTON ... ..																																
WHITCHESTER ... ..																																



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

AUGUST 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. MIN. OF OBSERVATION	TERMINAL 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 AMOUNT (MM)	DATE	PRECIP- ITATION 0-2 MM OR MORE 1-0 MM OR MORE OR SLEET	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																						
6 SCOTLAND W																																
STRATHCLYDE																																
ACHAGLACHGACH ...	9 9	12	16.6	10.4	13.5	-	20.3	1	5.0	30	-	-	137	99	120	20	24	16	0	0	0	0	0	0	0	0	0	0	-			
AROS ...	9 9	37	16.8	10.4	13.6	-	20.7	1	4.0	30	-	-	97	-	17	4	21	18	0	0	0	0	0	0	0	0	0	0	-			
RUCHINCRIE ...	9 9	45	16.5	11.1	13.8	-0.4	20.4	2	5.7	26	14.5	13.4	94	102	15	6	18	14	0	0	0	0	0	0	0	0	0	0	3.14	66		
BENMORE (YOUNGER BOTANIC GARDEN)	9 9	12	16.9	11.0	13.9	-	20.1	1	5.3	30	16.1	-	161	86	22	18	23	19	0	0	0	0	0	0	0	0	0	0	0	-		
BRODICK CASTLE ...	9 9	15	17.6	11.0	14.3	-	20.0	1.26	6.5	26	16.3	-	89	57	14	18	19	16	0	0	0	0	0	0	0	0	0	0	0	-		
CAMPS RESERVOIR ...	9 9	295	15.1	9.1	12.1	-	18.9	20	3.7	10	-	-	77	72	12	21	22	18	0	0	0	0	0	0	0	0	0	0	0	2.54		
CARNATH ...	9 9	208	16.2	9.0	12.6	-	20.8	20	1.1	26	13.6	-	91	106	13	15	22	15	0	0	0	0	0	0	0	0	0	0	0	-		
CORTBRIDGE ...	9 9	66	16.9	10.7	13.8	-	21.0	26	6.0	26	-	-	95	110	13	21	20	18	0	0	0	0	0	0	0	0	0	0	0	-		
COLONSAY ...	9 9	35	15.8	11.2	13.5	-	19.4	1	8.2	30	-	-	71	-	16	11	22	13	0	0	0	0	0	0	0	0	0	0	0	-		
CRAIGHOUSE ...	9 9	4	16.1	10.5	13.3	-	19.3	1	6.0	11	-	-	96	-	18	20	20	13	0	0	0	0	0	0	0	0	0	0	0	-		
CRAWFORD JOHN ...	9 9	274	15.5	9.2	12.3	-	20.0	20	1.8	26	13.8	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0	2.25		
CUMNOCK ...	9 9	99	16.6	9.9	13.3	-	21.0	2	4.0	26	15.3	-	67	-	13	21	22	13	0	0	0	0	0	0	0	0	0	0	0	2.71		
DUNSTAFFRAE ...	9 9	3	16.5	11.1	13.8	-	19.6	11	6.3	11.26	-	-	89	-	12	13	21	17	0	0	0	0	0	0	0	0	0	0	0	-		
EAST KILBRIDE ...	9 9	178	16.3	10.5	13.4	-	19.8	26	6.2	26	-	-	91	-	18	21	24	17	0	0	0	0	0	0	0	0	0	0	0	2.82		
GIRVAN ...	9 9	8	17.0	11.8	14.4	-	20.1	11	8.5	26	-	-	77	103	11	21	21	16	0	0	0	0	0	0	0	0	0	0	0	3.51		
GLASGOW																																
ABBOTSLINCH AIRPORT ...	21-9	5	17.5	10.8	14.1	-0.4	21.1	11	4.9	26	-	-	102	-	19	14	21	13	0	0	0	0	0	0	0	0	0	0	0	2.79	61	
SPRINGBURN PARK ...	9 9	107	16.7	11.0	13.9	-0.4	20.5	26	7.4	30	-	-	114	110	18	14	21	15	0	0	0	0	0	0	0	0	0	0	0	2.75	65	
WEATHER CENTRE (X)	21-9	40	17.4	12.2	14.8	-	20.7	11	9.1	31	-	-	92	-	15	14	19	15	0	0	0	0	0	0	0	0	0	0	0	0	2.64	
GREENOCK ...	9 9	61	-	-	-	-	-	-	-	-	-	-	103	86	18	14	16	13	-	-	-	-	-	-	-	-	-	-	-	3.05	66	
HELENSBURGH ...	9 9	96	16.3	10.4	13.3	-0.8	19.2	26	6.3	26	-	-	130	110	31	14	20	16	0	0	0	0	0	0	0	0	0	0	0	0	3.05	
HUNTERSTON ...	9 9	8	16.3	11.9	14.1	-	18.6	11.26	8.5	27	-	-	114	-	15	21	17	15	0	0	0	0	0	0	0	0	0	0	0	0	-	
KILDONAN ...	9 9	18	16.3	10.9	13.6	-	19.0	26	8.2	26	-	-	91	-	14	14	22	15	0	0	0	0	0	0	0	0	0	0	0	0	3.62	
KNAPDALE FOREST ...	9 9	12	16.4	10.2	13.3	-	20.1	2	5.0	11	-	-	102	-	19	18	18	16	0	0	0	0	0	0	0	0	0	0	0	0	-	
LEADHILLS ...	9 9	388	14.7	8.6	11.7	-	18.4	20	2.2	30	-	-	99	73	19	21	22	17	0	0	0	0	0	0	0	0	0	0	0	0	-	
MACHRIHANISH ...	21-9	10	15.6	11.3	13.5	-	18.6	2	7.7	26	-	-	85	90	22	14	15	11	0	0	0	0	0	0	0	0	0	0	0	0	3.45	
MILLPORT ...	9 9	5	16.4	11.5	13.9	-	19.4	26	8.5	26	-	-	113	111	17	20	19	16	0	0	0	0	0	0	0	0	0	0	0	0	-	
PAISLEY ...	9 9	32	17.6	11.7	14.7	-0.2	20.8	26	8.0	11	15.2	14.0	106	110	24	14	20	15	0	0	0	0	0	0	0	0	0	0	0	0	2.83	63
PRESTWICK ...	21-9	16	16.9	11.0	13.9	-	20.9	11	5.0	26	-	-	109	117	20	6	19	13	0	0	0	0	0	0	0	0	0	0	0	0	3.14	
RHUVAL ...	21-9	20	14.9	11.1	13.0	-	17.3	20	9.5	5	-	-	78	74	14	21	22	12	0	0	0	0	0	0	0	0	0	0	0	0	-	
ROTHESAY ...	9 9	43	17.0	11.1	14.1	-	19.5	1.8	6.5	30	14.3	12.8	117	99	25	20	22	17	0	0	0	0	0	0	0	0	0	0	0	0	-	
SLOY ...	21-9	12	17.2	11.0	14.1	-	20.8	1	5.1	30	-	-	140	-	19	19	21	17	0	0	0	0	0	0	0	0	0	0	0	0	-	
STRONACHULLIN ...	9 9	2	-	10.9	-	-	-	-	3.2	26	-	-	126	-	27	18	21	16	0	0	0	0	0	0	0	0	0	0	0	0	-	
TIREE ...	21-9	9	15.4	11.3	13.3	-0.3	17.3	12	9.4	26.30	-	-	61	69	9	21	16	9	0	0	0	0	0	0	0	0	0	0	0	0	3.43	65
UPHAMOOR ...	9 9	128	16.4	9.8	13.1	-	19.2	26	4.6	26	-	-	153	-	24	14	22	16	0	0	0	0	0	0	0	0	0	0	0	0	-	
CENTRAL																																
ARROCHMORE ...	9 9	30	17.1	10.5	13.8	-	19.9	11	5.0	30	-	-	126	-	27	14	18	16	-	-	-	-	-	-	-	-	-	-	-	2.93	-	
CALLANDER ...	9 9	107	17.7	9.3	13.5	-	22.2	26	2.5	30	-	-	123	93	18	21	17	17	0	0	0	0	0	0	0	0	0	0	0	0	-	
EARLS HILL ...	21-9	335	15.3	9.1	12.2	-	18.6	26	3.4	30	-	-	117	-	20	21	18	14	0	0	0	0	0	0	0	0	0	0	0	0	3.84	-
FALKIRK ...	9 9	3	17.9	11.1	14.5	-	21.6	26	5.3	30	-	-	71	-	13	21	19	13	0	0	0	0	0	0	0	0	0	0	0	0	3.61	-
GRANGEMOUTH ...	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PARKHEAD ...	9 9	107	17.9	10.3	14.1	-	21.5	26	4.2	30	15.9	-	101	-	19	14	16	15	-	-	-	-	-	-	-	-	-	-	-	-	-	
STIRLING (BATTERFLATS)	9 9	38	18.5	10.4	14.5	-	22.7	26	2.9	30	15.8	14.4	89	-	14	2.21																



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT 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		LOWEST		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																			
2 ENGLAND E & NE -CONTINUED																																			
DURHAM	99	102	17.7	10.6	14.1	-0.5	24.2	19	6.9	30	15.3	14.0	93	125	35	5	16	15	-	0	-	-	-	0	0	0	0	0	0	0	0	0	3.39	73	S
DURHAM ...	99	155	16.9	9.0	12.9	-	23.3	19	4.5	30	13.8	11.9	76	-	21	5	16	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.44	-	-
WIDDYBANK FELL ...	99	513	14.1	8.4	11.3	-	19.9	19	2.7	30	11.3	-	95	-	24	5	19	15	-	0	-	-	-	0	0	0	0	0	0	0	0	0	3.44	-	-
CLEVELAND	99	31	17.8	10.2	14.0	-	24.2	19	6.0	23	-	-	65	100	11	7	17	14	0	0	0	0	0	0	0	0	0	0	0	0	0	2.83	-	-	
HARTBURN GRANGE ...	99	9	17.4	11.6	14.5	-0.7	25.2	19	7.5	30	-	-	94	139	36	5	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	3.13	-	-	
HARTLEPOOL ...	99	9	17.4	11.6	14.5	-0.7	25.2	19	7.5	30	-	-	94	139	36	5	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	3.13	-	-	
NORTH YORKSHIRE	99	33	18.5	10.3	14.4	-	24.4	19	5.5	31	-	-	49	67	7	13	18	12	0	0	0	0	0	0	0	0	0	0	0	0	0	3.38	72	-	
ASKHAM BRYAN ...	99	6	18.2	10.8	14.5	-	25.0	19	6.0	31	15.9	15.2	51	72	7	5	19	14	0	0	0	0	0	0	0	0	0	0	0	0	0	3.55	-	-	
CAMODD ...	99	6	18.2	10.8	14.5	-	25.0	19	6.0	31	15.9	15.2	51	72	7	5	19	14	0	0	0	0	0	0	0	0	0	0	0	0	0	3.55	-	-	
HIGH MOUTHORPE ...	99	175	17.0	10.2	13.6	-	23.5	19	5.9	30	15.0	-	56	69	9	7	20	18	0	0	0	0	0	0	0	0	0	0	0	0	0	2.59	-	-	
LEEMING ...	21-9	32	18.1	11.1	14.6	-	24.7	19	7.5	31	15.3	14.4	72	110	17	5	17	13	0	0	0	0	0	0	0	0	0	0	0	0	0	3.35	-	-	
MALHAM TARN ...	99	395	15.0	9.1	12.1	-0.6	20.5	19	5.4	17.30	13.3	-	117	76	18	15	19	17	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
PICKERING ...	99	44	18.0	10.0	14.0	-	24.2	19	4.8	23	-	-	55	76	7	5	18	14	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
SCARBOROUGH ...	99	52	17.1	11.5	14.3	-	22.7	19	9.0	17.31	15.5	14.6	63	95	11	5	18	13	0	0	0	0	0	0	0	0	0	0	0	0	0	3.16	63	-	
SILPHO MOOR ...	99	203	16.5	9.9	13.2	-	22.7	19	6.3	11	13.3	-	81	90	13	12	18	13	0	0	0	0	0	0	0	0	0	0	0	0	0	2.85	-	-	
SNATZELHOLME ...	99	290	15.4	9.0	12.2	-	21.2	19	2.9	10	13.1	-	126	-	19	5	21	15	0	0	0	0	0	0	0	0	0	0	0	0	0	2.79	-	S	
WHITBY ...	99	41	17.0	11.4	14.2	-	24.3	19	8.2	18	-	-	89	-	16	7	17	14	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
WHITBY(COASTGUARD)	21-9	60	16.1	11.3	13.7	-	23.1	19	8.1	18	-	-	86	-	18	7	17	13	0	0	0	0	0	0	0	0	0	0	0	0	0	2.79	-	-	
YORK(HESLINGTON)	99	19	19.2	11.2	15.2	-	24.7	19	7.5	11	15.6	14.9	53	75	7	9	18	15	0	0	0	0	0	0	0	0	0	0	0	0	0	3.53	-	-	
HUMBERSIDE	99	48	16.8	10.3	13.5	-	20.8	21	6.4	30	-	-	75	95	13	5	17	15	0	0	0	0	0	0	0	0	0	0	0	0	0	3.35	-	-	
BRIDLINGTON ...	99	7	18.6	12.0	15.3	-0.6	24.0	19	8.5	11	-	-	59	95	15	22	16	13	0	0	0	0	0	0	0	0	0	0	0	0	0	3.25	60	-	
CLEETHORPES ...	99	7	18.6	12.0	15.3	-0.6	24.0	19	8.5	11	-	-	59	95	15	22	16	13	0	0	0	0	0	0	0	0	0	0	0	0	0	3.25	60	-	
HULL ...	99	2	19.1	12.0	15.5	-0.6	24.9	19	7.9	30	16.5	15.3	66	92	21	9	19	17	0	0	0	0	0	0	0	0	0	0	0	0	0	3.93	77	-	
LINCOLNSHIRE	21-9	108	17.8	10.7	14.3	-	24.2	19	6.8	31	-	-	62	83	10	22	18	12	0	0	0	0	0	0	0	0	0	0	0	0	0	3.86	-	-	
BINBROOK ...	99	21	18.9	10.4	14.7	-	25.1	19	5.2	17	-	-	50	-	15	22	19	11	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
CAISTON ...	99	62	18.7	10.9	14.8	-0.9	24.3	19	5.9	19	17.0	16.9	60	94	26	2	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	4.30	80	-	
CRANWELL ...	99	4	19.5	10.5	15.0	-	25.7	19	6.6	11	16.2	14.6	38	-	10	2	12	10	0	0	0	0	0	0	0	0	0	0	0	0	0	3.87	-	-	
KIRTON ...	99	6	18.8	10.5	14.7	-1.0	25.3	19	4.0	31	16.4	15.3	54	-	10	9	16	12	0	0	0	0	0	0	0	0	0	0	0	0	0	3.91	-	-	
LINCOLN ...	99	5	18.4	11.8	15.1	-0.6	24.0	19.21	8.2	17.27	-	-	52	79	12	2	12	11	0	0	0	0	0	0	0	0	0	0	0	0	(4.35)	-	-		
SKEGNESS ...	99	4	19.4	10.8	15.1	-	24.8	19	7.2	11.27	-	-	39	61	7	2	10	8	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
SUTTON BRIDGE ...	99	4	19.4	10.8	15.1	-	24.8	19	7.2	11.27	-	-	39	61	7	2	10	8	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
WADDINGTON ...	21-9	68	18.8	11.2	15.0	-0.7	25.2	19	7.5	19	-	-	67	101	19	2	17	12	0	0	0	0	0	0	0	0	0	0	0	0	0	4.33	80	-	
3 EAST ANGLIA																																			
NORFOLK	21-9	17	19.2	11.2	15.2	-	24.6	20	7.5	18	-	-	40	63	14	31	17	8	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
COLTISHALL ...	99	54	18.6	12.0	15.3	-0.6	24.2	19	9.6	27	-	-	56	88	11	8	17	10	0	0	0	0	0	0	0	0	0	0	0	0	0	5.55	99	-	
CRUMER ...	99	2	18.7	12.4	15.5	-0.7	24.0	22	8.2	31	16.6	15.4	52	84	8	15	17	14	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
GORLESTON ...	99	2	18.7	12.4	15.5	-0.7	24.0	22	8.2	31	16.6	15.4	52	84	8	15	17	14	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
MARHAM ...	21-9	23	19.4	11.2	15.3	-	24.2	19	6.4	27	-	-	41	-	7	8	14	12	0	0	0	0	0	0	0	0	0	0	0	0	0	4.87	-	-	
MORLEY ST BOTOLPH ...	99	46	19.3	10.3	14.8	-	25.6	20	5.9	11	16.5	-	49	-	9	8	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	4.67	-	-	
SANTON DOWNHAM ...	99	24	19.6	9.0	14.3	-	25.3	20	1.6	27	15.9	15.0	46	67	7	6	14	12	0	0	0	0	0	0	0	0	0	0	0	0	0	4.58	-	-	
SCOLE ...	99	27	19.9	10.7	15.3	-	26.5	20	5.0	27	16.6	16.4	41	-	8	12	14	12	0	0	0	0	0	0	0	0	0	0	0	0	0	4.79	-	-	
TERRINGTON ST CLEMENT	99	3	20.0	10.5	15.3	-0.6	25.9	19	6.2	27	16.4	-	44	71	9	22	15	9	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
CAMBRIDGESHIRE	99	53	19.7	10.8	15.3	-	25.7	19	6.7	31	-	-	42	67	10	12	13	11	0	0	0	0	0	0	0	0	0	0	0	0	0	4.61	-	-	
BOXMOUTH ...	99	53	19.7	10.8	15.3	-	25.7	19	6.7	31	-	-	42	67	10	12	13	11	0	0	0	0	0</												



[illegible]



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. MIN.	TERMINAL HEIGHT OF OBSERVATION	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)																												
5 ENGLAND SE & CENTRAL S.																																
GREATER LONDON																																
ARCHLEY ...	9	9	65	20.4	12.0	16.2	-0.6	24.5	19.20.21	7.5	31	-	-	37	56	10	2	11	8	-	-	-	-	-	-	-	-	-	-	-	-	-
GREENWICH ...	9	9	7	(20.6)	(12.4)	(16.5)	-	24.8	19	8.9	27	-	-	42	68	13	2	12	9	-	-	-	-	-	-	-	-	-	-	-	-	-
HAMPSTEAD ...	9	9	137	19.6	11.7	15.7	-0.6	24.1	19	6.4	31	-	-	55	81	13	2	12	11	-	-	-	-	-	-	-	-	-	-	-	-	-
HARROGATE ...	9	9	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HARROW HEATH ...	9	9	98	20.2	10.9	15.5	-	24.0	19	5.5	31	17.2	16.1	42	82	25	2	12	9	-	-	-	-	-	-	-	-	-	-	-	-	-
HEATHROW AIRPORT ...	21-9	25	25	20.6	12.1	16.3	-0.7	25.0	21	6.9	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KENSINGTON PALACE ...	9	9	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KEW ...	21-9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PSYCHROMETER ...	9	9	20.0	10.7	15.3	-	24.0	19	6.3	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTH WALL SCREEN ...	9	9	20.5	12.1	16.3	-0.8	24.3	19	8.2	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LONDON																																
WEATHER CENTRE (X)	21-9	77	20.6	13.7	17.1	-	26.0	20	10.3	31	-	-	37	-	9	2	13	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ST JAMES PARK ...	9	9	9	20.8	12.9	16.9	-0.6	25.1	19	9.4	27	-	-	43	69	9	7	14	10	-	-	-	-	-	-	-	-	-	-	-	-	-
SOUTHGATE ...	9	9	67	20.1	(11.7)	(15.9)	(-0.8)	24.5	19	7.4	31	16.3	-	47	73	14	2	12	10	-	-	-	-	-	-	-	-	-	-	-	-	-
WADDON ...	9	9	59	(20.2)	11.6	(15.9)	(-0.8)	24.0	19.20.21	7.0	31	-	-	28	46	10	2	13	7	-	-	-	-	-	-	-	-	-	-	-	-	-
WILTSHIRE																																
BOSCOMBE DOWN ...	21-9	126	19.7	10.7	15.2	-0.7	24.2	19	6.1	31	16.6	14.6	42	62	21	1	13	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LACOCK ...	9	9	49	19.7	10.2	14.9	-	23.7	19	5.0	24	-	-	31	42	11	1	13	7	-	-	-	-	-	-	-	-	-	-	-	-	-
LARKHILL ...	9	9	132	19.7	10.8	15.3	-0.3	24.5	19	6.2	31	-	-	36	50	17	1	12	6	-	-	-	-	-	-	-	-	-	-	-	-	-
LYNEHAM ...	21-5	145	19.1	11.1	15.1	-0.5	24.0	19	8.0	31	-	-	50	67	18	2	12	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PORTON ...	9	9	111	19.6	10.4	15.0	-0.6	23.5	19	4.1	31	16.2	-	52	74	25	1	12	8	-	-	-	-	-	-	-	-	-	-	-	-	-
TROWBRIDGE ...	9	9	37	19.9	10.6	15.3	-	24.9	19	6.0	24	16.7	-	38	-	11	1	12	6	-	-	-	-	-	-	-	-	-	-	-	-	-
UPVAVON ...	21-9	179	19.5	10.9	15.2	-	22.9	19	6.7	31	-	-	46	63	11	1	14	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BERKSHIRE																																
EASTHAMPTON ...	9	9	77	19.9	9.5	14.7	-	23.8	19	1.8	31	15.7	14.7	52	-	11	1	12	8	-	-	-	-	-	-	-	-	-	-	-	-	-
HURLEY ...	9	9	43	19.9	10.6	15.3	-	24.2	19	4.0	31	16.6	-	54	79	14	7	12	10	-	-	-	-	-	-	-	-	-	-	-	-	-
LAMBOURN (WARREN FARM)	9	9	192	19.8	10.1	14.9	-	24.7	19	5.0	31	16.3	-	44	-	12	7	13	11	-	-	-	-	-	-	-	-	-	-	-	-	-
READING ...	9	9	66	19.7	11.1	15.4	-	23.9	19	5.2	31	16.5	15.4	50	-	15	2	12	8	-	-	-	-	-	-	-	-	-	-	-	-	-
SHINFIELD (N.I.R.D.)	9	9	62	20.0	10.9	15.5	-	24.1	19	4.6	31	-	-	44	-	18	2	11	8	-	-	-	-	-	-	-	-	-	-	-	-	-
SURREY																																
WISLEY ...	9	9	32	20.5	10.5	15.5	-1.0	24.1	19	3.4	31	17.0	16.0	51	84	13	9	14	9	-	-	-	-	-	-	-	-	-	-	-	-	-
KENT																																
DOVER R.M.S. ...	9	9	123	18.1	11.7	14.9	-	22.2	19	7.5	31	-	-	22	29	7	5	12	5	-	-	-	-	-	-	-	-	-	-	-	-	-
DUNGENESS ...	9	9	6	18.7	12.5	15.6	-	22.0	19	6.2	31	-	-	43	71	19	7	12	7	-	-	-	-	-	-	-	-	-	-	-	-	-
EAST MALLING ...	9	9	52	20.1	11.1	15.6	-0.5	24.8	22	5.2	31	17.1	16.0	19	30	6	7	10	7	-	-	-	-	-	-	-	-	-	-	-	-	-
EDENBRIDGE ...	9	9	45	20.0	10.4	15.2	-	23.8	21	3.8	31	-	-	32	-	7	9	11	7	-	-	-	-	-	-	-	-	-	-	-	-	-
ELMSTONE ...	9	9	5	20.6	10.3	15.5	-	26.2	20	5.4	27	-	-	16	28	6	1	10	6	-	-	-	-	-	-	-	-	-	-	-	-	-
FAVERSHAM ...	9	9	48	20.0	11.4	15.7	-	25.4	20	7.2	27	16.2	15.7	33	50	11	9	10	8	-	-	-	-	-	-	-	-	-	-	-	-	-
FOLKESTONE ...	9	9	31	18.8	11.3	15.1	-	22.7	19	5.4	27	-	-	35	57	13	7	14	9	-	-	-	-	-	-	-	-	-	-	-	-	-
GILLINGHAM ...	9	9	3	21.0	12.3	16.7	-	26.5	20	7.5	31	-	-	41	72	6	1	13	11	-	-	-	-	-	-	-	-	-	-	-	-	-
GOUDHURST ...	9	9	85	19.3	10.8	15.1	-0.6	23.7	20	3.1	31	-	-	19	25	5	1	13	7	-	-	-	-	-	-	-	-	-	-	-	-	-
HADLOW COLLEGE ...	9	9	27	20.1	10.4	15.3	-	24.2	20	4.5	31	16.6	15.8	34	-	14	9	12	7	-	-	-	-	-	-	-	-	-	-	-	-	-
HERNE BAY ...	9	9	31	20.1	11.8	16.0	-	26.5	20	7.5	27	17.2	-	25	-	7	1	11	7	-	-	-	-	-	-	-	-	-	-	-	-	-
MANSTON ...	21-9	44	20.0	12.3	16.1	-	26.2	20	8.8	27	-	-	24	45	5	1	12	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARGATE ...	9	9	16	19.7	12.8	16.7	-0.4	26.4	20	11.0	27	17.5	16.3	18	35	4	1	11	7	-	-	-	-	-	-	-	-	-	-	-	-	-
ULCOMBE ...	21-9	47	20.3	10.3	15.3	-	25.1	20	3.9	31	-	-	28	-	7	1	11	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WYE ...	9	9	56	19.8	10.6	15.2	-1.1	24.8	20	5.2	27	16.6	15.6																			



DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (HOUR) 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		50 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION	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	ORLE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE EXPOSURE
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																				
7A ENGLAND NW & I.O.M.																														
CUMBRIA																														
CARLISLE ...	21-9	26	17.8	11.0	14.4	-	22.7	19	6.2	10.30	15.9	15.0	59	58	16	14	15	13	0	0	0	0	0	0	0	0	0	0	3.83	-
CARTMEL ...	9 9	35	17.4	10.7	14.1	-	22.3	19	5.7	10	-	-	129	-	27	13	19	15	0	0	0	0	0	0	0	0	0	0	-	-
GRIZEDALE ...	9 9	91	17.8	9.0	13.4	-	22.2	19	4.9	10	14.5	-	161	94	42	13	18	17	0	0	0	0	0	0	0	0	0	0	-	-
MOOR HOUSE ...	9 9	556	13.5	7.8	10.7	-	18.7	19	0.4	26	11.3	-	117	62	19	5	19	15	0	0	0	0	0	0	0	0	0	0	3.20	-
NEWTON RIGG ...	9 9	171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SELLAFIELD ...	9 9	13	(17.1)	(12.4)	(14.7)	-	21.7	2	(8.0)	30	-	-	131	138	25	13	18	16	-	-	-	-	-	-	-	-	-	-	(3.63)	-
LANCASHIRE																														
HAZELRIGG ...	9 9	95	16.7	11.6	14.1	-	22.9	19	7.2	10	-	-	152	-	55	5	17	16	0	0	0	0	0	0	0	0	0	0	3.27	-
HELMESHORE ...	9 9	260	15.9	10.8	13.3	-	21.9	19	7.3	30.31	13.8	-	92	61	13	14	17	15	0	0	0	0	0	0	0	0	0	0	3.55	-
KIRKHAM ...	9 9	24	17.3	11.9	14.6	-	23.9	19	8.3	10	-	-	85	82	30	5	17	13	0	0	0	0	0	0	0	0	0	0	3.53	-
MORECAMBE ...	9 9	7	17.9	12.9	15.4	-0.3	23.6	19	9.9	10.30.31	-	-	119	119	28	5	17	15	0	0	0	0	0	0	0	0	0	0	3.79	72
PRESTON ...	9 9	33	17.6	12.0	14.8	-	23.9	19	8.4	10	-	-	79	70	28	5	19	13	0	0	0	0	0	0	0	0	0	0	-	-
SLAIBURN ...	9 9	192	17.0	10.3	13.7	-	22.5	19	4.7	10	-	-	114	76	25	5	20	17	0	0	0	0	0	0	0	0	0	0	3.61	-
SQUIRES GATE AIRPORT ...	21-9	10	17.7	12.5	15.1	-0.4	24.1	19	8.1	26	-	-	73	76	15	2	18	14	0	0	0	0	0	0	0	0	0	0	4.16	73
STONYHURST ...	9 9	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERSEYSIDE																														
ALBURNTH ...	9 9	12	18.1	13.0	15.5	-	23.4	19	9.6	31	-	-	101	-	23	6	16	14	0	0	0	0	0	0	0	0	0	0	-	-
BIDSTON ...	9 9	60	17.1	12.6	14.9	-	23.8	19	10.2	17	-	-	104	-	24	2	17	15	0	0	0	0	0	0	0	0	0	0	3.61	-
ST HELENS ...	9 9	76	18.2	11.8	15.0	-	25.3	19	8.6	17	(16.8)	-	91	-	13	14	17	13	0	0	0	0	0	0	0	0	0	0	3.71	-
SOUTHPORT ...	9 9	5	17.5	11.9	14.7	-0.8	24.0	19	8.3	10	15.7	13.5	84	90	18	5	18	13	-	-	-	-	-	-	-	-	-	-	3.77	67
WEST KIRBY PARK ...	9 9	7	18.7	13.1	15.9	-0.2	24.6	19	10.8	26	-	-	87	114	26	2	16	14	-	-	-	-	-	-	-	-	-	-	-	-
GREATER MANCHESTER																														
BOLTON ...	9 9	107	17.2	11.3	14.3	-	23.0	19	6.2	17	14.7	13.8	78	-	15	14	19	13	0	0	0	0	0	0	0	0	0	0	3.18	67 S
MANCHESTER ...	21-9	75	17.8	12.0	14.9	-0.6	24.1	19	8.1	31	-	-	72	79	12	7	17	13	0	0	0	0	0	0	0	0	0	0	3.64	74
RINGWAY AIRPORT ...	21-9	69	18.1	12.7	15.4	-	24.9	19	9.5	31	-	-	79	-	10	14	16	13	0	0	0	0	0	0	0	0	0	0	3.22	-
CHESHIRE																														
KNUTSFORD ...	9 9	65	(18.4)	(11.2)	(14.8)	-	24.5	19	7.4	17	(16.2)	(15.4)	78	88	11	14	17	(14)	-	0	-	-	-	-	-	-	-	-	-	-
MACCLESFIELD ...	9 9	152	17.3	11.4	14.3	-0.9	24.4	19	7.0	31	-	-	108	114	17	7	19	16	0	0	0	0	0	0	0	0	0	0	-	-
NESS GARDENS ...	9 9	30	18.1	11.9	15.0	-	23.8	19	8.7	17	15.9	-	98	137	32	8	19	14	0	0	0	0	0	0	0	0	0	0	3.34	- S
ISLE OF MAN																														
DOUGLAS ...	9 9	85	16.2	11.6	13.9	-0.4	20.2	2	8.2	17	-	-	101	100	17	19	18	12	0	0	0	0	0	0	0	0	0	0	3.97	67
POINT OF AYRE ...	21-9	9	17.5	11.9	14.7	-0.4	24.0	21	7.0	11	-	-	76	92	14	13	16	11	0	0	0	0	0	0	0	0	0	0	4.40	75
RONALDSWAY AIRPORT ...	21-9	16	16.3	11.7	14.0	-0.5	20.8	2	6.6	11	-	-	87	113	16	5	15	13	0	0	0	0	0	0	0	0	0	0	4.15	72
7B WALES N																														
Gwynedd																														
BALA ...	9 9	163	17.3	9.7	13.5	-	22.8	19	3.2	26	15.6	15.0	80	77	14	14	18	14	0	0	0	0	0	0	0	0	0	0	3.88	-
BARDSEY ISLAND ...	21-9	15	15.9	12.7	14.3	-	18.5	12.12	11.0	8	-	-	73	96	20	13	13	7	0	0	0	0	0	0	0	0	0	0	-	-
BETHS-Y-COED ...	9 9	20	-	(10.3)	-	-	-	-	4.6	26	-	-	120	-	41	5	17	12	0	0	0	0	0	0	0	0	0	0	-	-
BOTHNOD ...	9 9	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHWYSTRODLYN ...	9 9	204	16.3	11.0	13.7	-	20.0	19	7.5	17	-	-	251	-	70	13	19	15	-	-	-	-	-	-	-	-	-	-	4.24	-
LLYN ALW ...	9 9	44	17.1	11.2	14.1	-	21.5	19	7.0	10	-	-	75	-	21	13	18	11	-	-	-	-	-	-	-	-	-	-	4.02	-
PEN-Y-FFRIDD ...	9 9	84	17.4	11.4	14.4	-	22.8	19	8.2	26	-	-	101	104	25	13	17	14	0	0	0	0	0	0	0	0	0	0	3.82	- S
TRANSFYNYDD ...	9 9	193	(16.5)	(10.7)	(13.6)	-	21.7	19	7.2	17	-	-	176	119	32	14	17	16	-	-	-	-	-	-	-	-	-	-	-	-
VALLEY ...	21-9	10	16.8	12.2	14.5	-0.8	20.4	2.19	7.9	17	-	-	70	91	21	13	15	11	0	0	0	0	0	0	0	0	0	0	4.28	73
CLWYD																														
ALWEN ...	9 9	335	15.8	8.4	12.1	-	22.3	19	2.0	26	-	-	112	100	24	5	19	15	-	0	-	-	-	-	-	-	-	-	-	-
BWLCHGWYN ...	9 9	386	15.4	9.7	12.5	-	21.0	19	6.8	17	12.5	-	84	89	19	2	20	14	0	0	0	0	0	0	0	0	0	0	-	-
COLWYN BAY ...	9 9	18	17.0	12.2	14.6	-	23.5	19	9.5	17	15.7	-	133	202	48	2	17	14	0	0	0	0	0	0	0	0	0	0	4.20	76
CORRY ...	9 9	144	17.6	9.4	13.5	-	23.8	19	2.4	26	-	-	78	86	17	8	19	13	0	0	0	0	0	0	0	0	0	0	-	-
HAWARDEN BRIDGE ...	9 9	5	19.0	11.7	15.3	-0.7	24.7	19	8.7	11	-	-	92	139	35	8	17	14	0	0	0	0	0	0	0	0	0	0	-	-
LOGGERHEADS ...	9 9	210	16.7	10.2	13.5	-	23.0	19	5.9	11	14.6	13.9	111	136	26	5	18	16	0	0	0	0	0	0	0	0	0	0	3.31	- S
PRESTATYN ...	9 9	4	17.3	12.8	15.1	-0.8	24.8	19	10.2	17	-	-	96	141	42	2	18	13	0	0	0	0	0	0	0	0	0	0	3.59	71
RUTHIN ...	9 9	76	17.7	11.0	14.3	-	23.3	19	6.3	26	-	-	80	120	20	2	18	14	0	0	0	0	0	0	0	0	0	0	3.59	-
POWYS(NORTH)																														
HOPE ...	9 9	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LAKE VYRNWY ...	9 9	303	16.3	9.5	12.9	-0.8	21.5	19	5.2	17	13.9	-	87	65	27	14	19	13	0	0	0	0	0	0	0	0	0	0	-	-
LLANFAIR CAEREINION ...	9 9	236	17.8	10.3	14.1	-	23.0	19	7.2	27	15.1	-	79	-	21	1	18	12	0	0	0	0	0	0	0	0	0	0	-	-
MOEL CYNNEO ...	9 9	358	16.1	8.0	12.1	-	21.6	19	2.3	23	13.1	-	120	-	45	14	18	14	0	0	0	0	0	0	0	0	0	0	-	-
8A WALES S																														
DYFED																														
ABERPORTH ...	21-9	134	16.2	11.5	13.9	-1.0	22.0	19	8.6	11	-	-	61	79	32	14	13	9	0	0	0	0	0	0	0	0	0	0	4.55	81
ABERYSTWYTH ...	9 9	4	-	-	-	-	-	-	-	-	-	-	72	72	31	14	16	11	0	0	0	0	0	0	0	0	0	0	-	-
BRANDY ...	21-9	111	16.2	11.1	13.7	-	19.5	19	7.9	11.24	-	-	111	-	36	14	12	10	0	0	0	0	0	0	0	0	0	0	5.38	-
BRYNAMMAN ...	21-9	183	17.8	10.9	14.3	-	23.3	19	6.5	17	-	-	65	-	13	14	16	12	0	0	0	0	0	0	0	0	0	0	-	-
CARMARTHEN ...	9 9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHWYSTWYTH ...	9 9	301	16.0	9																										



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

[illegible]



[illegible]



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

AUGUST 1978

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)	WET BULB (DEGREES C)	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS							0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE										N	NE	E	SE	S	SW	W	NW		
										SPEED (KT)																																				
NUMBER OF OBSERVATIONS																																														
0 SCOTLAND N SHETLAND																																														
FAIR ISLE	61	9	1015.2	-	11.1	0.7	12.1	91	6.4	0	3	3	17	5	3	0	0	3	0	1	4	1	4	7	3	8	0	3	16	7	5	6	3	3	1	3	2	4	6	4	2	5				
		15	1015.1	-	11.7	0.8	12.4	90	6.5	0	3	4	12	8	4	0	0	1	2	4	6	1	3	6	4	4	0	4	19	6	5	6	3	3	1	3	6	0	6	4	2	5				
		21	1015.3	-	10.5	0.6	11.8	92	7.1	0	1	2	13	10	5	0	0	5	0	7	1	2	7	5	4	0	5	11	10	5	6	4	1	3	2	1	4	4	5							
LERWICK	83	3	1014.7	-	10.0	0.5	11.6	94	7.5	0	0	1	9	17	4	0	2	1	1	0	1	4	6	13	3	0	0	14	15	2	7	3	0	1	7	2	4	4	5	4	6	7				
		9	1014.9	+4.5	11.2	0.9	12.0	90	6.9	0	0	5	14	10	2	0	2	1	0	1	2	4	2	11	8	0	2	14	15	0	5	5	0	3	6	4	1	5	4	6	7					
		15	1014.9	-	11.8	1.3	12.0	86	6.5	0	2	5	15	5	4	0	0	3	2	0	1	4	1	11	8	0	2	14	15	0	5	4	0	3	7	1	5	4	6	7						
ORKNEY	21	3	1015.1	-	10.1	0.6	11.5	92	7.2	0	0	2	14	11	4	0	4	0	2	0	4	6	9	4	0	0	13	16	2	5	4	0	1	5	3	4	4	7								
		9	1015.5	-	10.3	0.4	12.0	95	6.7	0	2	4	10	12	3	0	2	0	2	0	2	2	6	12	5	0	1	12	16	2	6	1	0	4	4	3	8	3	4	4	6	7				
		15	1015.7	+5.1	12.5	1.0	12.7	88	6.4	0	3	4	13	9	2	0	1	0	1	0	0	7	4	9	9	0	2	18	10	1	6	2	2	3	6	0	5	4	5							
KIRKALL	26	3	1015.7	-	13.2	1.4	12.8	84	6.8	0	2	2	16	11	0	0	0	0	0	0	1	7	5	8	10	0	1	15	15	0	5	4	3	6	0	5	4	5								
		9	1015.8	-	10.9	0.5	12.2	93	6.8	0	1	3	14	10	3	0	0	2	2	1	1	4	2	11	8	0	0	10	19	2	4	1	2	3	6	3	5	4	5							
		15	1015.7	-	13.2	1.4	12.8	84	6.8	0	2	2	16	11	0	0	0	0	0	0	1	7	5	8	10	0	1	15	15	0	5	4	3	6	0	5	4	5								
21		1015.8	-	10.9	0.5	12.2	93	6.8	0	1	3	14	10	3	0	0	2	2	1	1	4	2	11	8	0	0	10	19	2	4	1	2	3	6	3	5	4	5								
WESTERN ISLES																																														
BENBECULA	7	3	1015.9	-	12.0	0.5	13.1	94	6.4	0	5	2	8	16	0	0	0	0	0	0	2	6	5	9	9	0	0	10	19	2	6	2	1	3	5	3	6	3	6	3						
		9	1016.1	+5.5	13.1	1.0	13.3	88	6.8	0	0	4	20	7	0	0	0	0	0	0	2	1	3	17	8	0	1	11	19	0	4	3	0	2	6	5	5	6	3							
		15	1016.2	-	14.3	1.8	13.2	81	6.4	0	2	5	16	8	0	0	0	0	0	1	0	2	3	12	13	0	2	17	12	0	4	2	1	2	5	3	9	5	6	3						
STORNOWAY	5	3	1015.9	-	11.1	0.3	12.8	96	6.6	1	2	2	11	15	0	0	0	0	1	0	1	6	6	12	5	0	0	6	23	2	7	3	0	1	5	5	6	2								
		9	1016.0	+5.3	12.6	0.8	13.3	91	6.9	0	2	2	14	13	0	0	0	0	2	3	5	6	9	6	0	1	8	22	0	5	5	0	1	7	3	5	5									
		15	1016.1	-	13.7	1.3	13.3	85	7.0	0	1	1	17	12	0	0	0	0	0	0	0	5	4	16	6	0	0	16	15	0	4	4	0	2	11	1	5	4	5							
HIGHLAND	21	3	1015.6	-	11.8	0.5	13.1	94	6.7	0	2	4	10	15	0	0	0	0	0	0	1	6	3	16	4	0	2	6	23	0	4	4	1	0	9	3	5	5								
		9	1015.5	-	11.3	0.6	12.3	92	6.9	0	0	7	2	18	4	0	4	0	0	0	1	1	1	20	4	0	1	12	18	0	0	4	5	3	4	4	5	6	3							
		15	1015.7	-	11.7	0.6	12.8	93	6.9	0	0	6	7	10	8	1	5	1	1	0	0	0	3	15	5	0	0	10	21	0	3	4	4	2	1	8	5	4								
CAPE WRATH	113	3	1015.8	-	12.1	0.7	12.9	91	6.9	0	0	5	10	9	7	1	6	0	0	0	0	0	3	15	5	0	2	11	18	0	2	3	4	2	1	7	9	3								
		9	1015.9	-	11.5	0.6	12.6	93	7.3	0	0	4	6	15	6	0	5	1	0	0	0	1	1	19	4	0	1	13	16	1	2	2	6	1	3	5	7	4								
		21	1015.9	-	11.5	0.6	12.6	93	7.3	0	0	4	6	15	6	0	5	1	0	0	0	1	1	19	4	0	1	13	16	1	2	2	6	1	3	5	7	4								
DALCROSS	12	9	1016.3	-	13.4	1.2	13.3	87	6.6	0	1	5	14	11	0	0	0	0	0	0	3	5	4	9	10	0	0	6	22	3	2	3	1	0	2	9	7	4								
		15	1015.8	-	15.5	2.1	13.8	79	7.0	0	0	3	19	9	0	0	0	0	0	1	2	1	4	13	10	0	0	11	19	1	9	6	0	2	4	8	1									
		21	1015.8	-	15.5	2.1	13.8	79	7.0	0	0	3	19	9	0	0	0	0	0	1	2	1	4	13	10	0	0	11	19	1	9	6	0	2	4	8	1									
WICK	37	3	1015.3	-	10.6	0.4	12.1	94	6.9	0	2	3	11	3	0	3	0	0	0	1	2	5	3	11	6	0	0	4	27	0	7	0	1	3	4	2	8	6								
		9	1015.4	+4.6	12.4	1.2	12.5	86	6.5	0	2	3	17	7	2	0	2	0	0	1	2	7	9	10	0	0	11	20	0	6	2	2	4	5	2	4	6	6								
		15	1015.4	-	13.3	1.6	12.5	82	6.7	0	1	4	18	7	1	0	1	0	1	0	2	2	5	9	11	0	1	14	16	0	4	1	3	5	8	0	4	6	6							
I SCOTLAND E GRAMPIAN	21	3	1015.6	-	11.3	0.8	12.0	90	6.8	0	2	1	18	8	2	0	0	2	0	3	1	3	2	12	8	0	0	5	25	1	6	3	1	5	4	2	3	6								
		9	1015.6	-	11.3	0.8	12.0	90	6.8	0	2	1	18	8	2	0	0	2	0	3	1	3	2	12	8	0	0	5	25	1	6	3	1	5	4	2	3	6								
		15	1015.6	-	11.3	0.8	12.0	90	6.8	0	2	1	18	8	2	0	0	2	0	3	1	3	2	12	8	0	0	5	25	1	6	3	1	5	4	2	3	6								
1 SCOTLAND E GRAMPIAN																																														
DYCE	59	3	1015.6	-	11.1	0.7	12.1	91	6.8	1	1	2	13	13	1	0	0	0	0	4	0	3	6	2	11	5	0	0	4	20	7	1	0	0	1	4	1	6	1	6	1	6				
		9	1015.8	+4.4	13.5	1.5	12.9	83	6.5	0	4	2	13	12	0	0	0	0	0	0	5	1	6	9	10	0	0	8	23	0	6	1	2	2	6	2	6	2	7							
		15	1015.4	-	15.7	2.4	13.5	76	6.4	0	4	1	15	11	0	0	0	0	0	0	2	3	2	6	13	0	0	9	22	0	5	1	2	8	5	0	2	7								
FRASERBURGH	22	3	1015.4	-	11.8	0.7	12.7	92	6.7	0	2	4	9	12	4	0	0	0	4	1	0	0	10	16	0	0	3	9	18	1	4	2	0	4	4	6	6									
		9	1015.6	+4.3	12.8	0.9	13.3	90	6.8	0	1	4	11	14	1	0	0	0	1	0	1	3	10	16	0	0	2	12	16	1	4	1	2	2	6	0	8	7								
		15	1015.5	-	14.1	1.4	13.7	85	6.3	0	3	8	6	12	2	0	0	0	2	0	1	14	14	0	0	2	14	16	0	2	1	6	4	3	0	6	9									
KINLOSS	6	3	1015.6	-	12.3	0.8	12.9	90	6.5	0	2	5	11	11	2	0	0	0	2	0	0	2	14	13	0	0	4	9	17	1	4	0	0	7	0	5	10									
		9	1016.1	-	11.8	1.0	12.2	88	6.7	0	2	4	12	13	0	0	0	0	0	0	3	5	3	7	13	0	0	9	22	0	4	3	3	1	0	4	7	3								



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

AUGUST 1978

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 - 39 M	40 - 150 M	200 - 390 M	400 - 990 M	1000 - 1500 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE						N	NE	E	SE	S	SW	W	NW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

AUGUST 1978

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)	WET BULB (DEGREES F)	RELATIVE HUMIDITY (%)	OKTAS						0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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SHOEBURYNES	5	9	1018.7	+4.0	16.4	2.2	14.6	78	5.4	2	4	4	17	4	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	



[illegible]



TABLE 4. SUMMARY OF OBSERVATIONS AT FIXED HOURS

[illegible]



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

AUGUST 1978

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	
LERNICK (PSYCHROMETER)	0	0	0	27	4	0	0	0	0	0	0	0	0	22	9	0	CAMBRIDGE BOTANIC GARDENS	0	0	0	1	15	12	3	0	0	0	0	0	0	1	12	18	0
LERNICK (SCREEN)	0	0	0	27	4	0	0	0	0	0	0	0	0	22	9	0	EDGBASTON	0	0	0	2	23	6	0	0	0	0	0	0	0	3	28	0	
STORNOWAY	0	0	0	21	10	0	0	0	0	0	0	0	0	11	20	0	KEN (PSYCHROMETER)	0	0	0	1	12	18	0	0	0	0	0	0	0	13	18	0	
CRAIBSTONE	0	0	0	11	19	1	0	0	0	0	0	0	0	15	16	0	KEN (NORTH-WALL SCREEN)	0	0	0	1	11	19	0	0	0	0	0	0	0	4	27	0	
ROTHESAY	0	0	0	5	26	0	0	0	0	0	0	0	0	8	23	0	HASTINGS	0	0	0	0	27	4	0	0	0	0	0	0	0	1	30	0	
ABBOTSINCH	0	0	0	1	28	2	0	0	0	0	0	0	1	9	21	0	SOUTHAMPTON	0	0	0	0	13	18	0	0	0	0	0	0	0	3	28	0	
ESKDALEMUIR (PSYCHROMETER)	0	0	0	9	22	0	0	0	0	0	0	0	4	13	14	0	STONYHURST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESKDALEMUIR (SCREEN)	0	0	0	7	23	1	0	0	0	0	0	0	4	11	16	0	VALLEY	0	0	0	2	27	2	0	0	0	0	0	0	0	5	26	0	
DOUGLAS	0	0	0	9	21	1	0	0	0	0	0	0	0	3	28	0	RHOOSE	0	0	0	0	25	6	0	0	0	0	0	0	0	10	21	0	
BOULMER	0	0	0	12	17	2	0	0	0	0	0	0	0	10	21	0	FALMOUTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HULL	0	0	0	2	20	9	0	0	0	0	0	0	0	5	25	1	ALDEROROVE	0	0	0	5	26	0	0	0	0	0	0	0	0	6	25	0	
GORLESTON	0	0	0	1	23	7	0	0	0	0	0	0	0	5	22	4	ARMAGH	0	0	0	3	25	3	0	0	0	0	0	0	0	6	25	0	

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

AUGUST 1978

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES		DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										HIGHEST VALUES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		ABOVE MSL	ABOVE GROUND EFFECTIVE	34 KT OR MORE (GALE FORCE)					22-33 KT		11-21 KT	4-10 KT	LESS THAN 4 KT	HOURS OF NO RECORD	1-AN HOURLY WIND SPEED (KT)	HOURLY WIND				GUST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
				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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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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										HIGHEST VALUES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				34 KT OR MORE (GALE FORCE)					22-33 KT							11-21 KT					4-10 KT					LESS THAN 4 KT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				DATES OF OCCURRENCE					NUMBER OF HOURS OF DAYS							NUMBER OF HOURS					HOURS OF NO RECORD					MEAN HOURLY WIND SPEED (KT)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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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 0H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 0H	AIR FROST	SEAS 0.5 DEG C	SEAS 0.5 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													
1978	JANUARY	SPARSHOLT																													
	MARCH	REDESDALE		1.1																											
		CHOPWELLWOOD		2.7	6.1	+1.2																									
		TYNEMOUTH																													
		WASHINGTON		3.2	6.7																										
		WHITBY (COASTGUARD)																													
		BRIDLINGTON																													
		HULL		3.5	7.3	1.6																									
		GORLESTON																													
		CAMBRIDGE NIAB		2.6	6.4																										
		HAUGHLEY																													
		GARSTON																													
		STANSTEAD ABBOTTS	10.5				14.4	27																							
		CLACTON-ON-SEA		3.7	6.8	+1.3																									
		SHEFFIELD																													
		WESTON PARK																													
		NEWTORPE		2.5	6.5																										
		OSWESTRY																													
		RUGBY	10.4	2.5	6.5	+1.0	17.0	10	-3.9	5	5.8	6.0	53	120	17	15	18	11	3	1	0	0	0	1	6	14	4	0			
		CHEL TENHAM				+0.5																									
		SHIRBURN (MODEL FARM)																													
		HARROW WEALD	10.7				16.0	11																							
		KENSINGTON PALACE																													
		MARTYR WORTHY							-9.5	5																					
		SPARSHOLT		(3.2)	(6.7)				-2.0	18																					
		ROGATE																													
		NEWTON RIGG		2.6																											
		BOTWINNOG	9.5	4.3	6.9																										
		LLYN ALAW		3.7	6.7				-1.5	5																					
		BWLCHGWYN	7.3		4.5		14.9	10																							
		MOEL CYNNEDD																													
		TENBY																													
		LLANGENNY																													
		EXMOUTH	10.5	4.1	7.3	+0.8	14.6	27	-1.1	7																					
		NEWQUAY	10.1	3.7	6.9	-0.5	12.0	7	-1.0	16																					
	APRIL	PRINCETOWN																													
		ST ANDREWS	8.4		5.8																										
		BUSH HOUSE							-4.6																						
		ARROCHYMORE	9.4		5.8																										
		COCKLE PARK																													
		KIELDER CASTLE																													
		LETHAMHILL FARM																													
		CAMBRIDGE BG																													



# MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

MET.0.921

UDC 551 506 1 (41-4)

**SEPTEMBER 1978**

VOLUME 95

NUMBER 9

DUPLICATE ALSO

24 APR 1979

## Dry and sunny in south; wet in north-west; gales at times.

An anticyclone to the west of Ireland moved south-eastwards to France during the first few days of the month, while fronts affected northern parts of the United Kingdom. Then, on the 5th and 6th, troughs of low pressure moved slowly eastwards across the British Isles. A mainly westerly airflow became established by the 7th, but fronts moving south-east on the 10th and 11th were followed by a strong north-westerly airstream. This was short-lived, however, as a ridge of high pressure moved eastwards across England and Wales on the 12th. A frontal system then moved quickly into north-western Britain, its cold front moving south-eastwards across all districts on the 14th. Further fronts, associated with a complex low-pressure area to the north of Scotland, mostly affected northern districts on the 15th and 16th, but another cold front moved south-east to clear all parts early on the 17th. An anticyclone which had developed off south-west Ireland then moved eastwards, and although fronts continued to affect northern areas from time to time, central and southern Britain remained within the influence of this anticyclone until it drifted to north-west France between the 22nd and the 24th. Fronts from the Atlantic then crossed all districts in a strengthening west to north-westerly airstream during the remainder of the month.

### Weather

Although southern counties had a mainly dry and sunny month, the weather was changeable over most of the United Kingdom. Periods of rain, scattered thunderstorms, occasional hail showers, but also sunny intervals, occurred in many areas, and there were gales around mid-month and during the last two days. Fog formed extensively at times along coasts and on hills. Patches of snow which were observed on the upper slopes of the Cairngorms disappeared during the third week, but sleet was reported in the area on the 23rd and 24th.

### Wind

Winds were frequently fresh or strong in exposed places between the 7th and the 17th, and from the 20th onwards. Wind strengths often reached gale force locally and gales were widespread at times. On the 11th, high winds over England and Wales caused loss of life: a driver was killed at New Milton (Hampshire) when a branch from a tree fell on to his car, and another man was killed by a falling tree in his garden at Ripley (Derbyshire). Severe gales swept northern areas during the early part of the third week. Gusts exceeded 80 kt in Orkney and Shetland on the evening of the 16th and the very strong winds disrupted sea and air communications. All the main roads in the Scottish Highlands were reported to be blocked by fallen trees on the night of the 16th/17th. Further gales affected exposed coasts and hills on the 29th and 30th. For much of the month the wind blew mainly from points between south-west and north-west, but during the first week directions were rather variable, with speeds generally light on the 3rd and 4th.

### Temperature

Monthly mean temperatures were within 1 °C of average almost everywhere. Values were mostly above the normal, but were below average in the Northern Isles, the far north of mainland Scotland, the Channel Islands, in parts of Wales and south-west England,

and in a few places elsewhere. The month started rather cool, but it became very warm in some areas during the second week, particularly in eastern, central and southern England on the 10th, when temperatures reached 26 °C at one or two places in East Anglia. Most areas became cooler after the 16th, but it was warm again in many places between the 20th and the 24th. Monthly maxima in Northern Ireland and over most of Scotland were recorded during this period, the temperature reaching 22.3 °C on the 22nd at Banchory (Grampian Region). The weather became progressively cooler during the remainder of the month.

### Rainfall

Rainfall totals were above average in Scotland except in parts of the east and south-west, in Northern Ireland except in the south-east, and over most of north-western and parts of north-eastern England. Some places in the Welsh mountains also had more than their normal amount of rain for September. Rainfall was below average in all remaining areas in the United Kingdom. Monthly totals in the north contrasted sharply with those in the south, with values ranging from about 200 per cent of average in the south of Argyllshire to less than 20 per cent in parts of southern England. A number of places in western Scotland recorded over 150 per cent of their normal rainfall for the month, while less than half the average fell in South Wales and over all southern counties of England. Only 6 mm were recorded at Alderney Airport in the Channel Islands and at Taunton (Vivary Park) in Somerset. Periods of rain affected many areas from time to time until the early part of the third week, although amounts were often small in the south. Most districts were then dry for a few days, but while the dry spell

continued in the south, outbreaks of rain again occurred in the north. The weather became increasingly unsettled in all areas towards the end of the month.

### Sunshine

Sunshine in Scotland was above average in the north-east, but below average in other districts, with monthly totals ranging from over 115 per cent of the normal in parts of the Grampian Region to less than 60 per cent in places in western Scotland. Sunshine was also below average in Northern Ireland, the Isle of Man, in a few places in North Wales, and over most of northern England, away from eastern coasts. Almost all remaining districts of England and Wales had above normal sunshine and monthly totals exceeded 130 per cent of average over much of the south-west. Parts of south Devon had about 140 per cent of their normal September sunshine. Sunny intervals occurred from time to time throughout the month, but most areas had their sunniest days from around mid-month until the early part of the last week.

### Fog

Most of the fog which formed during the month occurred between the 3rd and the 11th or between the 19th and the 25th. Over-night fog patches in inland areas occasionally became thick, but mostly cleared soon after sunrise. Fog was sometimes persistent along coasts and on hills and was associated with precipitation at times. Coastal fog chiefly affected northern Scotland, west Wales, south-west England and the Channel Islands.

### Miscellaneous Phenomena

A waterspout was observed off Jersey on the 26th.

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	21.0	1.6	-0.7	+0.1	-0.3	-0.3	+5	141	81
1 Scotland E	21.4	0.5	-0.4	+0.8	+0.2	+0.5	+4	106	93
2 England E & NE	26.1	2.9	+0.3	+0.4	+0.3	+0.3	-2	84	106
3 East Anglia	26.1	3.8	+0.4	0.0	+0.3	-0.3	-3	60	113
4 Midland Counties	24.5	3.0	0.0	+0.3	+0.2	+0.1	-4	71	110
5 England SE & Central S	25.2	2.8	+0.4	-0.1	+0.2	-0.2	-4	30	117
6 Scotland W	21.0	1.6	-0.5	+1.0	+0.3	+0.4	+6	132	74
7 England NW & Wales N	22.5	2.9	-0.4	+0.7	+0.2	-0.1	0	103	92
8 England SW & Wales S	25.0	3.5	+0.2	-0.3	0.0	+0.2	-3	34	131
N Ireland	20.7	6.3	+0.1	+1.1	+0.6	+0.8	+1	101	86
Scotland	21.4	0.5	-0.5	+0.6	+0.1	+0.2	+5	126	83
England & Wales	26.1	2.8	+0.1	+0.2	+0.2	0.0	-3	64	111

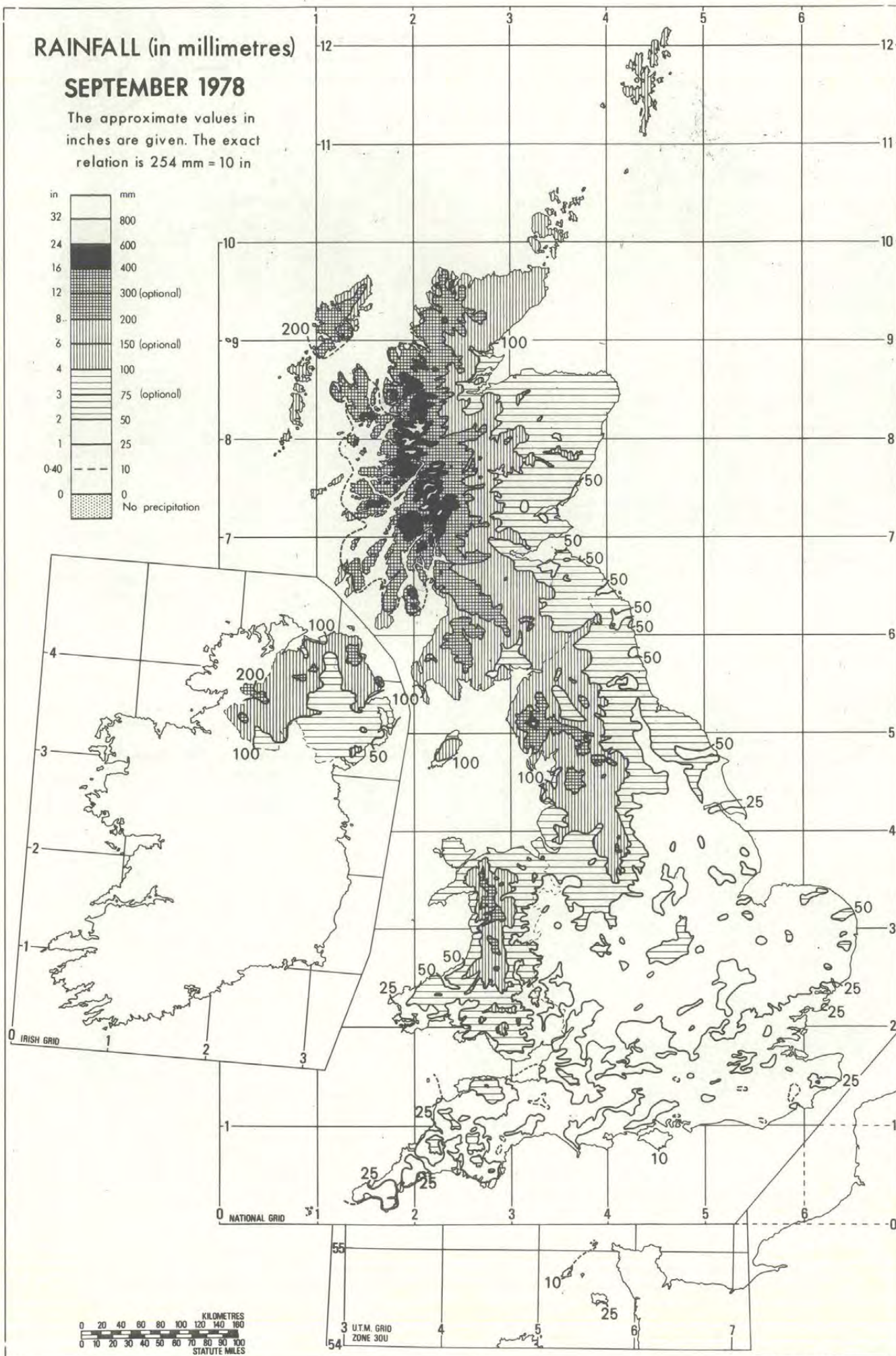
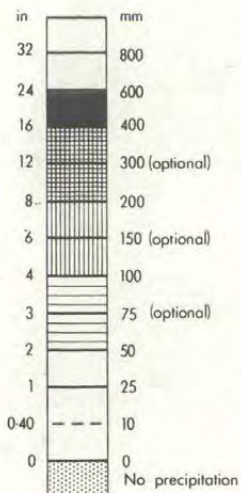
\*Highest maximum and lowest minimum of District Value Stations



# RAINFALL (in millimetres)

## SEPTEMBER 1978

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





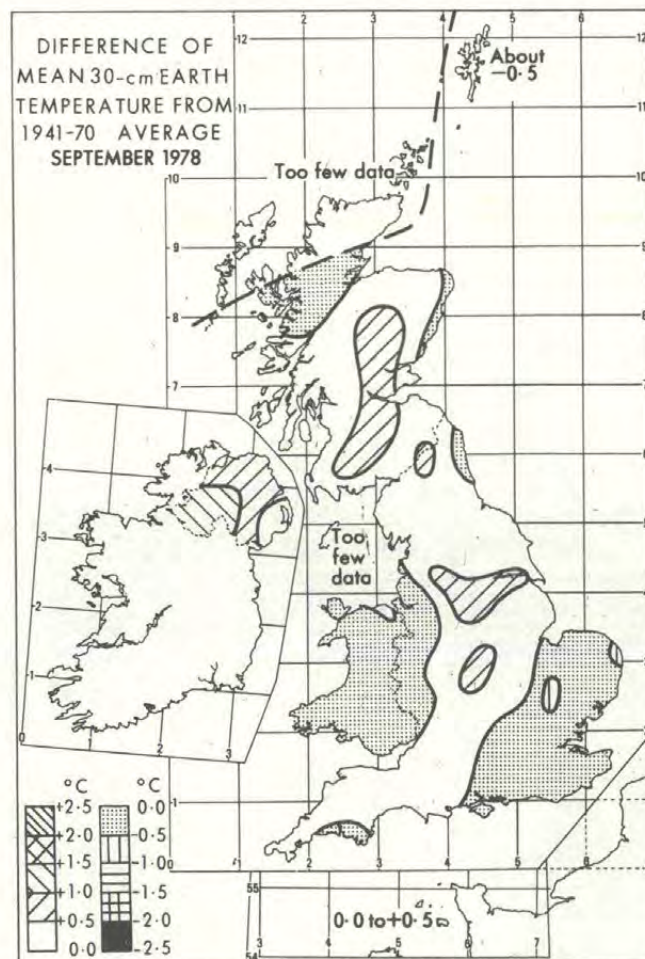
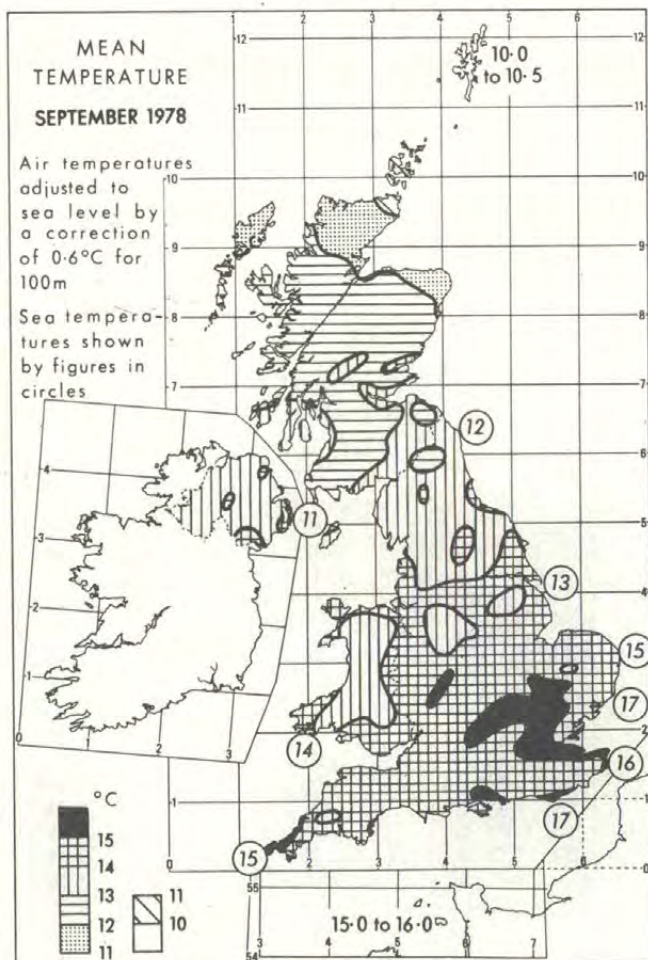
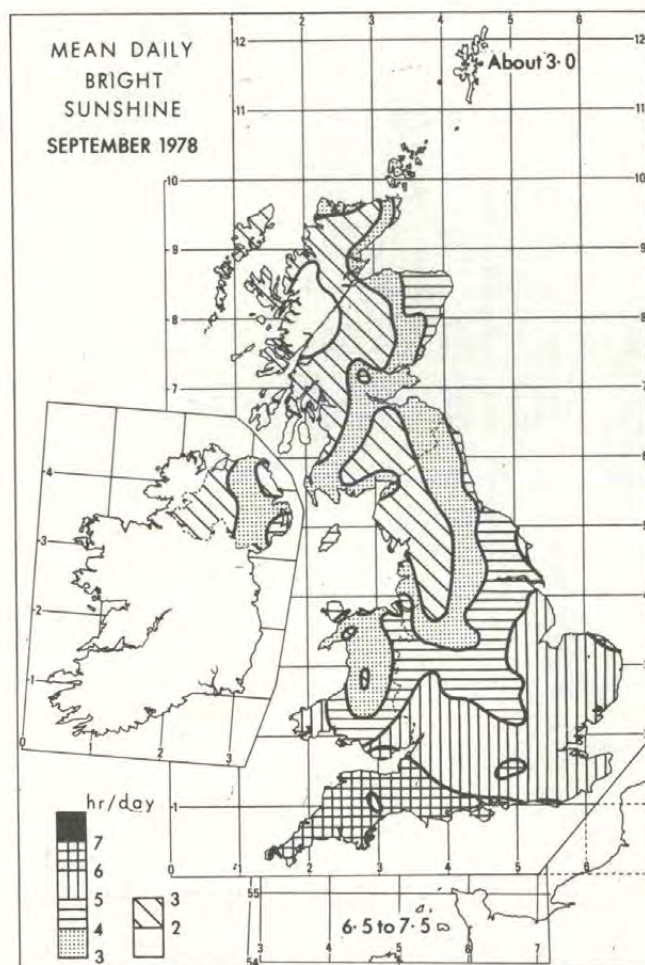
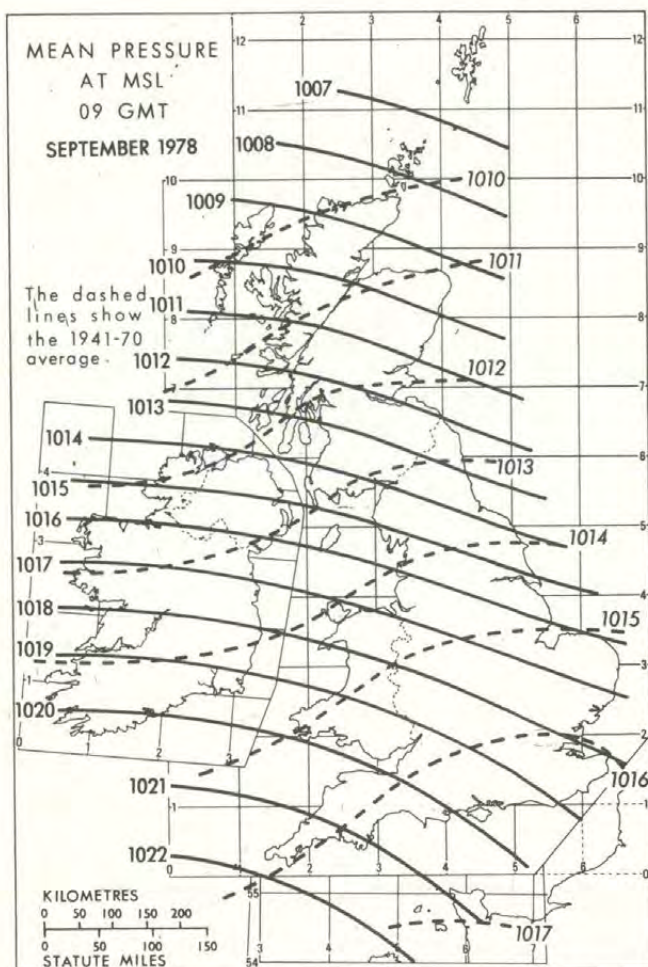












TABLE 3 SUMMARY OF DAILY OBSERVATIONS

SEPTEMBER 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL NIGHT) MIN. DP 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	AMOUNT (MM)	DATE	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																						
6 SCOTLAND W																																
STRATHCLYDE																																
ACHAGLACHACH	9 9	12	15.5	9.6	12.5	-	18.7	4	6.0	20	-	369	214	73	9	28	23	0	0	0	0	0	0	0	0	0	0	0	2	-	-	
ARDS	9 9	37	15.0	9.8	12.4	-	18.5	4	5.4	6	-	326	-	41	9	27	25	0	0	0	0	0	1	0	0	0	0	2	-	-		
AUCHINCRAIVE	9 9	45	15.4	10.3	12.9	+0.2	18.8	23	6.2	6	13.3	13.1	149	145	28	9	23	18	0	0	0	0	0	0	0	0	0	2.83	79	-		
BENMORE (YOUNGER BOTANIC GARDEN)																																
BRODICK CASTLE	9 9	12	15.1	10.5	12.8	-	18.3	4	5.1	1	14.5	-	365	158	71	9	25	22	0	0	0	0	0	0	0	0	0	2	-	-		
CAMPS RESERVOIR	9 9	15	16.1	10.5	13.3	-	19.5	21	8.0	20	14.4	-	297	154	67	9	26	22	0	0	0	0	0	0	0	0	0	2	-	-		
CARNWATH	9 9	295	13.7	7.8	10.7	-	17.0	9.21	1.9	4	-	-	129	105	22	9	24	22	0	0	0	0	0	2	0	0	0	7	2.26	-		
CORTBRIDGE	9 9	208	14.5	8.1	11.3	-	19.0	21	3.1	20	12.6	-	136	160	18	9	26	21	0	0	0	0	0	1	0	0	0	7	-	-		
COLONSAY	9 9	66	15.2	9.7	12.5	-	17.8	1	6.0	1	-	-	136	153	33	9	22	19	0	0	0	0	0	0	0	0	0	5	-	-		
CRAIGHOUSE	9 9	35	14.7	10.4	12.5	-	18.7	4	7.0	20	-	-	208	-	30	9	27	23	0	0	0	0	0	1	0	0	0	5	-	-		
CRAWFORD JOHN	9 9	4	15.7	10.4	13.1	-	18.6	21	7.4	25	-	-	305	-	54	9	29	24	0	0	0	0	0	0	0	0	0	5	-	-		
CUMNOCK	9 9	274	14.0	7.9	10.9	-	18.0	21	3.1	2	12.4	-	-	-	-	-	-	-	0	0	0	0	0	1	0	0	0	3	2.59	-		
DUNSTAFFNAGE	9 9	99	15.2	8.9	12.1	-	19.5	21	3.6	2	13.7	-	181	-	32	9	25	19	0	0	0	0	0	0	0	0	0	1	2.55	-		
EAST KILBRIDE	9 9	3	15.0	10.7	12.9	-	18.3	4	8.0	6	-	-	281	-	34	28	28	22	0	0	0	0	0	0	0	0	0	2	-	-		
GIRVAN	9 9	178	14.4	9.4	11.9	-	16.4	6.21.22	6.7	1	-	-	189	-	37	9	25	19	0	0	0	0	0	0	0	0	0	0	3.28	-	-	
GLASGOW	9 9	8	15.8	11.1	13.5	-	18.9	21	5.7	6	-	-	153	156	29	28	25	19	0	0	0	0	0	0	0	0	0	2	2.94	-	-	
ABBOTSINCH AIRPORT																																
SPRINGBURN PARK	21-9	5	15.6	10.3	12.9	+0.2	18.0	4	4.8	1	-	-	145	-	29	9	26	18	0	0	1	0	0	0	0	0	0	0	2.77	78	-	
WEATHER CENTRE (X)	9 9	107	14.8	9.9	12.3	0.0	17.9	23	6.5	1	-	-	160	143	30	9	24	19	0	0	0	0	0	4	0	0	0	0	1	2.77	86	-
GREENOCK	21-9	40	15.5	11.1	13.3	-	18.0	4	8.4	1	-	-	137	-	29	9	24	18	0	0	0	0	0	0	0	0	0	0	3.00	-	-	
HELENSBURGH	9 9	61	-	-	-	-	-	-	-	-	-	-	274	185	53	25	22	20	-	-	-	-	-	-	-	-	-	-	2.12	62	-	
HUNTERSTON	9 9	96	14.5	9.5	12.0	-0.2	16.7	23	6.0	1	-	-	216	154	44	9	25	22	-	-	-	-	0	0	0	0	0	-	2.83	-	-	
KILDMAN	9 9	8	15.4	11.0	13.2	-	18.0	6	9.2	1.4.28	-	-	170	-	45	9	22	19	0	0	0	0	0	0	0	0	0	2	-	-	-	
KNAPDALE FOREST	9 9	18	15.0	10.0	12.5	-	18.0	4	7.3	30	-	-	231	-	41	9	28	22	0	0	0	0	0	0	0	0	0	0	1	3.33	-	-
LEADHILLS	9 9	12	15.1	9.6	12.3	-	18.1	4.21	5.0	4	-	-	317	-	59	9	26	22	0	0	0	0	0	0	0	0	0	0	2	-	-	
MACHRIHANISH	9 9	388	13.0	7.5	10.3	-	16.9	23	2.6	2	-	-	204	124	38	9	26	23	0	0	0	0	0	0	0	0	0	1	5	-	-	
MILLPORT	21-9	10	15.2	11.1	13.1	-	19.4	21	6.7	6	-	-	155	126	24	27	26	19	0	0	0	2	0	0	0	0	0	0	4	3.18	-	
PAISLEY	9 9	5	15.2	10.8	13.0	-	18.3	4	8.3	1	-	-	178	148	33	9	23	19	0	0	0	0	0	0	0	0	0	0	1	-	-	
PRESTWICK	9 9	32	15.8	10.7	13.3	+0.2	18.4	6	7.5	1	13.6	13.8	166	147	35	9	26	18	0	0	0	0	0	0	0	0	0	2	2.62	74	-	
RHUVAL	21-9	16	15.6	10.2	12.9	-	18.9	4	5.5	1	-	-	155	153	32	9	25	19	0	0	0	0	0	0	0	0	0	1	0	2.86	-	
ROTHESAY	9 9	20	14.5	10.9	12.7	-	17.9	21	8.5	25	-	-	257	183	36	9	23	22	0	0	0	0	0	0	0	0	0	0	5	-	-	
SLOY	21-9	43	15.2	10.4	12.8	-	18.0	4	8.5	1.2.28	13.1	12.8	260	182	47	9	25	22	0	0	0	0	0	0	0	0	0	0	0	-	-	
STRONACHULLIN	9 9	12	15.2	10.7	12.9	-	18.1	23	6.5	1	-	-	359	-	71	9	27	23	0	0	0	0	0	0	0	0	0	0	2	-	-	
TREE	21-9	2	15.1	10.4	12.7	-	18.0	7	7.2	20	-	-	376	-	73	9	29	22	0	0	0	0	0	0	0	0	0	0	0	-	-	
UPLANDMOOR	9 9	9	14.6	10.8	12.7	+0.2	17.4	4	8.2	29	-	-	158	124	21	12	27	21	0	0	0	0	0	0	0	0	0	0	3	2.92	75	-
CENTRAL	9 9	128	14.4	9.3	11.9	-	16.6	6.23	7.0	25	-	-	276	-	75	9	26	21	0	0	0	1	0	0	0	0	0	0	3	-	-	
DUMFRIES & GALLOWAY																																
BARGRENNAN	9 9	30	15.2	10.1	12.7	-	18.3	4	5.9	1	-	-	205	-	36	9	26	20	-	0	-	-	0	0	0	0	0	0	-	2.50	-	-
CLATTERINGSHAW	9 9	107	15.4	8.4	11.9	-	19.0	22	4.0	1	-	-	181	118	32	9	26	23	0	0	0	0	0	0	0	0	0	0	0	-	-	
EARLS HILL	21-9	335	13.2	7.6	10.4	-	16.1	23	4.4	12	-	-	169	-	43	9	25	18	0	0	0	0	0	0	3	0	0	0	7	3.43	-	-
FALKIRK	9 9	3	15.4	10.2	13.3	-	18.8	20	5.5	1	-	-	103	-	16	9	18	14	0	0	0	0	0	0	0	0	0	0	0	3.32	-	-
GRANGEHOUTH	9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PARKHEAD	9 9	107	15.7	9.7	12.7	-	18.4	20	5.7	1	14.1	-	84	-	22	9	15	15	-	0	-	-	0	0	0	0	0	0	-	-	-	
STIRLING (BATTERFLATS)	9 9	38	16.5	9.7	13.1	-	20.8	20	4.5	1	14.5	14.1	93	-	21	9	19	14	0	0	0	0	0	0	0	0	0	0	1	3.09	-	-
DUMFRIES & GALLOWAY																																
BARGRENNAN	9 9	110	15.1	8.4	11.7	-	18.0	4.19.22	2.6	25	-	-	175	113	23	27	26	23	0	0	0	0	0	5	0	0	0	3	0	-	-	
CLATTERINGSHAW	9 9	178	14.4	8.7	11.5	-	17.7	19	1.5	15	-	-	213	107	26	28	24	23	0	0	0	0	0	0	0	0	0	0	5	2.50	-	-
DUMFRIES	9 9	49	15.																													



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DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE HSL (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	DRY ORLE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE									
			MAX. (A)	MIN. (B)			MAX.	DATE																				MIN.	DATE							
2 ENGLAND E & NE -CONTINUED																																				
DURHAM	9 9	102	16.6	10.0	13.3	+0.5	20.6	10.21	6.3	20	14.0	13.7	51	87	14	5	12	12	0	0	0	0	0	0	0	0	0	0	0	0	3.67	90	S			
DURHAM ...	9 9	155	15.6	8.8	12.2	-	19.0	9.10	5.2	20	12.7	11.8	59	16	5	12	10	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	-		
WIDDYBANK FELL ...	9 9	513	12.5	7.7	10.1	-	15.8	9	4.5	2	10.5	-	169	25	13	22	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.75	-	-	
CLEVELAND																																				
HARTBURN GRANGE	9 9	31	17.0	9.4	13.2	-	21.6	13	5.7	20	-	-	59	121	17	5	13	12	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3.27	-	
HARTLEPOOL ...	9 9	9	17.1	10.9	14.0	+0.2	21.3	13	7.4	20	-	-	51	101	15	5	13	11	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4.28	-	
NORTH YORKSHIRE																																				
ASKHAM BRYAN	9 9	33	-	( 9.5)	-	-	-	-	4.9	18	-	-	54	95	16	5	9	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CANWOOD ...	9 9	6	17.3	10.0	13.7	-	22.0	13	5.8	18	14.3	14.5	44	85	17	5	10	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.89	-	
HIGH MOWTHORPE	9 9	175	16.6	9.4	13.0	-	20.6	13	5.8	18	13.3	-	51	80	12	28	15	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4.16	-
LEEMING ...	21-9	32	17.1	11.0	14.1	-	21.9	10	6.5	18	14.0	14.1	50	97	15	5	12	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.89	-
MALHAM TARN	9 9	395	13.2	8.4	10.8	-0.1	16.8	10	4.3	12	12.3	-	196	142	41	10	22	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	-	
PICKERING	9 9	44	17.5	8.7	13.1	-	22.0	13	3.0	18	-	-	51	87	15	5	15	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SCARBOROUGH	9 9	52	17.2	10.5	13.9	-	21.6	13	7.1	20	14.0	14.0	55	107	9	28	16	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	5.05	115
SILPHO MOOR	9 9	203	16.1	8.6	12.3	-	21.2	13	4.1	20	12.3	-	62	87	15	5	18	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SNARIZEHOLME	9 9	290	13.9	8.8	11.3	-	17.9	10	4.6	20	12.0	-	163	30	28	20	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.13	-
WHITBY	9 9	41	17.0	10.2	13.6	-	21.8	14	5.9	20	-	-	51	10	5	15	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4.71	-
WHITBY (COASTGUARD)	21-9	60	16.2	10.7	13.5	-	21.3	10	6.6	19	-	-	50	10	5	15	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	-	-	
YORK (HESLINGTON)	9 9	19	17.2	10.1	13.7	-	20.8	10	5.6	18	14.1	14.1	49	90	15	5	10	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.21	-	
HUMBERSIDE																																				
BRIDLINGTON	9 9	48	17.1	9.5	13.3	-	21.7	13	5.4	18	-	-	42	71	10	28	13	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	5.08	-
CLEETHORPES	9 9	7	18.2	11.0	14.6	+0.3	24.1	10	7.1	18	-	-	27	53	8	28	10	4	-	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	4.38	95
HULL	9 9	2	18.7	10.9	14.8	+0.5	24.4	10	7.7	18	14.9	14.8	31	57	10	28	13	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.86	113	
LINCOLNSHIRE																																				
BIMBROOK	21-9	108	17.1	9.8	13.5	-	24.0	10	5.6	26	-	-	34	58	8	28	13	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.06	-	
CAISTOR	9 9	21	18.1	9.4	13.7	-	24.4	10	3.5	18	-	-	30	6	28	12	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CRAWNELL	9 9	62	18.1	10.1	14.1	+0.3	24.6	10	6.7	18.26	15.3	15.8	39	80	8	5.6	12	8	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	5.36	117	
KIRTON	9 9	4	18.7	9.7	14.2	-	25.8	12	5.5	26	14.4	14.1	34	7	5	8	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	5.17	-	
LINCOLN	9 9	6	18.3	9.2	13.7	0.0	25.2	10	2.9	18	14.6	14.4	32	6	5	11	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.92	-	
SKEGNESS	9 9	5	18.6	10.4	14.5	+0.4	25.6	10	6.1	26	-	-	28	55	6	29	8	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.59	116	
SUTTON BRIDGE	9 9	4	18.9	10.1	14.5	-	25.3	10	5.3	26	-	-	38	79	12	5	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	
WADDINGTON	21-9	68	18.0	10.4	14.2	+0.4	24.9	10	6.7	18	-	-	32	65	7	27	11	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.99	112	
3 EAST ANGLIA																																				
NORFOLK																																				
COLTISHALL	21-9	17	18.6	10.2	14.4	-	25.7	10	2.4	20	-	-	36	71	7	13	13	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
CROMER	9 9	54	18.4	10.8	14.6	+0.1	25.1	10	5.6	26	-	-	40	75	12	27	10	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.34	127	
GORLESTON	9 9	2	18.7	10.5	14.6	-0.1	25.6	16	5.6	26	14.8	14.8	41	80	15	13	10	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.71	114	
MARHAM	21-9	23	18.6	9.8	14.2	-	24.8	10	4.0	20.26	-	-	36	8	28	10	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.22	-	
MORLEY ST BOTOLPH	9 9	46	18.4	9.5	13.9	-	25.4	10	2.9	20	14.4	-	41	12	13	8	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	5.48	-	
SANTON DOWNHAM	9 9	24	18.7	8.2	13.5	-	24.4	10	-0.8	20	14.2	14.2	49	85	12	13	11	7	-	0	-	-	-	1	7	-	-	-	-	-	-	0	0	5.06	-	
SCOLE	9 9	27	19.1	9.7	14.4	-	25.7	10	1.5	20	14.7	15.1	36	16	13	11	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.55	-	
TERRINGTON ST CLEMENT	9 9	3	18.9	9.9	14.4	+0.3	26.1	10	5.3	26	14.2	-	45	95	13	5	9	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.05	110	
CAMBRIDGESHIRE																																				
BOXWORTH	9 9	53	18.8	10.5	14.7	-	24.8	10	6.5	18	-	-	33	67	12	6	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.44	-	
CAMBRIDGE																																				
BOTANIC GARDEN	9 9	12	19.4	10.3	14.9	+0.5	25.6	10	3.8	26	14.7	14.7	28	61	9	13	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	
NATIONAL INSTITUTE OF AGRICULTURAL BOTANY	9 9	24	19.3	10.8	15.1	-	25.2	10	6.0	26	-	-	40	87	16	6	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.44	115	
MARCH	9 9	2	(19.3)	(10.5)	(14.9)	-	25.6	10	5.5	18	-	-	35	74	10	5	8	7	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MARHOLM	9 9	21	18.9	10.3	14.6	-	25.2	10	5.3	21	-	-	37	12	5	7	6	-	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	-	-	
MEPAL	9 9	-2	19.2	9.6	14.4	-	25.6	10	3.2	26	14.5	13.7	31	9	13	9	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.04	-	
MONKS WOOD	9 9	39	18.7	10.3	14.5	-	25.3	10	4.4	20	14.7	14.4	29	61	9	27	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.24	-	
WITTERING	21-9																																			



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

SEPTEMBER 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (HGT) MIN. OF OBSERVATION	HEIGHT OF STATION ABOVE HSL (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	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				
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																									
4 MIDLAND COUNTIES																																			
WEST YORKSHIRE																																			
BRADFORD ...	9 9	134	16.0	10.3	13.1	0.0	21.0	13	6.8	2	13.6	13.7	90	121	25	6	16	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.36	92	S
BRAMHAM ...	9 9	54	17.1	9.9	13.5	-	22.0	13	4.9	18	-	-	53	92	17	5	14	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-
HUDDERSFIELD (DAKES)	21-9	232	16.1	9.5	12.8	-0.1	21.1	13	6.1	26	12.7	11.7	89	107	17	28	18	13	0	0	0	0	0	2	0	0	0	0	0	0	0	0	3	-	-
ILKLEY ...	9 9	83	16.8	10.1	13.5	+0.4	21.2	14	6.0	2	-	-	113	130	25	6	15	14	0	0	0	0	0	1	0	0	0	0	0	0	1	3.55	96	-	
PONTEFRACCT ...	9 9	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TODMORDEN ...	9 9	160	15.5	10.1	12.8	-	20.3	10	6.0	20	-	-	139	-	24	28	19	14	0	0	0	0	0	1	0	0	0	0	0	0	0	5	-	-	
WILSDEN ...	9 9	262	14.9	9.4	12.1	-	20.3	13	6.8	30	-	-	105	-	18	28	17	13	0	0	0	0	0	2	0	0	0	0	0	0	0	0	-	-	
SOUTH YORKSHIRE																																			
FINNINGLEY ...	21-9	10	18.0	10.2	14.1	-	24.4	10	5.8	18	-	-	37	76	10	27	13	9	0	0	0	0	0	0	0	0	0	0	0	0	0	4.59	-	-	
SHEFFIELD																																			
DORE ...	9 9	206	16.5	10.0	13.3	-	21.6	13	5.6	26	-	-	75	-	22	29	15	8	0	0	0	0	0	2	0	0	0	0	0	0	0	-	-	-	
WESTON PARK ...	9 9	131	17.2	11.0	14.1	+0.2	22.4	13	7.4	30	14.7	14.6	49	76	12	29	12	8	0	0	0	0	1	-	0	-	-	-	0	4.21	113	S			
DERBYSHIRE																																			
ASHOVER ...	9 9	178	16.8	9.9	13.3	-	22.2	10	4.6	18	-	-	53	-	17	29	13	8	0	0	0	0	0	1	0	0	0	0	0	0	0	4.21	-	-	
BUXTON ...	9 9	307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
DERBY ...	9 9	48	18.2	10.6	14.4	-	23.8	10	6.4	20	-	-	37	64	15	5	11	6	0	0	0	0	1	2	0	0	0	0	0	0	0	3.71	-	-	
WINGERWORTH ...	9 9	116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NOTTINGHAMSHIRE																																			
MANSFIELD ...	9 9	114	17.6	10.5	14.1	+0.6	24.0	10	7.0	18.26	-	-	41	-	10	5	11	7	0	0	0	0	0	1	0	0	0	0	0	0	0	-	-	-	
NEWTHORPE ...	9 9	58	(17.7)	(8.9)	(13.3)	-	22.7	10	4.1	20	-	-	38	-	13	5	10	9	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
NOTTINGHAM ...	9 9	59	18.1	10.9	14.5	+0.4	24.0	10	6.5	20	14.7	14.8	33	66	11	27	9	7	0	0	0	0	0	1	0	0	0	0	0	1	4.41	113	-		
SUTTON BONINGTON ...	9 9	48	18.1	9.5	13.8	+0.3	24.1	10	3.9	18	14.2	14.2	27	53	10	27	10	8	0	0	0	0	0	0	0	0	0	0	0	1	4.49	113	-		
WARSOP ...	9 9	46	18.2	9.3	13.7	-	25.0	10	2.8	20	-	-	33	65	11	27	12	6	0	0	0	0	0	1	0	0	0	0	0	1	4.61	-	-		
WATNALL ...	21-9	117	17.4	10.0	13.7	+0.2	23.2	10	5.4	18	-	-	45	75	15	5	12	7	0	0	0	0	0	2	0	0	0	0	0	0	3.98	103	-		
STAFFORDSHIRE																																			
KEELE ...	9 9	179	16.2	9.4	12.8	-	21.0	10	5.0	20	13.6	13.4	69	94	15	27	15	10	0	0	0	0	0	0	0	0	0	0	0	0	0	3.22	-	-	
DAKEN ...	9 9	125	17.6	9.4	13.5	+0.4	23.8	10	3.9	20	14.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
PENKIRIDGE ...	9 9	101	17.7	(8.6)	(13.1)	-	23.0	10	3.8	3	-	-	40	66	12	27	10	7	0	0	0	0	0	0	0	0	0	0	0	0	(4.38)	-	-	-	
STONE ...	9 9	107	17.0	9.0	13.0	-	22.6	10	4.4	20	-	-	61	92	14	27	14	8	0	0	0	0	1	2	0	0	0	0	0	0	3.72	-	-	-	
LEICESTERSHIRE																																			
CALDECOTT ...	9 9	53	18.3	9.7	14.0	-	24.2	10	2.6	20	-	-	48	98	14	5	8	8	0	0	0	0	2	0	0	0	0	0	0	0	4.97	-	-	-	
NEWTOWN LINCOLD ...	9 9	119	17.9	9.4	13.7	-	23.1	10	5.0	18	-	-	38	67	14	27	10	7	0	0	0	0	0	0	0	0	0	0	0	0	4.33	-	-	-	
SALOP																																			
HAMPTON LOADE ...	9 9	70	18.3	9.6	13.9	-	21.7	23	4.0	18	-	-	36	-	11	30	10	6	-	-	-	-	-	-	0	-	-	-	-	-	5.31	-	-		
NEWPORT ...	9 9	64	18.1	9.4	13.7	+0.6	23.6	10	5.0	18.20	-	-	52	87	13	30	8	8	0	0	0	0	0	1	0	0	0	0	0	0	4.38	113	-		
OSWESTRY ...	9 9	174	16.9	9.4	13.1	+0.1	20.7	10	6.7	22	-	-	44	57	9	30	11	10	0	0	0	0	0	0	0	0	0	0	0	1	3.90	102	S		
PRESTON MONTFORD ...	9 9	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SHAMBURY ...	21-9	72	17.9	9.6	13.7	+0.2	22.6	10	4.3	20	-	-	39	66	11	30	9	7	0	0	0	0	0	0	0	0	0	0	0	1	4.05	103	-		
SHREWSBURY ...	9 9	56	(18.1)	10.0	(14.1)	(+0.4)	23.9	10	4.3	20	15.6	15.7	33	57	9	27	10	5	0	0	0	0	0	0	0	0	0	0	0	0	4.16	106	-		
WEST MIDLANDS																																			
BIRMINGHAM																																			
EDGBASTON ...	21-9	163	17.4	10.7	14.1	+0.3	22.6	10	7.4	30	13.0	-	40	62	12	27	12	6	0	0	0	0	0	0	0	0	0	0	0	1	4.81	123	-		
ELMDON AIRPORT ...	21-9	96	18.1	9.9	14.0	+0.6	24.5	10	3.0	20	-	-	33	-	9	13	9	7	0	0	0	0	0	0	0	0	0	0	0	1	4.82	116	-		
KING EDWARD'S SCHOOL	9 9	137	18.0	10.3	14.1	-	22.6	10	5.8	20	-	-	41	66	11	13	9	7	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-		
COVENTRY AIRPORT ...	9 9	81	18.0	9.0	13.5	-	23.6	10	3.2	21	14.2	14.1	44	-	15	5	10	7	0	0	0	0	0	1	0	0	0	0	0	0	4.77	-	-	-	
WARWICKSHIRE																																			
LUDINGTON ...	9 9	56	18.5	9.4	13.9	-	24.0	10	4.1	18	-	-	35	-	19	5	7	6	0	0	0	0	0	1	0	0	0	0	0	0	5.33	-	-	-	
MORETON MORELL ...	9 9	85	18.5	9.8	14.1	-	24.2	10	4.7	20	-	-	40	76	22	5	7	7	0	0	0	0	0	0	0	0	0	0	0	0	5.04	-	-	-	
RUGBY ...	9 9	116	18.2	9.9	14.1	+0.4	23.2	10	5.2	18	15.2	15.2	59	108	22	5	9	8	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
SHIPSTON-ON-STOUR ...	9 9	111	18																																



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT 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		DIFFERENCE FROM 1941-70 AVERAGE	HIGHEST MAXIMUM		LOWEST MINIMUM		50 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	AMOUNT (MM)	DATE	PRECIP- ITATION	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		
			MAX. (A)	MIN. (B)		MAX.	DATE	MIN.	DATE																								
5 ENGLAND SE & CENTRAL S.																																	
GREATER LONDON																																	
BROMLEY ...	9 9	65	19.7	10.7	15.2	+0.4	24.0	10	6.5	26.30	-	-	23	37	8	13	9	6	-	0	-	-	-	-	0	-	-	-	-	-	-	-	-
GREENWICH ...	9 9	7	19.8	11.8	15.8	-	24.8	23	7.1	18	-	-	21	36	7	13	8	5	0	0	-	-	-	-	0	-	-	-	-	-	-	-	-
HAMPSTEAD ...	9 9	137	18.7	10.2	14.5	+0.2	23.8	23	6.4	18	-	-	22	37	6	28	10	7	0	0	0	0	0	0	0	0	0	0	5.40	-	-	-	-
HAMPTON ...	9 9	12	19.3	10.7	15.0	-0.1	24.2	23	6.2	18	-	-	20	39	7	13	10	6	0	0	0	0	0	0	0	0	0	0	5.26	111	S	-	
HARROW WEALD ...	9 9	98	(19.2)	(9.7)	(14.9)	-	24.0	10.23	5.0	26	15.8	15.8	25	-	10	13	7	6	0	0	0	0	0	0	0	0	0	0	5.35	112	-	-	
HEATHROW AIRPORT	21-9	25	20.1	10.8	15.5	+0.6	25.5	10	6.5	26	-	-	17	33	6	27	7	5	0	0	0	0	0	0	0	0	0	0	5.56	-	-	-	-
KENSINGTON PALACE	9 9	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KEN	21-9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PSYCHROMETER ...	9 9	-	19.3	10.0	14.7	-	24.4	23	2.7	26	14.9	14.6	17	34	7	27	8	4	0	0	0	0	0	0	0	6	0	0	5.67	119	-	-	-
NORTH WALL SCREEN	9 9	-	19.2	11.0	15.1	+0.2	24.0	10	5.5	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LONDON																																	
WEATHER CENTRE (X)	21-9	77	19.9	12.5	16.2	-	24.8	23	8.6	30	-	-	21	-	8	13	8	4	0	0	0	0	0	0	0	0	0	0	5.57	125	-	-	-
ST JAMES PARK ...	9 9	9	20.0	11.6	15.8	+0.3	24.4	23	7.5	26	-	-	22	40	8	13	8	4	0	0	0	0	0	0	0	0	0	0	5.57	125	-	-	-
SOUTHGATE ...	9 9	67	19.1	10.7	14.9	+0.1	24.1	10	7.0	26	15.0	-	27	49	10	6	7	4	0	0	0	0	0	0	0	0	0	0	3.78	84	S	-	-
WADDON ...	9 9	59	19.9	10.9	15.4	+0.6	24.5	10.23	5.0	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
WILTSHIRE																																	
BOSCOMBE DOWN ...	21-9	126	18.7	9.2	13.9	0.0	24.1	10	4.7	18	15.2	14.6	21	33	9	13	10	3	0	0	0	0	2	0	0	3	0	0	5.78	128	-	-	-
LACOCK ...	9 9	49	18.4	9.2	13.8	-	21.9	10	2.0	18	-	-	19	31	9	27	9	6	0	0	0	0	1	0	0	2	0	0	-	-	-	-	-
LARKHILL ...	9 9	132	18.5	9.1	13.8	+0.1	23.0	10	4.4	4	-	-	20	30	7	27	9	4	0	0	0	0	2	0	0	0	0	0	-	-	-	-	-
LYNEHAM ...	21-9	145	17.9	9.9	13.9	+0.2	21.2	7	5.0	18	-	-	22	35	9	27	10	7	0	0	0	0	0	0	0	2	0	0	5.65	-	-	-	-
PORTON ...	9 9	111	18.5	8.5	13.5	-0.1	23.2	10	2.8	3	14.6	-	18	27	7	13	10	4	0	0	0	0	0	0	0	7	0	0	5.53	120	-	-	-
TROWBRIDGE ...	9 9	37	18.7	9.5	14.1	-	23.3	10	3.1	18.20	15.4	-	23	-	8	6	9	5	0	0	0	0	0	2	0	4	0	0	-	-	-	-	-
UPVORN ...	21-9	179	18.2	9.4	13.8	-	22.6	10	5.1	18.19	-	-	26	38	7	27	11	6	0	0	0	0	2	1	0	0	0	0	-	-	-	-	-
BERKSHIRE																																	
EASTHAMPTON ...	9 9	77	18.8	8.6	13.7	-	23.9	23	1.6	18	14.3	14.1	25	-	8	13	10	5	0	0	0	0	0	0	5	0	0	0	6.03	-	-	-	-
HURLEY ...	9 9	43	19.0	9.1	14.1	-	23.8	23	3.0	26	14.6	-	27	46	12	13	9	4	0	0	0	0	0	0	1	0	0	0	5.39	-	-	-	-
LAMBOURN (WARREN FARM)	9 9	192	(18.4)	9.6	(14.0)	-	22.9	10	5.2	18	-	-	21	-	9	27	9	5	0	0	0	0	0	0	-	0	0	0	-	-	-	-	-
READING ...	9 9	66	18.8	9.7	14.3	-	23.5	23	4.3	20	14.8	14.8	23	-	9	13	9	4	0	0	0	0	0	0	5	0	0	0	5.64	-	-	-	-
SHINFIELD (N.I.R.D.)	9 9	62	18.9	9.4	14.1	-	24.0	23	4.4	20	-	-	21	-	7	13	8	5	0	0	0	0	1	0	1	0	0	0	5.12	-	-	-	-
SURREY																																	
WISLEY ...	9 9	32	19.7	9.7	14.7	+0.3	24.7	23	4.0	20	14.9	15.1	20	36	8	13	9	5	0	0	0	0	0	1	0	4	-	1	5.96	130	-	-	-
KENT																																	
DOVER R.M.S. ...	9 9	123	17.6	11.0	14.3	-	22.1	10	7.7	18	-	-	29	41	6	13	12	9	0	0	0	0	0	0	-	0	0	0	-	-	-	-	-
DUNGENESS ...	9 9	6	18.5	11.5	15.0	-	20.8	11	6.0	26	-	-	14	24	4	28	5	5	0	0	0	0	0	0	-	0	0	0	-	-	-	-	-
EAST MALLING ...	9 9	52	19.3	10.1	14.7	+0.5	24.1	10	3.6	26	15.2	15.1	19	32	7	13	10	5	0	0	0	0	1	0	0	1	0	0	6.02	122	-	-	-
EDENBRIDGE ...	9 9	45	19.3	8.8	14.1	-	24.0	23	2.4	26	-	-	18	-	5	13	8	6	0	0	0	0	0	0	-	0	0	0	5.99	-	-	-	-
ELMSTONE ...	9 9	5	20.1	9.8	14.9	-	25.1	10	1.5	20	-	-	22	41	6	27	10	5	0	0	0	0	1	0	0	0	0	0	1	5.77	-	-	-
FAVERSHAM ...	9 9	48	19.2	10.8	15.0	-	24.2	10	5.2	20	14.8	15.2	21	33	7	13	9	7	0	0	0	0	1	0	0	0	0	0	5.77	-	-	-	-
FOLKESTONE ...	9 9	31	18.5	10.5	14.5	-	23.3	20	4.9	26	-	15.5	23	38	6	13	7	6	0	0	0	0	1	0	0	1	0	2	5.84	108	-	-	-
GILLINGHAM ...	9 9	3	(20.2)	(11.9)	(16.1)	-	24.8	10	8.0	20.30	-	-	20	35	10	13	8	3	0	0	0	0	0	0	-	0	0	0	-	-	-	-	-
GOUDHURST ...	9 9	85	18.5	9.7	14.1	+0.2	21.8	23	3.3	18	-	-	15	21	4	28	7	5	0	0	0	0	0	0	3	0	0	0	-	-	-	-	-
HADLOW COLLEGE ...	9 9	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HERNE BAY ...	9 9	31	19.1	11.2	15.1	-	25.0	10	6.0	20	15.8	-	23	-	6	13	10	6	0	0	0	0	1	0	0	0	0	0	5.84	115	-	-	-
HASTON ...	21-9	44	19.0	1																													



DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (HOURS) 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																
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE																
7A ENGLAND NW & I.O.M.																																
CUMBRIA																																
CARLISLE ...	21-9	26	16.1	10.7	13.4	-	18.7	13	5.8	20	14.5	14.4	112	116	20	13	20	17	0	0	1	0	0	0	0	0	0	0	0	2.97	-	
CARTHEL ...	9 9	35	15.8	10.6	13.2	-	18.0	4	4.8	20	-	-	148	-	21	10	20	17	0	0	0	0	0	1	0	0	0	0	0	-	-	
GRIZEDALE ...	9 9	91	15.8	9.5	12.7	-	18.7	4	4.4	2	13.4	-	204	101	42	28	21	21	0	0	0	0	0	0	0	0	0	0	0	-	-	
MOOR HOUSE ...	9 9	556	11.9	7.2	9.5	-	15.3	9	2.6	2	10.3	-	264	145	33	13	23	23	0	0	0	0	0	4	0	0	0	0	0	4	2.18	-
NEWTON RIGG ...	9 9	171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SELLAFIELD ...	9 9	13	(16.0)	(11.4)	(13.7)	-	18.4	4	7.0	3	-	-	(152)	-	24	13	(20)	(17)	-	-	-	-	-	0	0	0	0	0	0	(2.46)	-	
LANCASHIRE																																
HAZEL RIGG ...	9 9	95	15.4	11.0	13.2	-	18.4	4	7.4	2	-	-	142	-	23	27	17	16	0	0	0	1	0	0	0	0	0	0	0	5	2.65	-
HELMSHORE ...	9 9	260	(14.7)	9.9	(12.3)	-	19.4	10	6.5	30	12.9	-	164	112	37	29	20	17	0	0	0	0	0	2	0	0	0	0	0	0	2.37	-
KIRKHAM ...	9 9	24	16.4	11.6	14.0	-	19.8	13	8.1	20	-	-	119	118	25	27	17	14	0	0	0	0	0	0	0	0	0	0	0	0	3.28	-
MORECAMBE ...	9 9	7	16.3	12.0	14.1	+0.2	19.0	7	8.4	2	-	-	130	122	27	27	18	15	0	0	0	0	0	0	0	0	0	0	0	0	2.95	73
PRESTON ...	9 9	33	16.5	11.3	13.9	-	19.9	10.13	6.5	2	-	-	115	106	21	29	15	14	0	0	0	0	1	0	0	0	0	0	0	0	-	-
SLABURN ...	9 9	192	15.1	9.8	12.5	-	18.0	10	5.3	20	-	-	221	150	43	10	23	17	0	0	0	0	0	0	0	0	0	0	0	0	2.68	-
SQUIRES GATE AIRPORT ...	21-9	10	16.5	12.3	14.4	+0.5	19.8	8	6.4	20	-	-	104	114	28	27	18	11	0	0	0	0	0	0	0	0	0	0	1	3.65	83	
STONYHURST ...	9 9	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERSEYSIDE																																
ALBURN ...	9 9	12	17.3	11.8	14.5	-	21.9	10	7.5	20	-	-	84	-	20	27	14	11	0	0	0	0	0	0	0	0	0	0	0	0	(4.08)	-
BOSTON ...	9 9	60	16.5	12.0	14.3	-	21.5	10	9.4	30	-	-	85	-	21	27	13	10	0	0	1	0	0	0	0	0	0	0	0	1	4.10	-
ST HELENS ...	9 9	76	17.3	11.0	14.1	-	23.3	10	7.3	20	14.8	-	105	-	20	27	17	11	0	0	0	0	0	0	0	0	0	0	0	0	3.97	-
SOUTHPORT ...	9 9	5	16.7	11.5	14.1	+0.4	20.6	10	7.9	20	14.3	13.5	82	92	22	27	15	11	0	0	-	-	-	-	0	0	0	0	0	0	3.49	80
WEST KIRBY PARK ...	9 9	7	18.1	12.1	15.1	+0.8	23.4	10	6.4	20	-	-	79	112	23	27	14	10	-	0	-	-	-	-	0	0	0	0	0	-	-	
GREATER MANCHESTER																																
BOLTON ...	9 9	107	16.0	10.1	13.1	-	21.9	10	6.0	20.26	13.6	13.5	144	-	42	29	17	14	0	0	0	0	0	0	0	0	0	1	0	2.39	67	
MANCHESTER ...	9 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RINGWAY AIRPORT ...	21-9	75	16.7	10.7	13.7	0.0	21.8	10	7.3	30	-	-	98	129	20	29	14	11	0	0	0	0	0	0	0	0	0	0	0	0	2.81	71
WEATHER CENTRE (X)	21-9	69	16.9	11.7	14.3	-	21.8	10	8.0	30	-	-	117	-	29	29	15	12	0	-	0	0	0	1	0	-	-	0	0	2.64	-	
CHESHIRE																																
KNUTSFORD ...	9 9	65	17.1	9.6	13.3	-	22.6	10	6.1	20	14.7	14.7	82	107	15	26.28	15	11	0	0	0	0	0	-	0	0	0	0	2	-	-	
MACCLESFIELD ...	9 9	152	16.2	9.8	13.0	-0.3	21.2	10	6.8	2	-	-	109	132	23	29	16	13	0	0	0	0	0	0	0	0	0	0	0	0	-	-
NESS GARDENS ...	9 9	30	17.5	10.9	14.2	-	22.5	10	6.2	20	14.7	-	160	89	18	27	13	9	0	0	0	0	1	0	0	0	0	0	3	3.89	-	
ISLE OF MAN																																
DOUGLAS ...	9 9	85	15.6	10.8	13.2	+0.2	19.3	10	7.8	30	-	-	122	109	21	27	19	14	0	0	0	0	0	2	0	0	0	0	5	4.07	93	
POINT OF AYRE ...	21-9	9	17.0	11.4	14.2	+0.3	22.8	13	7.0	6	-	-	95	113	21	13	17	11	0	0	0	0	0	0	0	0	0	0	7	4.01	90	
RONALDSWY AIRPORT ...	21-9	16	15.8	11.0	13.4	+0.1	18.8	7	6.5	4	-	-	81	-	20	27	17	14	0	0	0	0	0	0	0	0	0	0	0	4.14	96	
7B WALES N																																
GWYNEDD																																
BALA ...	9 9	163	15.6	9.4	12.5	-	19.4	4	1.5	18	14.3	14.7	89	80	19	28	21	19	0	0	0	0	0	1	0	0	0	0	0	3.34	-	
BARDSEY ISLAND ...	21-9	15	15.6	12.8	14.2	-	18.0	4	9.1	30	-	-	60	69	11	28	9	8	0	0	0	0	0	1	0	0	0	0	0	0	3	-
BETHS-Y-COED ...	9 9	20	-	9.9	-	-	-	-	3.8	20	14.7	-	104	-	19	28	18	14	0	0	0	0	0	0	0	0	0	0	0	0	-	-
BOTWNOG ...	9 9	34	-	10.9	-	-	-	-	6.5	20	14.9	15.1	57	53	19	27	14	9	0	0	0	0	0	0	0	0	0	0	0	2	4.52	-
CHWYSTROLLYN ...	9 9	204	14.7	9.4	12.1	-	19.5	4	6.5	30	-	-	121	-	31	28	21	15	-	-	-	-	-	-	-	-	-	-	-	2	2.75	-
LLYN ALAW ...	9 9	44	16.0	10.3	13.1	-	19.0	10	5.0	30	-	-	73	-	22	27	17	10	0	0	-	-	-	-	-	-	-	-	-	0	4.16	-
PEN-Y-FFRIDD ...	9 9	84	16.7	10.6	13.7	-	20.6	4	6.2	20	-	-	77	70	25	27	16	13	0	0	0	0	0	0	0	0	0	0	1	3.31	-	
TRANSFYNYDD ...	9 9	193	15.2	9.8	12.5	-	19.3	4	6.0	3	-	-	157	100	33	27	21	16	0	0	-	-	3	0	0	0	0	0	0	0	-	-
VALLEY ...	21-9	10	16.4	11.8	14.1	0.0	19.2	4	7.0	20	-	-	51	57	14	27	13	9	0	0	0	0	0	0	0	0	0	0	2	4.48	99	
CLWYD																																
ALWEN ...	9 9	335	14.5	7.7	11.1	-	18.0	4	1.0	20	-	-	128	114	29	30	18	14	-	0	-	-	-	2	0	5	-	-	-	-	-	-
BWLCHGWYN ...	9 9	386	14.2	8.3	11.3	-	17.8	8	5.2	19	11.5	-	105	105	27	30	15	10	0	0	0	0	0	0	0	2	-	2	0	-	-	
COLWYN BAY ...	9 9	18	17.0	11.5	14.3	-	22.9	10	7.4	20	14.7	-	52	72	12	27	16	8	0	0	0	0	0	0	0	0	0	0	0	4.57	103	
CORMEN ...	9 9	144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HAWARDEN BRIDGE ...	9 9	5	18.4	10.6	14.5	+0.4	22.5	10	2.9	20	-	-	54	83	11	27	13	10	0	0	0	0	0	1	0	0	0	0	0	-	-	
LOGGHERHEADS ...	9 9	210	15.7	9.7	12.7	-	19.3	8	4.9	4	13.5	13.3	92	112	22	27	14	10	0	0	0	0	0	0	0	0	0	0	0	4.65	-	
PRESTATYN ...	9 9	4	17.2	12.3	14.7	+0.3	22.3	10	7.8	20	-	-	62	97	15	28	16	10	0	0	0	0	0	0	0	0	0	0	0	0	3.74	93
RUTHIN ...	9 9	76	17.3	9.7	13.5	-	20.9	13	4.4	20	-	-	52	72	13	30	13	9	0	0	0	0	0	0	0	0	0	0	0	4.41	-	
PONYS(NORTH)																																
HOPE ...	9 9	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LAKE VYRNMWY ...	9 9	303	14.8	8.9	11.9	-0.1	18.7	8	4.9	18.20	12.7	-	117	82	19	28	20	14	0	0	0	0	0	1	0	0	0	0	2	-	-	
LLANFAIR CAEREINION ...	9 9	236	16.3	9.8	13.1	-	20.1	13	5.2	20	14.0	-	43	-	10	26	12	10	0	0	0	0	0	0	0	0	0	0	0	2	-	-
MOEL CYNNEOD ...	9 9	358	14.7	7.8	11.3	-	18.4	10	1.5	20	12.2	-	201	-	40	28	18	15	0	0	0	1	0	-	0	4	-	0	-	-	-	
8A WALES S																																
DYFED																																
ABERPORTH ...	21-9	134	16.1	11.2	13.7	0.0	20.6	10	7.5	20	-	-	52	55	15	27	11	7	0	0	0	0	0	0	0	0	0	0	1	5.19	119	
ABERYSTWYTH ...	9 9	4	-	-	-	-	-	-	-	-	-	-	71	71	17	28	11	9	0	0	0	0	0	0	0	0						



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

[illegible]



[illegible]







DISTRICT, REGION/COUNTY AND PLACE	HEIGHT OF BAROMETER ABOVE MSL (FEET)	HOUR OF OBSERVATION (GMT)	MEAN PRESSURE		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT							VISIBILITY							WIND SPEED AND DIRECTION																
			AT MSL (INB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB (DEGREES C)	DEPRESSION OF WET BULB (DEGREES C)	VAPOR PRESSURE (INB)	RELATIVE HUMIDITY (%)	OKTAS						0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE					N	NE	E	SE	S	SW	W	NW		
									NUMBER OF OBSERVATIONS																SPEED (KT)														
									0	1-2	3-5	6-7	8	SKY OBSERVED											0-33	34 OR MORE	22-33	11-21	1-10									0	
									0	1-2	3-5	6-7	8	SKY OBSERVED											0-33	34 OR MORE	22-33	11-21	1-10									0	
6 SCOTLAND W - CONTO. STRATHCLYDE - CONTO.																																							
SLOY	-	9	-	-	12.7	1.7	11.8	80	7.2	0	0	0	19	11	0	0	0	0	0	0	0	1	4	25	0	0	0	4	21	5	0	0	0	3	2	3	12	6	
		15	-	-	14.1	2.3	12.1	75	7.1	0	0	0	2	15	13	0	0	0	0	0	0	0	7	23	0	0	0	3	24	4	0	0	0	3	1	12	6		
		21	-	-	12.7	1.8	11.8	80	6.5	0	0	0	7	11	12	0	0	0	0	0	0	0	5	22	0	0	0	3	23	4	0	0	0	3	3	12	6		
TIREE	10	3	1011.1	-	11.9	0.7	12.8	92	5.8	2	3	5	8	12	0	0	0	1	0	0	1	4	13	8	3	0	5	15	10	0	1	1	0	3	3	9	4		
		9	1011.8	+ 0.8	12.7	1.0	13.1	88	6.9	0	0	4	14	12	0	0	0	1	2	3	13	5	6	0	6	18	6	0	0	0	0	0	1	2	4	6	11		
		15	1012.1	-	13.6	1.3	13.4	85	6.1	0	0	4	5	12	9	0	0	0	0	1	7	9	10	3	1	7	19	3	0	0	2	0	2	3	8	11			
		21	1012.0	-	12.2	0.8	13.0	91	6.3	0	3	5	10	12	0	0	0	0	1	2	6	13	6	2	0	5	18	6	1	0	0	1	15	8	3				
DUMFRIES & GALLOWAY																																							
ESKDALEMUIR	237	3	1013.3	-	9.8	0.7	11.2	92	6.2	1	1	9	5	14	0	0	0	1	0	1	5	5	5	11	2	0	4	9	12	5	2	0	0	4	3	11	4		
		9	1013.5	+ 0.6	11.4	1.1	11.8	87	7.1	0	0	1	18	11	0	0	0	0	1	6	3	5	10	5	0	3	10	15	2	2	0	0	1	2	14	7			
		15	1013.4	-	12.9	1.7	12.2	81	7.2	0	0	2	16	12	0	0	0	0	0	2	6	7	4	11	0	2	20	6	2	0	1	1	0	6	13				
		21	1014.2	-	10.6	0.8	11.7	90	5.7	1	3	7	7	12	0	0	0	0	1	2	6	5	9	7	0	1	12	14	3	2	0	0	2	6	9				
2 ENGLAND E & NE NORTHUMBRLAND																																							
BOULMER	27	3	1012.0	-	11.3	0.8	12.2	90	4.4	2	9	6	4	9	0	0	0	0	0	1	0	1	2	14	12	0	2	11	17	0	1	0	0	1	10	17	0		
		9	1012.2	-	13.4	1.6	12.7	83	6.0	0	0	12	12	6	0	0	0	0	1	1	4	10	14	0	2	16	12	0	0	0	0	0	0	3	9	12			
		15	1012.3	-	15.0	2.2	13.2	77	6.4	0	2	5	17	6	0	0	0	0	1	0	1	5	9	14	0	1	19	10	0	3	0	0	3	2	8	11			
		21	1013.1	-	11.9	1.0	12.4	88	5.4	2	5	4	9	10	0	0	0	0	1	1	1	8	11	8	0	0	10	19	1	1	0	0	1	4	11	1			
SEAHOUSES	12	3	1011.8	-	-	-	-	4.7	0	7	10	8	5	0	0	0	0	0	0	1	6	23	0	0	1	11	18	0	0	0	1	0	0	3	7	16	3		
		9	1012.1	-	-	-	-	5.6	0	2	10	15	3	0	0	0	0	0	1	2	4	21	0	0	3	16	11	0	1	0	0	1	4	4	17	3			
		15	1012.1	-	-	-	-	6.0	0	1	8	15	6	0	0	0	0	1	0	2	2	21	4	1	3	14	12	0	4	1	0	1	1	7	13	3			
		21	1012.8	-	-	-	-	4.9	0	8	7	8	7	0	0	0	0	1	0	4	4	21	0	0	0	14	15	1	1	2	0	0	4	6	15	1			
TYNE & WEAR																																							
NEWCASTLE WEATHER CENTRE (X)	72	3	1013.3	-	12.2	1.4	12.0	83	5.3	1	6	3	13	7	0	0	0	0	0	1	1	0	8	12	8	0	0	10	19	1	1	0	2	1	0	6	18	1	
		9	1013.5	-	13.3	1.9	12.1	79	5.9	0	2	8	16	4	0	0	0	0	1	3	9	11	6	0	1	15	14	0	0	0	0	0	3	3	2	18	4		
		15	1013.5	-	15.4	2.9	12.3	70	6.3	0	2	5	16	7	0	0	0	0	1	6	14	8	0	1	6	14	8	0	1	15	13	1	1	2	0	1	3	16	3
		21	1014.0	-	13.0	1.5	12.4	82	5.8	1	4	5	10	10	0	0	0	0	2	3	9	15	1	0	0	9	20	1	0	1	0	1	2	1	10	14	0		
TYNEMOUTH	40	3	1012.9	-	12.4	1.4	12.2	84	5.1	0	7	7	12	4	0	0	0	0	0	1	0	14	15	0	0	2	13	14	1	1	0	0	0	2	4	21	1		
		9	1013.2	- 0.2	13.3	1.8	12.3	79	5.9	0	1	8	16	5	0	0	0	0	1	0	1	14	14	0	1	0	17	12	0	3	0	0	2	4	2	18	1		
		15	1013.1	-	15.1	2.6	12.5	73	6.3	0	0	7	17	6	0	0	0	0	1	1	10	18	0	0	6	15	8	1	2	1	0	1	2	2	2	18	0		
		21	1013.7	-	13.0	1.5	12.5	85	5.5	2	3	7	8	10	0	0	0	0	0	0	2	17	11	0	0	2	13	13	2	3	0	1	5	3	16	0			
NORTH YORKSHIRE																																							
LEEMING	33	3	1014.1	-	12.4	1.4	12.2	83	5.5	2	5	4	8	11	0	0	0	0	1	2	0	1	3	13	10	0	2	9	19	0	3	0	1	3	5	6	10	2	
		9	1014.4	+ 0.4	14.0	2.1	12.4	77	5.5	0	4	8	12	6	0	0	0	1	0	4	5	3	17	0	0	3	16	11	0	2	0	0	4	3	4	15	2		
		15	1014.2	-	16.0	3.0	12.8	70	6.3	0	1	5	20	4	0	0	0	0	1	2	0	4	8	15	0	1	20	9	0	1	2	0	0	3	1	7	15	1	
		21	1014.8	-	13.6	1.7	12.8	81	5.8	1	3	5	14	7	0	0	0	0	2	0	0	5	13	10	0	0	15	14	1	0	0	2	1	2	6	14	4		
WHITBY C.G.	66	3	1013.4	-	12.2	1.3	12.2	85	5.5	2	5	4	5	14	0	0	0	0	0	1	2	4	21	2	0	4	12	13	1	0	0	0	1	4	13	7	4		
		9	1013.8	-	13.3	1.8	12.4	80	5.7	0	3	8	13	6	0	0	0	0	0	6	2	18	4	1	5	13	8	3	0	0	0	2	1	9	10	5			
		15	1013.5	-	15.3	2.6	12.7	73	6.1	0	0	8	16	6	0	0	0	1	1	7	18	2	1	6	14	6	3	0	0	0	0	2	2	5	11	7			
		21	1014.2	-	13.0	1.5	12.4	83	5.3	2	5	7	3	13	0	0	0	0	1	0	4	7	12	6	0	1	18	7	4	0	0	0	2	1	13	7	3		
HUMBERSIDE																																							
SPURN POINT	20	3	1015.1	-	13.1	1.2	13.0	86	4.8	4	7	3	5	11	0	0	0	0	0	1	0	3	21	5	0	0	2	17	9	2	0	0	0	3	10	14	1		
		9	1015.5	-	13.9	1.8	12.7	79	5.5	0	3	9	12	6	0	0	0	1	3	16	9	0	0	3	18	8	1	2	0	0	1	2	8	12	4				
		15	1015.0																																				



[illegible]



[illegible]



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

SEPTEMBER 1978

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)	WET BULB (DEGREES C)	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS						0 - 39 M	40 - 150 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE										N	NE	E	SE	S	SW	W	NW						
										MEAN	0	1-2	3-5	6-7	8											SKY OBSERVED	SPEED (KT)																						
																											34 OR MORE	22-33	11-21	1-10	0																		
																																NUMBER OF OBSERVATIONS																	
8A WALES S -CONTO. NID GLANORGAN CILFYNYDD 195 3 1018.9 1019.7 + 3.9 1019.3 1019.8 12.1 14.4 16.9 13.5 0.8 1.6 3.2 1.3 13.0 13.5 13.3 85 4.8 5.2 5.2 4.9 4 0 1 7 7 7 8 0																																																	



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

SEPTEMBER 1978

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	1	25	4	0	CAMBRIDGE BOTANIC GARDENS	0	0	0	3	16	10	1	0	0	0	0	0	0	0	1	12	15	2	
LERWICK (SCREEN)	0	0	1	29	0	0	0	0	0	0	0	0	2	24	4	0	EDOBASTON	0	0	0	6	20	4	0	0	0	0	0	0	0	0	0	0	12	17	1
STORNOWAY	0	0	0	22	8	0	0	0	0	0	0	0	0	17	13	0	KEN (PSYCHROMETER)	0	0	0	1	17	12	0	0	0	0	0	0	0	0	6	7	15	2	
CRAIBSTONE	0	0	0	18	10	2	0	0	0	0	0	0	0	5	19	6	0	KEN (NORTH-WALL SCREEN)	0	0	0	1	16	13	0	0	0	0	0	0	0	0	11	17	2	
ROTHESAY	0	0	0	15	15	0	0	0	0	0	0	0	0	16	14	0	HASTINGS	0	0	0	1	26	3	0	0	0	0	0	0	0	0	4	24	2	2	
ABBOTSINCH	0	0	0	13	17	0	0	0	0	0	0	0	0	15	14	0	SOUTHAMPTON	0	0	0	1	16	13	0	0	0	0	0	0	0	0	13	15	2	2	
ESKDALEMUIR (PSYCHROMETER)	0	0	0	20	10	0	0	0	0	0	0	0	0	3	19	8	0	STONYHURST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ESKDALEMUIR (SCREEN)	0	0	0	17	13	0	0	0	0	0	0	0	0	2	18	9	1	VALLEY	0	0	0	2	28	0	0	0	0	0	0	0	0	0	4	26	0	0
DOUGLAS	0	0	0	13	17	0	0	0	0	0	0	0	0	12	18	0	RHOOSE	0	0	0	3	25	2	0	0	0	0	0	0	0	0	13	16	1	1	
BOULMER	0	0	0	9	19	2	0	0	0	0	0	0	0	1	15	12	2	FALMOUTH	0	0	0	2	26	2	0	0	0	0	0	0	0	0	13	15	2	2
HULL	0	0	0	5	17	8	0	0	0	0	0	0	0	0	12	17	1	ALDEROROVE	0	0	0	9	21	0	0	0	0	0	0	0	0	0	14	14	2	2
GORLESTON	0	0	0	2	18	9	1	0	0	0	0	0	0	13	16	1	ARMAGH	0	0	0	6	23	1	0	0	0	0	0	0	0	0	14	16	0	0	

TABLE 6 SUMMARY OF AUTOCGRAPHIC RECORDS OF WIND

SEPTEMBER 1978

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)				HIGHEST VALUES			
																												HOURLY WIND			
				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		YEAR FROM N		SPEED-KT		DAY	

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SEPTEMBER 1978

[illegible]



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 BELOW 0 DEG C	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	MARCH	MILLPORT	18.1	8.4	13.3		22.0	10.11	1.3	8			87	121	(18)	30	15	11													
	AUGUST	BLACKBURN SEWAGE WORKS	(14.7)	(7.3)	(11.0)		17.5	11.15	-0.6	16			116		22	26															
1978	SEPTEMBER	BLACKBURN SEWAGE WORKS	10.7	3.2									104		23	27	18	15													
	APRIL	MILLTOWN	10.2	3.6	6.9		14.0	23.24	-0.5	11																					
		ROSETTA					15.1	24																							
		NEWRY																													
		SILENT VALLEY																													
		COOKSTOWN																													
		POMEROY FOREST		2.2																											
		TIEVENNY																													
		CASTLE ARCHDALE FOREST																													
	MAY	ARDALNAIG	16.9	5.7	11.3		25.1	29	+0.1	9			19	23	5	22	10	7	0	0	0	0	1	1	0				0	5.71	
		FASKALLY																													
		KINDROGAN											48				10	8													
		BRODICK CASTLE											15	14	5		7														
		COCKLE PARK																													
		SCARBOROUGH		(6.7)	(9.8)																										
		YORK (HESLINGTON)	16.0		10.9																										
		TERRINGTON ST CLEMENT																													
		CAMBRIDGE BG																													
		MEPAL																													
		EAST BERGHOLT																													
		ALDENHAM SCHOOL																													
		GARSTON		6.5																											
		HODDESDON																													
		STANSTEAD ABBOTTS	(16.5)		(11.3)								64	140	37	5															
		NEWTORPE	(15.7)				(27.0)	31																							
		WATNALL																													
		OAKEN																													
		BIRMINGHAM KES																													
		COVENTRY AIRPORT																													
		WELLESBOURNE	16.4	5.6	11.0																										
		MEDMENHAM	(17.2)	(5.1)	(11.1)																										
		GREENWICH																													
		HARROW WEALD	(16.8)		(11.7)		26.5	31																							
		ST JAMES PARK			(11.7)																										
		GILLINGHAM																													
		GOUDHURST				-0.1																									
		HERNE BAY					23.0																								
		MARGATE					22.1																								
		LONG SUTTON																													
		PLUMPTON		6.7																											
		MOOR HOUSE		(2.2)	(7.3)																										
		NEWTON RIGG		5.7	11.0	+0.9																									
		HELMSHORE																													
		MORECAMBE																													
		SLAIDBURN		5.9																											
		STONYHURST				+0.7																									
		ST HELENS																													
		KNUTSFORD																													
		BOTWNOG		7.2	11.5																										
		BWLCHGWYN		5.6	9.7																										
		COLWYN BAY	15.0		11.4																										
		RUTHIN		6.2	11.1																										
		CARMARTHEN	17.3	6.0				31	+2.0	10,15																					
		SKOKHOLM ISLAND																													
		SWANSEA																													
		PORTHCRAWL	16.1	8.1	12.1		23.5	31	+3.6	10																					
		BRIDGEND	(16.9)		(12.1)		25.9	31																							
		CARDIFF (BUTE PARK)		7.5	12.4																										
		BATH																													
		HAWKRIDGE																													
		NETTLECOMBE		(5.9)	(10.9)				+2.1	16,17			56	54			10	9													
		SIDMOUTH																													
		BALLYLUMFORD		6.8	10.9								28	45		1	7	4													
		CARNLOUGH	14.4	6.1	10.3		21.9	29,31																							
		ANDERSONSTOWN	15.9	6.4	11.1		23.6	29																							

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.



# MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

MET.0.921

UDC 551 506 1 (41-4)

SUMMARY

1978

VOLUME 95

NUMBER 13

## Some heavy snow in January and February; changeable spring; cool, cloudy summer; mild, dry autumn; wet December.

The weather during the first two months of the year was most remarkable for severe blizzards which occurred in north-eastern Scotland in January and over south-western England and South Wales in February. March was a mild, wet month almost everywhere, but April was cold and dull, although rainfall was well below average in some areas. For much of Scotland and Northern Ireland, April also marked the start of five consecutive months with below-average rainfall. The summer months of June, July and August were generally rather cool and dull in all areas. Over England and Wales the months of September, October and November were unusually dry, but the year ended with most parts of the United Kingdom having a very wet December and by the end of the month the weather became very cold and snowy.

### WEATHER

**January** - The month was generally unsettled with severe gales at times. There were heavy falls of snow in some districts, particularly in Scotland and Northern Ireland on the 10th and over northern and eastern Britain on the 19th. On the 28th and 29th north-eastern Scotland was affected by a severe blizzard.

**February** - The changeable weather of January continued for the first week of the month, but the next fortnight was very cold with easterly winds and snow in many areas. Heavy falls of snow occurred in the north during the second week and in the south-west during the third week, when a severe blizzard affected south-western England and South-Wales. This was followed by a rapid thaw, which led to flooding in some areas.

**March** - The first half of the month was mild and there were outbreaks of rain or showers at times. Colder weather reached most districts around mid-month and sleet or snow occurred in many areas, particularly on the 15th and 16th. Milder weather returned during the last few days.

**April** - The weather was mostly changeable, cool and rather dull. Snow fell in many areas during the second week and there were also scattered falls of snow or sleet at other times during the month.

**May** - The first half of the month was generally cool, especially in eastern coastal areas, but temperatures then rose and it became very warm towards the end of the month. Although many western areas had little rain, other districts, particularly in the south-east, had heavy rain at times with thunderstorms in places.

**June** - The warm sunny weather at the end of May continued into early June, but thunderstorms broke out in many districts. After the first few days, however, the weather during the rest of the month was mostly cool and changeable.

**July** - Although there was a short spell of mainly dry and sunny weather in the second and third weeks, much of the month was cool and unsettled. Outbreaks of rain became increasingly frequent after the 21st and there were thunderstorms in many places.

**August** - The weather was generally cool and dull with outbreaks of rain and scattered thunderstorms until early in the third week, when there was a change in most areas to somewhat warmer and drier weather.

**September** - It was mostly a dry and sunny month in southern counties, but over the remainder of the United Kingdom the weather was changeable. There were widespread gales around mid-month and again in the last few days.

**October** - Apart from north-western parts of Scotland, this was a very dry month in many areas, particularly in the south. It was also sunny and very warm at times.

**November** - The first three weeks were mild and overnight fog developed frequently in southern parts of England and Wales. After an unsettled spell in the middle of the month, with gales in places, the weather became very cold with some snow showers in the last week.

**December** - Except in north-western Scotland, most areas had a very wet month and there were severe gales at times. Mild spells alternated with colder weather but by the end of the month it became very cold everywhere.

### WIND

Over much of Scotland the number of days during the year on which gales occurred was below average, exceptions being the Inner Hebrides and exposed western coasts of Strathclyde. Over most of England, Wales and Northern Ireland gale frequencies were about or below average, but in some western and south-western coastal areas occurrences were above average. Gales were widespread and severe at times during January. On the night of the 2nd/3rd westerly gales developed and a gust of 110 kt was recorded at the high level station at Snaefell (Isle of Man); severe northerly gales affected many areas on the 11th/12th, when the strong winds, coinciding with high tides, led to much flooding and damage along the east coast of England; and on the 28th and 29th severe northerly gales brought blizzard conditions to northern Scotland. During February, south-western areas were affected by severe gales on the 1st and 2nd and again on the 18th and 19th. Winds were generally lighter during the first two weeks of March, except along some western and northern coasts, but during the last two weeks of the

month stronger winds occurred and a gust of 79 kt was recorded at Scilly (St Mary's) on the 22nd. Winds occasionally reached gale force on exposed coasts during April, and Tiree in the Inner Hebrides recorded a gust of 61 kt on the 9th. During May, winds were often light, and sea breezes occurred in some coastal districts. Winds reached gale force in the west and north on a few occasions during June, and on the 17th north-easterly gales affected some coastal areas in England and Wales. At the beginning and end of July, gales were reported on exposed western and northern coasts, although winds were generally lighter at other times during the month. During much of August winds were light or moderate, but occasionally became fresh or strong on exposed coasts. Gales were widespread at times during September. On the 11th high winds over England and Wales led to the death of two people and on the evening of the 16th severe gales affected northern Scotland, with gusts of more than 80 kt occurring in Orkney and Shetland. During October, winds were often fresh or strong in exposed places in western and northern areas and occasionally reached gale force. Throughout November gales occurred frequently in the north; at Lerwick, in Shetland, gales were recorded on 14 days during the month, the highest total for any November since 1953. On the 14th Kirkwall (Orkney) recorded a gust of 80 kt and Fair Isle reported a gust of 100 kt. December was also a windy month with frequent gales in exposed places, except during the third week when winds were lighter. On the 7th gusts of over 70 kt were reported from several high-level stations in the north, and on the 12th and 13th gusts of between 70 and 75 kt were recorded in the Isles of Scilly and along the Channel coasts during severe south-westerly gales.

### TEMPERATURE

Mean temperatures for the year were within 0.5 °C of average almost everywhere. Values were around or just below average in most areas and exceeded the normal only in parts of Northern Ireland, in some eastern coastal districts of Scotland, and in a few widely scattered areas in north-western England, the Midlands and south-eastern England. Monthly mean temperatures were mostly below normal in January and February, but March was a mild month. Mean temperatures in April were well below average in all districts. May was a month of contrasts with eastern districts of England remaining very cool for much of the month, whilst other areas, and especially Northern Ireland and Scotland, were warm. June, July and August were cool months with mean temperatures below normal in most areas, but the autumn months of September, October and November were mild. Mean temperatures for December were below average in most areas, except in East Anglia and southern counties of England.

**January** - Monthly mean temperatures were between 0.5 and 1.0 °C below average in Cornwall, in northernmost counties of England and over much of Scotland, but were mostly within 0.5 °C of normal elsewhere. Although the second half of the month was generally colder than the first, there were some cold nights early in the month, the temperature falling to -18.2 °C at Lagganlia in the Scottish Highlands on the 4th.

**February** - Mean temperatures were below average everywhere. After the first week the weather became very cold; in parts of eastern England the temperature did not rise above 0 °C during the period from the 9th to 13th. In Scotland the lowest temperature reported since 1963 occurred at Keith (Grampian Region) on the 20th when a minimum of -22.0 °C was recorded.

**March** - This was generally a mild month with mean temperatures above average almost everywhere. The second week was very mild with maxima exceeding 18 °C at one or two places in central England and near the Welsh border in Powys.

**April** - Monthly mean temperatures were mostly between 1.0 and 2.5 °C below normal. This was the coldest April over England and Wales generally since 1922, over Northern Ireland since 1941 (although 1966 was similar) and over Scotland since 1970. Minima of around -10 °C were recorded at a few places in Scotland and in North Wales on the nights of the 9th/10th and 10th/11th.

**May** - Most eastern areas remained cool with mean temperatures below normal, but in northern and western parts of the United Kingdom mean temperatures were above average. Districts away from the east coast became very warm towards the end of the month with maxima reaching about 28 °C in one or two places.

**June** - Although the first few days of the month were warm with maxima exceeding 28 °C at several places, much of the month was cool with mean temperatures below average in most areas.

**July** - Monthly mean temperatures were below average in all areas. Although the month was generally cool, it became warm in many places between the 9th and 17th and again towards the end of the month, when a maximum of 27.6 °C was recorded at Gillingham (Kent).

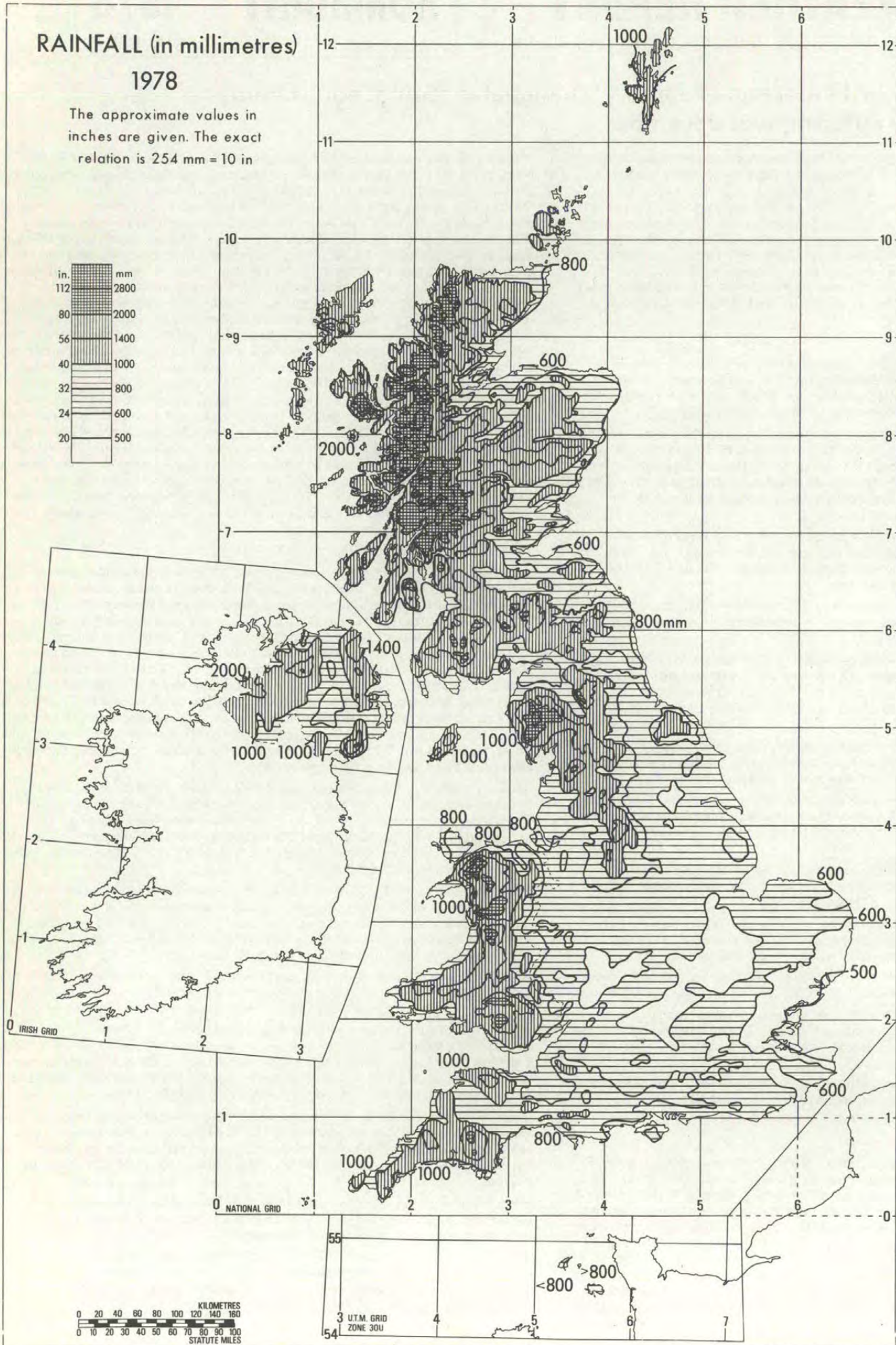
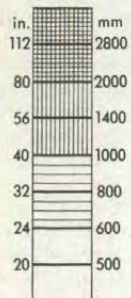
**August** - This was another cool month with mean temperatures below average, except in eastern Scotland and in the Border counties. The highest temperatures occurred on the 20th when maxima of 26.5 °C were reported in south-eastern England.



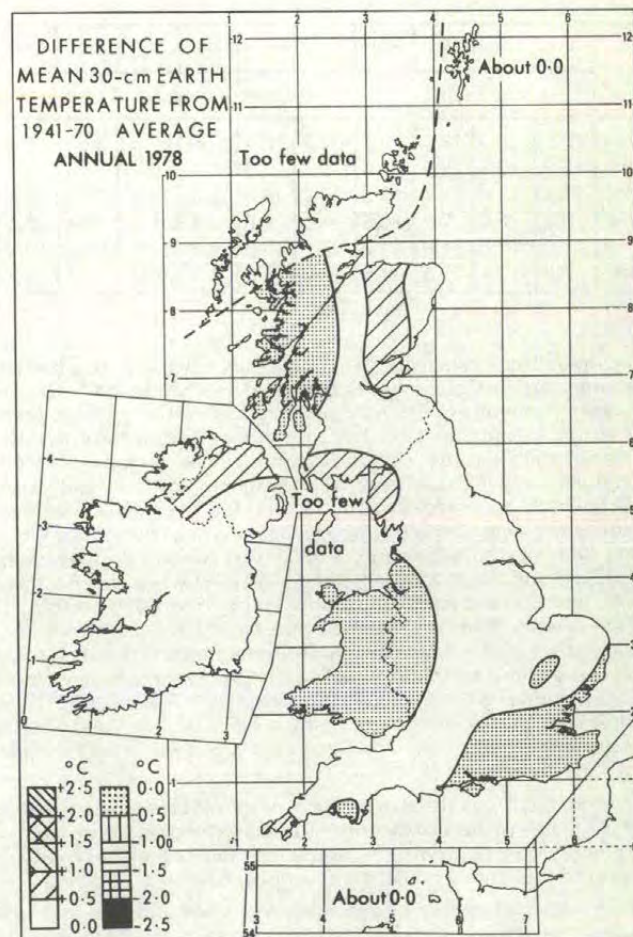
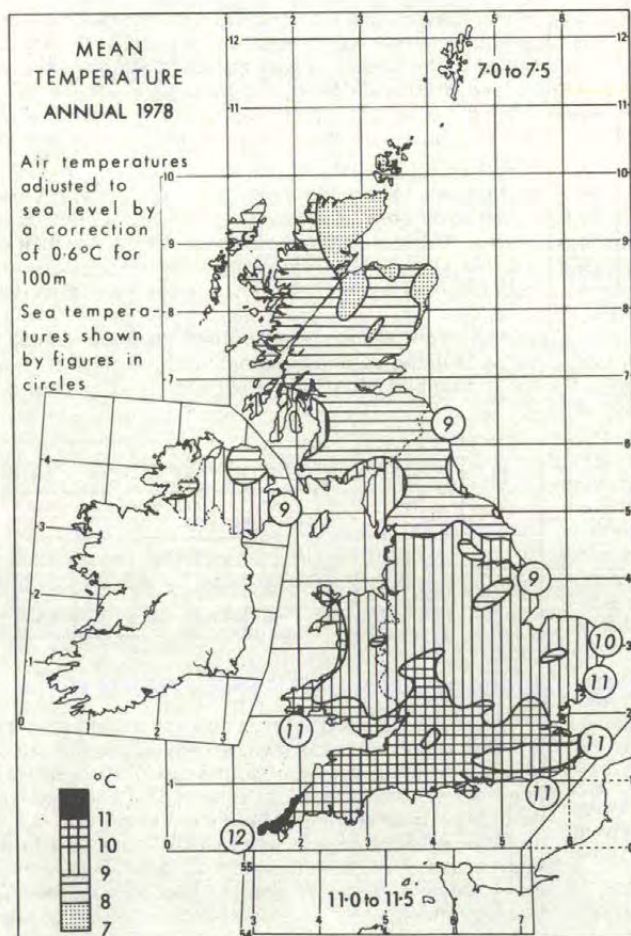
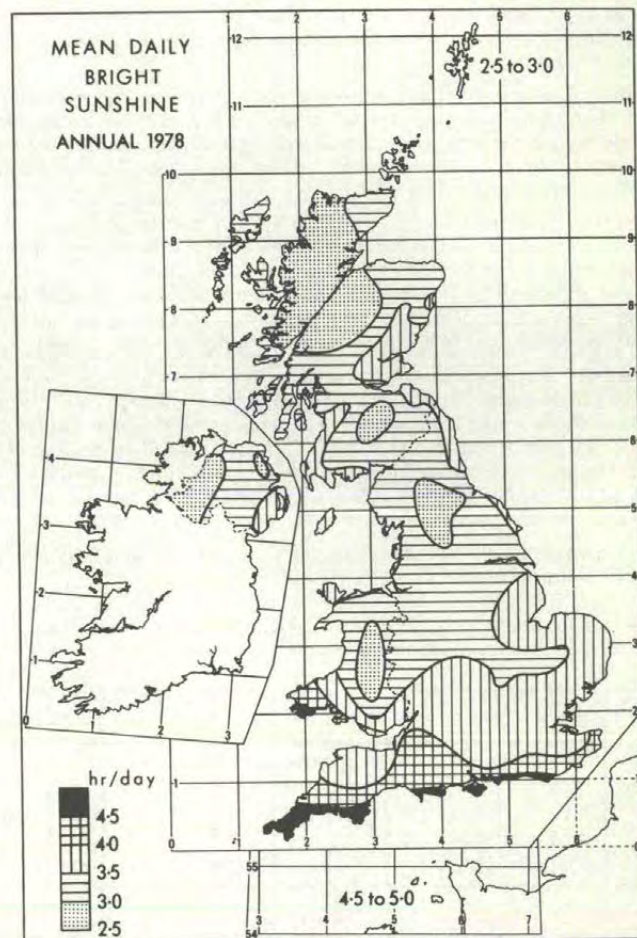
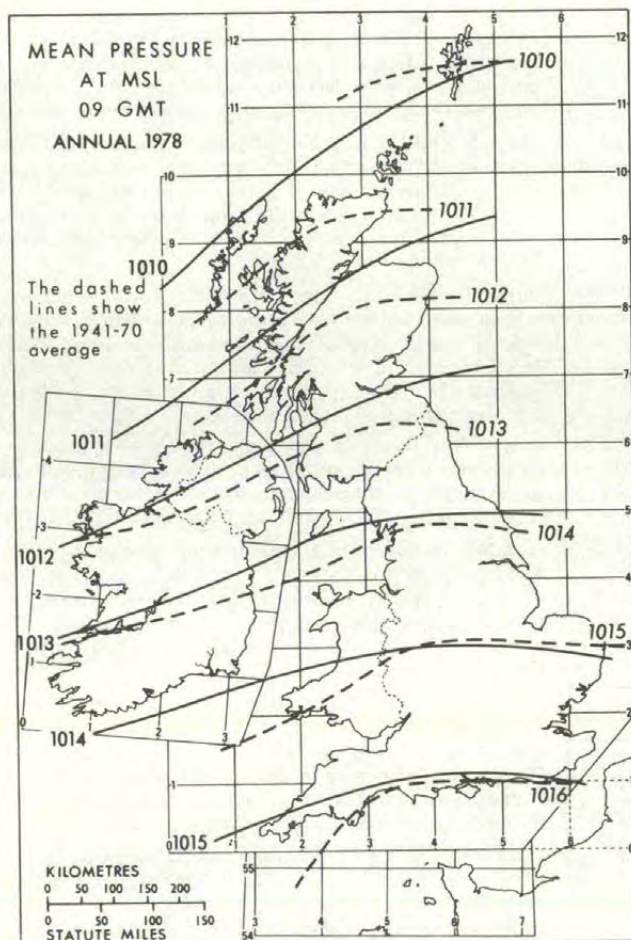
# RAINFALL (in millimetres)

1978

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









**September** - Monthly mean temperatures were within 1 °C of average almost everywhere. The month started rather cool, but it became very warm in some areas during the second week, temperatures reaching 26 °C at one or two places in East Anglia on the 10th.

**October** - Except in Shetland, monthly mean temperatures were above average everywhere, exceeding the normal by between 1 and 2 °C in many areas. After the first few days it became warm in many districts and during the second week maxima of at least 25 °C were recorded at several places in East Anglia, the south Midlands and southern England.

**November** - Despite a very cold spell in the last week, monthly mean temperatures were above average almost everywhere with values more than 2 °C above normal in many districts. The weather was generally mild until the 23rd and maxima of around 18 °C were recorded at several places. It became very cold in the last week with widespread frost, the temperature falling to -11.5 °C at Mepal (Cambridgeshire) on the night of the 29th/30th.

**December** - Monthly mean temperatures were below average, except in southern counties of England, in parts of East Anglia and in a few places in northern Scotland. After a cold start, most areas became mild until around mid-month; on the 10th the temperature rose to 16.0 °C at Yeovilton (Somerset) and to 16.1 °C at Pen-y-Ffridd (Gwynedd) on the 11th. Colder conditions returned during the third week and, after another mild spell in southern counties, very cold weather spread to all areas at the end of the month.

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

Departures from 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)	-0.1	-1.1	+1.0	-2.0	-0.1	-0.7	-1.2	-0.7	+0.2	+1.2	+1.8	-0.3	-0.2
(b)	-0.7	-1.8	+0.5	-1.4	+1.0	-0.2	-0.9	-0.1	+0.1	+1.1	+1.3	-0.4	-0.1
(c)	-0.4	-0.9	+0.1	-1.5	+0.6	-0.8	-0.6	-0.2	+0.6	+1.5	+1.7	-0.5	0.0

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	12.6	15.5	18.3	19.4	28.4	28.4	27.6	26.5	26.1	25.4	18.4	16.1
Min	-12.0	-15.1	-7.5	-11.2	-3.6	-3.6	1.7	0.4	-2.5	-2.5	-11.5	-11.7
(b) Max	11.6	12.4	15.8	17.8	27.0	28.8	25.5	24.0	22.3	20.8	18.1	14.0
Min	-18.2	-22.0	-7.2	-10.5	-5.6	-4.2	-1.1	1.1	-1.7	-2.1	-10.1	-15.2
(c) Max	11.2	12.8	14.0	16.2	25.9	25.6	24.8	23.1	21.8	19.9	17.3	14.0
Min	-7.2	-10.6	-5.6	-7.5	-3.0	1.8	1.7	4.0	3.7	2.2	-9.0	-8.5

## RAINFALL

Annual rainfall totals were above average over much of the eastern half of Britain extending from the Greater London area in the south to the Moray Firth in the north. Above-average rainfall also fell in north-western parts of Scotland and in the Central Lowlands, over much of Northern Ireland, in parts of North Wales and in some coastal areas of southern England. Values ranged from 100 to 120 per cent of the normal in these areas. Most remaining districts had less than average rainfall but with values mostly above 80 per cent. During the first three months of the year rainfall was above average in many parts of the United Kingdom but a five-month period commenced in April during which monthly rainfall totals in most of Scotland and Northern Ireland were below average. Rainfall was more variable over England and Wales during this period, but many places recorded less than average. During September, Scotland and Northern Ireland were wet, whilst most areas in England and Wales remained dry. October was a dry month almost everywhere and rainfall was also below average during November over most of England and Wales, where the period from September to November was the driest such period since 1805. Some parts of northern and western Scotland were very wet in November, and December was a wet month in most areas, except in north-western Scotland.

**January** - Rainfall was about or below average in some western districts, but was above normal elsewhere with monthly totals exceeding 150 per cent of average in many places. More than twice the normal rainfall for the month was reported over high ground in Cumbria and in the Grampian Region of Scotland.

**February** - Rainfall was below average in extreme south-eastern England, in parts of Wales and north-western England, over much of Northern Ireland and in the western half of Scotland. Monthly totals were above average in most other areas, with more than twice the normal falling in places in eastern Scotland and north-eastern England, in the Channel Isles and in most of south-western England.

**March** - Monthly totals were below average in parts of Wales, in north-eastern and extreme south-eastern England and in the central Midlands. All other areas had above average rainfall with totals exceeding 200 per cent of normal in some districts. A number of places in Scotland had their wettest March on record and over Northern Ireland it was the wettest March since 1940.

**April** - Rainfall was above average in eastern coastal areas from the Moray Firth to the Wash and over most of England south-east of a line from the Wash to Torbay. Totals exceeded 150 per cent of normal in parts of eastern Scotland and in Kent. Rainfall was below average almost everywhere else, with less than half the normal being recorded in many places. Parts of western Scotland were particularly dry with totals below 25 per cent of average.

**May** - Except in parts of north-eastern England and in an area extending from the Humber to the Home Counties, rainfall was below average for the month. Most western areas and a large part of central and southern Scotland recorded less than half the normal, with less than 25 per cent of average falling in places. At Stornoway (Western Isles) and Paisley (Strathclyde) this was the driest May since 1890 and 1895 respectively.

**June** - Rainfall distribution was rather variable but, in general, totals were below average in most northern and western areas, and over much of southern England. Above-average rainfall was recorded elsewhere; in a broad belt extending from North Wales to Lincolnshire and Norfolk, totals exceeded 150 per cent of the normal. On the 1st, 82.4 mm of rain fell in 2 hours at Heythrop College, near Chipping Norton (Oxfordshire).

**July** - Monthly totals were generally below average in Northern Ireland and over much of Scotland. Rainfall was more variable over England and Wales, but many areas had more than the normal for the month. There were heavy falls in some places: on the 31st, 71.4 mm fell at Winfrith (Dorset) in 13 hours from 0325 GMT.

**August** - Rainfall amounts were very variable. Monthly totals were above average in parts of eastern and southern Scotland, north-eastern England, North Wales and in a few isolated areas elsewhere in the United Kingdom. Rainfall totals were mainly below average in remaining areas and some districts were very dry with less than half the normal being recorded in parts of South Wales and southern England.

**September** - There was a sharp contrast between the rainfall totals recorded in the north and those in the south, values ranging from over 200 per cent of average in the south of Argyllshire to less than 20 per cent in parts of southern England. Rainfall totals were generally above average over much of Scotland and Northern Ireland, and also in parts of north-western and north-eastern England. Most other areas had less than average rainfall.

**October** - The month was very dry in all areas, except in north-western Scotland. Less than 25 per cent of the average fell in parts of eastern Scotland, and also in an area south of a line from the Humber to south-west Wales, where many places had less than 10 per cent of the normal. At Gravesend in Kent the total rainfall for the month was only 0.1 mm.

**November** - Rainfall totals over much of Scotland were well above average, although the eastern coastal strip was dry with only about 30 per cent of normal falling in the Aberdeen area. Rainfall was above average over most of Northern Ireland, and also in Wales and in parts of north-western England. Over remaining parts of England less than half the normal fell in many places and along the Sussex coast only about 10 per cent of average rainfall for the month was recorded.

**December** - Except in the north-west of Scotland, where some places recorded less than 25 per cent of average, monthly rainfall totals were well above the normal. Many places recorded more than twice their normal rainfall, and over Northern Ireland it was the wettest December since records began in 1900 whilst over England and Wales taken together it was the wettest since 1934.

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)	133	124	136	94	73	110	121	75	64	21	56	204	101
(b)	120	114	183	66	43	73	80	81	126	61	144	108	101
(c)	119	99	163	48	42	66	80	83	101	46	112	192	95

## THUNDER

Thunder was reported at times during each month of the year. Throughout the first four months thunderstorms were only scattered, but during the first week of May heavy rain and thunderstorms occurred in parts of eastern and south-eastern England, leading to flooding in places. On 22nd May isolated thunderstorms were reported in Scotland and in Northern Ireland, where 32 mm of rain fell in 30 minutes at Knockbreckan near Belfast. There were further thundery outbreaks in many places on 31st May, and on 1st June severe thunderstorms occurred in many areas; in central England hailstones measuring up to 3 cm were reported, local flooding caused considerable damage and power supplies were disrupted by lightning. Many areas were also affected by storms on 4th June and there were isolated reports of thunderstorms at other times during the month. Thunderstorms occurred in places during the early part of July and again towards the end of the month. During the first half of August scattered thunderstorms were reported in many areas; on the 2nd thunderstorms disrupted electricity supplies in parts of Scotland, and on the 3rd a girl was injured by lightning at Lowestoft (Suffolk). There were scattered thunderstorms during September, and in October isolated thunderstorms occurred during the middle two weeks of the month. Isolated thunderstorms were reported in north-western districts during



November and there were a few reports of thunderstorms during December, mostly in the south and south-west.

## SNOW AND SLEET

Snow or sleet fell on more days than average in most areas during January. Shetland, south-eastern Scotland and north-eastern England also had snowfall on more than the average number of days in February, but elsewhere the frequency was about normal. During March snow was reported on about the average number of days in most areas, although there were more occasions than normal in Northern Ireland and over high ground in Scotland, the south Pennines, Wales and Dartmoor. The number of days with snowfall was above average in central and southern England and in Northern Ireland during April; elsewhere occurrences were about average. Sleet showers were reported in Shetland early in May, and over the higher parts of the Scottish mountains there were isolated reports of snow or sleet in each month from May to September. Snow patches continued to lie at high levels in Scotland throughout the summer and it was not until late September that the last observed patches finally thawed. There were several occasions during October when snow or sleet was reported in Shetland and also over high ground in Scotland, England and North Wales. During November and December the number of days with snowfall was about average in most districts.

**January** - Snow fell in northern districts of the United Kingdom at the beginning of the month, but also affected many other areas between the 9th and 12th and from the 16th onwards. Snowfall was heavy in northern areas on the 10th and again in northern and eastern Britain on the 19th. The heaviest falls, however, were at the end of the month when, on the 28th and 29th, north-eastern Scotland experienced a severe blizzard which brought considerable hardship to the area.

**February** - During the middle two weeks all areas had showers or longer periods of snow at times. On the 12th Edinburgh had its heaviest snowfall since 1955, when level depths of between 20 and 25 cm were measured in the city. On the 18th and 19th south-western England and South Wales were affected by an unusually severe blizzard: drifts of at least 6 m were reported over a wide area and several towns and villages were isolated for some days.

**March** - There were scattered showers of snow or sleet in parts of Scotland during the first week, but snowfall became rather more widespread around mid-month. Snow did not lie for long on low ground, but the upper slopes of the Scottish mountains were snow-covered throughout the month.

**April** - Falls of snow or sleet were mostly confined to the periods between the 9th and 15th and between the 25th and 28th. The heaviest falls were on the 10th and 11th when many parts of the United Kingdom were affected: a level depth of 20 cm was reported at Bedford on the evening of the 10th.

**May** - Sleet showers occurred in Shetland at the beginning of the month and the higher slopes of the Scottish mountains remained snow-covered throughout the month.

**June, July and August** - There were isolated reports of snow or sleet over high ground in Scotland.

**September** - Sleet fell in the central Highlands of Scotland on the 23rd and 24th. Patches of lying snow which had been observed on the higher slopes of the Cairngorms finally disappeared during the third week.

**October** - Snow showers occurred in Shetland on the 20th and 24th, but otherwise reports of snow were restricted to mountain areas in North Wales, the Pennines and Scotland.

**November** - Scattered showers of snow or sleet occurred at times in northern areas between the 12th and 23rd, but snow showers were reported in many areas from the 24th onwards. Snow covered the higher Scottish mountains during the last week and also lay on high ground in Wales and in northern and south-western England.

**December** - Scattered snow showers fell during the first few days of the month and between the 20th and 23rd falls of snow were more widespread. During the last few days of the month there were frequent falls of snow in all areas and strong easterly winds led to considerable drifting; drifts of up to 2 m were reported in the central Highlands of Scotland, on the Yorkshire Wolds and on Dartmoor.

## SUNSHINE

Annual sunshine totals were below average in most districts with values generally between 80 and 100 per cent of normal. Only in isolated areas in Northern Ireland, in the north Midlands and in south-west England were totals above average with values around 105 per cent. Sunshine totals were rather variable during the first three months of the year, although January was quite sunny in some areas. April was dull in most districts, but May was sunny in Scotland and in parts of England and Wales. The summer months of June, July and August were dull in many districts and in parts of Scotland the remaining months of the year were also rather dull. September was sunny over much of England and Wales, but it continued generally dull in Northern Ireland. Although October sunshine totals were below average in parts of Scotland, England and Wales, Northern Ireland had a sunny month; this ended a spell of seven consecutive months when sunshine totals were below average in the Province. Some parts of England and Wales were quite sunny in November, but December was dull in most areas, except in Northern Ireland.

**January** - Monthly sunshine totals were below average in East Anglia, the east Midlands, Lincolnshire and Kent, and over northern Scotland. All other areas had more than normal for the month, with totals exceeding 150 per cent of average in places. It was the sunniest January at Torbay (Torquay) and Teignmouth in south Devon since 1952, at Springburn Park in Glasgow since 1959 and over Northern Ireland as a whole since 1963.

**February** - Sunshine totals were above average over much of the western half of Scotland, in Shetland and in parts of Northern Ireland. Totals were below normal in most other areas with values generally between 70 and 100 per cent of average, although a few places recorded only about 50 per cent.

**March** - Monthly totals were above average in south-eastern parts of Northern Ireland, in Shetland and Orkney, along eastern coasts from the north of Scotland to East Anglia, in North Wales and also in parts of central and southern England. Sunshine was mostly below average elsewhere.

**April** - Except in Shetland, sunshine was below average almost everywhere and in Edinburgh it was the duller April since 1901. Monthly totals were between 75 and 100 per cent of the normal in most western and northern parts of the United Kingdom, but were only between 50 and 75 per cent in many other areas.

**May** - Sunshine totals were a little below average in south-eastern England and East Anglia, in Northern Ireland and in parts of western Scotland. Elsewhere, totals were mostly between 100 and 120 per cent of average, but exceeded 130 per cent in the Aberdeen area.

**June** - Only in parts of eastern, central and southern Scotland was sunshine above average. Monthly totals elsewhere were mostly between 80 and 100 per cent of normal, although in Northern Ireland and in some places in Wales and central England only between 60 and 80 per cent was recorded.

**July** - Monthly totals were below normal almost everywhere in England and Wales. Values were between 50 and 75 per cent of average in parts of Lincolnshire, East Anglia, South Wales and all southern counties of England, except Cornwall; Southampton had its duller July since 1944. Sunshine was also below average over much of Northern Ireland and in the east and north of Scotland, where Baltasound in Shetland recorded only 66.5 hours, the lowest July total there since records began in 1906.

**August** - Except in southern counties of England, sunshine totals were below average. In one or two places in south-west England and the Channel Islands, totals exceeded 120 per cent of normal, but many areas were very dull with less than 75 per cent of average. Parts of western Scotland had only just over half the normal sunshine for the month and over Northern Ireland it was the duller August since 1942.

**September** - In Scotland, sunshine was above average in the north-east, but below average in other districts. Northern Ireland, the Isle of Man, a few places in North Wales and most of northern England away from eastern coasts also had less than normal sunshine for the month. Almost all remaining districts in England and Wales had above-average sunshine with about 140 per cent of normal being recorded in parts of south Devon.

**October** - In Northern Ireland this was the sunniest October since 1959 and Hillsborough in Co. Down recorded more than 140 per cent of its normal. Monthly totals were also above average in Shetland, in parts of western Scotland, along the east coast of Scotland and England north of the Humber, and in places in southern counties of England and Wales. Most remaining areas had less than average sunshine for the month with values generally between 80 and 100 per cent of the normal.

**November** - Sunshine was above average in eastern Scotland, in the Channel Islands and over most of England and Wales. Some places were very sunny, with over 160 per cent of the normal being recorded in parts of the Midlands and eastern England. In contrast, some places in western Scotland were very dull, with less than 65 per cent of average in the Hebrides. The Isle of Man and most of Northern Ireland also recorded less than average sunshine.

**December** - Monthly totals were above average over Northern Ireland and also in western areas of Britain, but were below average almost everywhere else. Much of England and Scotland, away from the west, had a dull month with less than 50 per cent of average sunshine being recorded in parts of north-east England and east Scotland.

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)	102	78	104	72	103	81	79	86	111	91	126	76	90
(b)	105	99	94	77	111	94	89	74	83	91	96	76	91
(c)	122	102	98	78	89	75	93	64	86	112	87	118	88

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



Station	Hours	Station	Hours
L'Ancrese (Guernsey)	1880.8	Shanklin (Isle of Wight)	1824.2
St. Helier (Jersey)	1879.5	Lizard (Cornwall)	1798.4
Torbay (Torquay) (Devon)	1853.7	Jersey Airport	1785.4
Gorey Castle (Jersey)	1832.9	Prawle Point (Devon)	1763.6
Penzance (Cornwall)	1827.2	Guernsey Airport	1757.5

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)	1421.0	Kildonan (Strathclyde)	1427.1	Dale Fort (Dyfed)	1723.9
Silent Valley (Co. Down)	1354.7	Girdstingwood (Dumfries & Galloway)	1393.0	Tenby (Dyfed)	1674.8
Murlough (Co. Down)	1351.1	Arbroath (Tayside)	1389.2	Porthcawl (Mid Glamorgan)	1628.8

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	Torbay (Torquay) (Devon)	95.1
February	Poolewe (Highland)	101.1
March	Whitby (North Yorkshire)	145.9
April	Ronaldsway (Isle of Man)	183.9
May	Dale Fort (Dyfed)	273.0
June	Shanklin (Isle of Wight)	244.8
July	St. Helier (Jersey)	201.1
	Kildonan (Strathclyde)	199.3
August	L'Ancrese (Guernsey)	291.4
	Lizard (Cornwall)	261.4
September	L'Ancrese (Guernsey)	218.5
	Torbay (Torquay) (Devon)	218.2
October	Eastbourne (East Sussex)	137.8
November	Worthing (West Sussex)	103.2
December	St. Mawgan (Cornwall)	72.3

## FOG

Fog developed in inland areas on occasions during each month of the year. In January, February, November and December freezing fog was reported at times. During these months, and also in March and October, dense fog was sometimes slow to clear and occasionally persisted all day. Hill and coastal fog was also reported at times during each month.

**January** - Much of the month was too windy for the development of widespread fog in inland areas. However, fog formed in many places on the nights of the 7th/8th and 17th/18th and persisted during the following day in parts of eastern England.

**February** - Patches of fog formed at times throughout the month and on the 7th was slow to clear in parts of central England and west Wales. Extensive hill fog was reported on the 25th and 26th.

**March** - Overnight fog in inland areas mostly occurred during the first two weeks and generally cleared quickly after sunrise, but on the night of the 3rd/4th fog developed widely over England and Wales and was slow to clear in places. Extensive hill and coastal fog was reported in the north and west between the 7th and 10th.

**April** - Fog occurred most frequently during the first week, from about the 17th to 24th and towards the end of the month. Eastern counties of Scotland and England, and the Midlands, were the most affected areas and fog formed extensively on coasts and hills at times.

**May** - Overnight fog patches formed from time to time, and during the first week became dense in places. Coastal fog was persistent at times, particularly during the second half of the month.

**June** - Patches of overnight fog developed in many inland areas at the beginning of the month and also during the third week, but soon cleared after sunrise. Coastal fog was more persistent, however, particularly in south-western districts and in the north of Scotland.

**July** - Fog affected western and northern coasts fairly frequently and also occurred in eastern Scotland and north-eastern England towards the end of the month. Patchy overnight fog formed in inland areas during the second week and also later in the month.

**August** - Fog patches in inland areas mostly occurred during the middle two weeks, but coastal fog was reported from time to time throughout the month and was widespread and persistent in northern Scotland and in the Northern Isles during the first week.

**September** - Most of the fog which formed in inland areas occurred between the 3rd and 11th or between the 19th and 25th. Fog mostly cleared quickly after sunrise in inland areas, but coastal fog was more persistent at times, chiefly affecting northern Scotland, west Wales, south-west England and the Channel Islands.

**October** - Overnight fog occasionally formed in inland areas during the first week but occurred more frequently during the second week and again towards the end of the month. Fog was widespread and dense in many places between the 12th and 14th and again in parts of England between the 27th and 29th.

**November** - Patches of fog formed in many areas during the first two weeks of the month and became dense in South Wales and in central and southern England between the 9th and 12th. Towards the end of the month freezing fog became dense in some places, persisting all day on the 29th in parts of the south Midlands and again on the 30th in the Vale of York and east Midlands.

**December** - Fog developed fairly frequently in eastern, central and south-eastern England during the first week and also between the 18th and 23rd. The fog was dense and freezing at times, persisting all day in places. Patches of fog also affected parts of southern Scotland at times.

## MISCELLANEOUS PHENOMENA

On 3rd January whirlwinds were reported in Hull (Humberside) and in Newmarket (Suffolk), where extensive damage occurred. Small tornadoes were also reported to have caused some damage to property in Macclesfield (Cheshire) and Walsall (Staffordshire) on 1st June. There were reports of funnel clouds during May and July: on 15th May numerous reports were received from places in Somerset, Oxfordshire, Norfolk, Suffolk and Essex, and during July a funnel cloud was observed over the sea to the north of Manston (Kent) on the 20th and another over the North Downs near Gatwick Airport (West Sussex) on the 30th. Waterspouts were also reported on two occasions; off Jersey in the Channel Islands on 26th September and near Scarborough (North Yorkshire) on 27th November.



Table 1 District values

1978

DISTRICT	air temperature °C					mean 30-cm earth temp °C	raindays	rainfall	sunshine
	Highest Max*	Lowest Min*	max	min	mean				
			difference from average						
0 Scotland N	28.5	-10.5	-0.4	-0.2	-0.2	-0.2	+3	99	88
1 Scotland E	26.7	-20.5	-0.3	+0.2	0.0	+0.5	+7	108	95
2 England E & NE	28.4	-14.2	-0.4	-0.1	-0.3	+0.3	+10	116	85
3 East Anglia	28.4	-10.2	-0.4	+0.1	-0.2	0.0	+6	102	88
4 Midland Counties	27.0	-10.9	-0.3	0.0	-0.2	+0.1	+3	101	92
5 England SE & Central S	27.5	-9.4	-0.2	+0.1	-0.1	-0.1	+1	95	91
6 Scotland W	28.5	-13.9	-0.3	+0.1	-0.1	+0.2	+3	97	89
7 England NW & Wales N	27.8	-10.0	-0.4	+0.2	-0.1	-0.1	+4	99	90
8 England SW & Wales S	27.1	-9.8	-0.3	-0.1	-0.2	0.0	-2	94	96
N Ireland	24.6	-8.4	-0.2	+0.3	0.0	+0.3	+1	95	88
Scotland	28.5	-20.5	-0.3	0.0	-0.1	+0.2	+4	101	91
England & Wales	28.4	-14.2	-0.3	0.0	-0.2	0.0	+4	101	90

† Highest maximum and lowest minimum of District Value Stations



Table 2 Solar radiation

1978

Station	Daily global irradiation on a horizontal surface (megajoules per square metre)						Daily diffuse irradiation on a horizontal surface (megajoules per square metre)					
	Max.	Date	Min.	Date	Daily Mean	No. of Days	Max.	Date	Min.	Date	Daily Mean	No. of Days
Lerwick . . . . .	30.2	Jun 17	0.0	Dec 10, 11, 12	7.7	362	14.6	Jun 24	0.0	Dec 10, 11, 12	4.9	362
Aberdeen University . . . . .	28.8	May 30	0.1	Dec 26	8.2	364						
Eskdalemuir . . . . .	28.3	May 9	0.1	Dec 25	8.1	364	14.4	Jun 12	0.1	Dec 2	4.8	364
Moor House . . . . .	31.0	Jun 18	0.1	Nov 14	7.9	363						
Sutton Bonington . . . . .												
Grafham Water . . . . .												
Aberporth . . . . .	31.1	Jun 18	0.6	Dec 11	9.9	358	15.1	Jun 1	0.6	Dec 11, 23, 27	5.7	358
Cardington . . . . .	29.3	May 25	0.4	Dec 27			15.2	Jul 15	0.4	Dec 27		
Silsoe . . . . .	29.5	May 25	0.4	Dec 27	9.2	365	15.2	Jul 15	0.3	Dec 27	5.7	365
Rothamsted . . . . .												
Garston . . . . .												
Wallingford . . . . .	26.6	May 26	0.3	Jan 11	8.4	365						
London Weather Centre . . . . .	30.6	Jun 11										
Kew . . . . .	29.6	May 25	0.3	Dec 21	8.9	364	13.5	Jul 14				
Easthampstead . . . . .	29.9	May 25	0.4	Jan 16	9.2	361	13.6	May 19	0.3	Dec 21	5.5	364
		Jun 18		Dec 21			14.9	May 19	0.4	Jan 16	5.5	362
		Jun 18		Dec 20						Dec 21		
East Malling . . . . .	29.6	Jun 18	0.1	Dec 20	9.1	364						
Rustington . . . . .												
Wareham . . . . .	29.4	Jun 18	0.1	Dec 27	10.1	365						
Jersey Airport . . . . .	31.4	Jun 25	0.6	Dec 16	11.5	365	16.5	Jun 14	0.6	Jan 15	6.0	365
										Dec 16		
										Dec 8, 27		
Aldergrove . . . . .	30.7	Jun 17	0.3	Dec 27	8.7	362	13.9	May 30	0.3		5.5	362

Table 3 Summary of daily observations

1978

District Region/County and Place	max. min.	terminal h (GMT) of observation	height of station above MSL (metres)	air temperature in °C				mean earth temperature		rainfall (terminal h 09 GMT)				weather (number of days)												bright sunshine							
				means of		difference from 1941 - 70 average	highest max. lowest min.		30 cm (°C)	100 cm (°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 °C.	concrete min. below 0 °C.	gale	daily mean (hours)	percentage of 1941 - 70 average	exposure				
				max. (a)	max. (b)		daily mean (mean of a + b)	max.					min.	amount (mm)	date	0.2 mm or more														1.0 mm or more			
0 SCOTLAND N																																	
Shetland																																	
Baltsasound . . . . .	99	24	9.3	4.0	6.7	-0.6	21.3	-7.8	7.3	-	-	1144	100	23	30 Jul	268	205	71	29	8	11	3	3	63	-	45	2.62	94	-	-	-		
Fair Isle . . . . .	99	57	8.6	5.6	7.1	-	16.2	-5.1	7.7	7.8	-	874	-	30	4 Oct	241	170	70	24	25	51	5	21	33	74	-	93	3.06	-	-	-		
Lerwick . . . . .	21.9	82																															
Psychrometer . . . . .			8.5	4.9	6.7	-0.4	19.3	-6.6	-	-	-	1043	-	26	27 Jan	250	189	80	24	16	44	6	21	45	99	88	37	2.77	95	-	-	-	
Screen . . . . .			8.6	4.7	6.7	-	20.0	-6.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Orkney																																	
Kirkwall Airport . . . . .	21.9	26	9.7	5.1	7.4	-0.4	20.8	-5.7	-	-	-	1071	104	39	4 Oct	255	194	73	20	19	48	6	8	40	82	81	23	2.85	89	-	-	-	
Weyland . . . . .	99	24	9.9	5.4	7.7	-	20.7	-4.7	8.0	-	-	(1012)	-	38	4 Oct	(237)	(190)	62	22	5	20	4	15	34	99	-	27	-	-	-	-	-	
Western Isles																																	
Benbecula . . . . .	21.9	6	10.9	6.4	8.7	-0.2	24.6	-5.3	-	-	-	1166	-	38	8 Oct	268	195	45	3	8	28	4	2	38	82	65	23	3.20	85	-	-	-	
Stornoway . . . . .	21.9	15	10.3	5.8	8.1	-0.2	22.8	-6.8	-	-	-	1154	-	26	9 Nov	260	194	48	13	17	35	6	1	44	74	63	12	3.09	91	-	-	-	
Highland																																	
Achnav . . . . .	99	107	10.5	3.2	6.9	-	25.4	-15.9	7.4	-	-	1060	-	30	4 Oct	240	(188)	45	47	2	5	2	1	85	148	-	15	2.65	-	-	-	-	
Achnashellach . . . . .	99	67	11.4	4.5	7.9	0.0	27.2	-9.0	-	-	-	2179	101	59	5 Oct	268	214	52	40	4	0	6	-	64	-	-	2	-	-	-	-	-	
Balmacara . . . . .	99	4	-	-	-	-	25.4	-5.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cape Wrath . . . . .	21.9	112	9.4	5.6	7.5	-0.4	22.9	-5.1	-	-	-	1309	113	60	4 Oct	241	202	55	21	14	29	2	34	33	46	58	57	2.83	-	-	-	-	
Cassley . . . . .	99	99	(10.5)	3.8	(7.1)	-	25.5	-16.0	-	-	-	(1851)	-	67	5 Oct	257	(212)	-	-	-	-	-	-	-	70	151	-	-	-	-	-	-	-
Corpach . . . . .	99	8	(5.1)	-	-	-	-	-7.2	-	-	-	(1657)	-	70	13 Nov	(223)	(186)	25	-	0	4	1	0	51	106	-	0	-	-	-	-	-	-
Craigdarroch . . . . .	99	38	-	-	-	-	27.4	-14.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dalcross . . . . .	99	11	11.1	4.8	7.9	-	24.2	-16.0	-	-	-	658	-	23	14 Nov	203	128	-	-	-	-	-	-	54	110	-	6	-	-	-	-	-	
Dalwhinnie . . . . .	99	351	9.4	(2.3)	(5.9)	-	23.6	-15.0	-	-	-	1182	-	69	7 Dec	(232)	(184)	68	-	0	0	1	10	11	141	-	1	2.57	-	-	-	-	-
Diabaig . . . . .	99	60	11.5	6.1	8.8	-	26.5	-6.0	-	-	-	1394	-	55	28 Aug	248	197	38	22	4	16	11	-	37	-	-	14	-	-	-	-	-	
Dounreay . . . . .	99	21	(10.8)	(4.7)	(7.7)	-	26.0	(-10.0)	-	-	-	(888)	(99)	(29)	28 Jan	(237)	(186)	-	-	-	-	-	-	55	90	-	-	-	-	-	-	-	-
Fort Augustus . . . . .	99	21	11.3	4.9	8.1	0.0	27.4	-10.3	-	-	-	1073	-	33	28 Jan	210	161	40	25	2	5	5	6	61	-	-	5	2.51	89	-	-	-	
Fortrose . . . . .	99	5	10.5	-	-	-	22.0	-	-	-	-	606	93	30	14 Nov	187	128	-	-	-	-	-	8	-	-	-	-	-	2.77	82	-	-	-
Geisgail . . . . .	99	12	(11.0)	-	-	-	26.2	-	-	-	-	(1352)	-	35	2 Nov	(248)	(212)	-	-	-	-	-	-	-	-	-	-	-	2.90	-	-	-	-
Glenmore Lodge . . . . .	99	341	-	-	-	-	24.4	-16.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grantown-on-Spey . . . . .	99	229	10.4	2.6	6.5	-	25.5	-20.1	-	-	-	865	-	(54)	28 Jan	230	145	62	73	0	5	2	5	112	189	-	1	2.94	-	-	-	-	-
Heaste . . . . .	99	109	-	-	-	-	25.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inverness . . . . .	99	4	-	-	-	-	26.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inverpolly . . . . .	99	14	-	-	-	-	26.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isle of Rhum . . . . .	99	5	-	-	-	-	25.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Keiss . . . . .	99	30	10.1	4.6	7.3	-	19.8	-8.7	8.1	8.1	-	749	-	28	28 Jan	231	154	43	24	12	19	2	7	60	99	-	24	3.27	-	-	-	-	-
Knockanrock . . . . .	99	244	-	-	-	-	24.5	-10.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lagganlia . . . . .	99	250	10.5	2.6	6.5	-	25.4	-21.5	-	-	-	862	-	34	28 Jan	215	160	72	64	0	1	1	7	105	154	-	13	-	-	-	-	-	-
Lairg . . . . .	99	107	10.7	3.0	6.9	-	25.9	-17.3	7.4	7.4	-	1139	-	32	4 Oct	249	185	68	48	12	3	3	15	98	137	-	3	-	-	-	-	-	-
Lentran . . . . .	99	146	10.5	3.7	7.1	-	25.2	-11.5	-	-	-	(781)	-	34	4 Aug	(201)	(138)	46	-	0	12	3	9	83	152	-	23	-	-	-	-	-	-
Nairn . . . . .	99	6	11.1	4.4	7.7	-0.6	24.6	-14.9	-	-	-	642	105	26	15 Mar	196	130	42	20	2	20	1	0	69	117	-	11	3.27	93	-	-	-	-
Onich . . . . .	99	15	12.1	4.9	8.5	-0.1	28.5	-10.0	-	-	-	1824	90	55	14 Nov	224	208	-	16	-	-	-	10	51	110	-	-	2.27	79	-	-	-	-
Poolewe . . . . .	99	6	11.5	5.8	8.7	-	28.8	-9.1	-	-	-	1582	-	61	8 Oct	254	198	43	21	1	31	8	0	39	60	-	12	2.93	-	-	-	-	-
Prabost . . . . .	99	67	10.9	5.1	8.0	-	26.1	-6.2	-	-	-	1423	79	50	8 Oct	267	211	31	37	7	44	6	0	48	115	-	40	2.96	-	-	-	-	-
Strathconon . . . . .	99	107	-	-	-	-	26.7	-15.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tarbatness . . . . .	21.9	18	10.5	5.6	8.1	-0.2	23.2	-7.5	-	-	-	613	-	20	15 Mar	196	139	29	19	0	8	1	7	41	-	-	12	-	-	-	-	-	-
Tomatin . . . . .	99	311	-	-	-	-	25.1	-15.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Torrisdale . . . . .	99	27	10.6	4.7	7.7	-	26.1	-11.8	-	-	-	904	-	25	4 Oct	241	184	37	18	2	17	3	4	46	106	-	14	3.00	-	-	-	-	-
Wick . . . . .	21.9	36	9.9	5.0	7.5	-0.2	21.1	-10.5	-	-	-	741	94	33	28 Jan	231	156	51	17	2	41	2	9	53	107	82	7	3.23	93	-	-	-	-



Table 3 (continued)

District Region/County and Place	max. min.	terminal h(GMT) of observation	height of station above MSL (metres)	air temperature in °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 max. lowest min.		30 cm (°C)	100 cm (°C)	total fall (mm)	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 °C.	concrete min. below 0 °C.	gale	daily mean (hours)	percentage of 1941 - 70 average	exposure		
				max. (a)	max. (b)			max.	min.				percentage of 1941 - 70 average	amount (mm)	date	0.2 mm or more	1.0 mm or more															
				max. (a)	max. (b)			max.	min.				percentage of 1941 - 70 average	amount (mm)	date	0.2 mm or more	1.0 mm or more															
1 SCOTLAND E																																
Grampian																																
Aberdeen	21-9	58	10.9	4.6	7.7	0.0	25.4	-15.4	-	-	877	106	36	27 Jan	193	140	68	27	6	37	3	7	70	126	91	2	3.58	98	-	-	-	
Dyce Airport	99	283	10.1	2.5	6.3	-0.2	24.0	-19.5	-	-	(886)	(106)	(30)	28 Jan	(218)	(148)	56	66	0	0	0	-	108	159	-	3	-	-	-	-	-	
Balmoral	99	94	11.6	4.2	7.9	-	27.1	-12.4	-	-	1030	-	42	8 Dec	190	132	59	36	0	18	2	2	76	98	84	6	3.14	-	-	-	-	
Banchory	99	24	10.8	5.7	8.3	-	25.7	-9.0	-	-	687	91	27	28 Jan	208	139	35	21	5	12	3	7	38	-	33	3.28	-	-	-	-	-	
Banff	99	339	10.2	2.6	6.4	0.0	24.8	-20.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	102	-	-	-	-	-	-	-	S	
Braemar	99	338	9.5	2.7	6.1	-	24.6	-15.5	6.6	-	(1033)	-	52	3 Jul	(227)	(159)	78	80	3	4	2	6	103	161	-	25	3.04	-	-	-	S	
Clashnoir	99	91	10.6	4.4	7.5	-0.2	24.2	(-11.6)	8.1	8.2	866	102	34	22 Feb	202	147	44	29	1	4	2	18	63	119	-	3	3.67	97	-	-	S	
Craibstone	99	3	10.7	4.5	7.6	-	22.6	-15.2	-	-	809	116	27	27 Jan, 2 Jul, 2 Aug	203	138	25	-	0	0	1	16	65	118	-	3	-	-	-	-	-	
Culterty	99	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Elgin	99	40	10.1	4.9	7.5	-	21.5	-11.0	-	-	850	-	32	15 Mar	212	147	36	-	0	2	1	-	48	94	-	4	-	-	-	-	-	
Forehill	99	5	11.6	5.0	8.3	0.0	26.5	-16.1	9.3	8.9	684	-	31	3 Jul	203	138	47	18	0	4	3	2	58	121	-	0	3.03	85	-	-	-	
Forres	99	19	5.7	-	-	-	23.6	(-5.0)	-	-	(697)	(101)	23	15 Mar	196	142	38	7	3	5	2	9	39	71	71	28	3.32	-	-	-	-	
Fraserburgh	21-9	55	10.9	3.5	7.2	-	25.0	-20.0	-	-	(959)	(110)	38	3 Jul	(233)	(167)	34	-	0	0	5	-	80	119	-	36	-	-	-	-	-	
Fyvie Castle	99	146	10.7	(3.7)	(7.2)	-	25.8	-19.3	-	-	(1068)	-	60	3 Jul	(207)	(159)	-	-	-	-	-	-	75	138	-	-	-	-	-	-	-	-
Gartly	21-9	215	10.4	3.5	6.9	-	25.6	-17.8	-	-	995	105	67	3 Jul	232	160	72	61	2	3	1	10	97	128	117	2	3.15	-	-	-	S	
Glenlivet	99	54	11.4	3.7	7.5	-	24.9	-19.1	-	-	895	-	38	27 Jan	198	145	49	33	3	1	4	5	86	141	-	0	3.34	-	-	-	-	
Inverurie	99	106	10.9	3.4	7.1	-	26.4	-22.0	-	-	(939)	-	54	3 Jul	(218)	(161)	51	34	2	5	2	-	85	143	-	4	3.32	-	-	-	-	
Keith	21-9	5	11.2	5.2	8.2	-0.1	25.9	-14.3	8.7	-	640	100	24	15 Mar, 3 Jul	196	137	54	20	0	28	1	0	65	128	86	10	3.17	-	-	-	-	
Kinloss	21-9	6	11.1	4.8	7.9	-	26.9	-15.1	-	-	667	102	41	28 Jan	214	145	59	21	0	25	1	4	69	117	90	7	-	-	-	-	-	
Lossiemouth	99	29	10.9	5.8	8.3	-	23.4	-7.9	-	-	689	106	33	27 Jan	172	124	14	15	0	1	0	17	40	105	-	0	3.80	93	-	-	-	
Arbroath	99	130	11.4	4.7	8.1	-	25.8	-9.8	-	-	1310	103	53	7 Dec	225	174	44	35	0	5	3	3	61	118	-	5	3.00	-	-	-	-	
Ardtnaig	99	232	10.7	-	-	-	25.0	-15.7	-	-	1227	108	58	7 Dec	223	166	55	61	0	3	0	12	-	-	-	1	-	-	-	-	-	
Dall	99	113	11.3	4.0	7.7	-	25.3	-13.3	8.7	-	1255	-	45	14 Nov	209	163	28	54	0	0	1	-	86	132	-	0	3.61	-	-	-	S	
Drummond Castle	99	45	(11.7)	5.5	(8.6)	(+0.1)	24.4	-9.9	9.3	-	867	115	42	27 Jan	176	134	32	30	0	8	1	22	52	110	-	4	3.64	100	-	-	-	
Dundee	99	94	11.5	4.2	7.9	-	25.5	-12.2	8.7	9.0	901	103	36	7 Dec	203	149	47	39	0	0	1	2	82	138	-	1	-	-	-	-	-	
Faskally	99	259	10.1	2.6	6.3	-	24.0	-13.4	-	-	1078	-	59	7 Dec	206	152	56	68	0	6	0	8	108	180	-	9	-	-	-	-	-	
Kindroan	99	116	-	-	-	-	24.6	-15.2	-	-	1018	-	34	24 Dec	185	152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Kinross	99	57	10.9	4.9	7.9	-	24.7	-11.6	-	-	751	103	40	27 Jan	173	128	35	22	11	6	4	14	59	102	-	3	-	-	-	-	-	
Montrose	99	30	11.4	5.2	8.3	-	23.7	-11.2	9.0	8.8	897	127	44	27 Jan	187	132	27	27	0	3	1	15	59	117	-	2	3.59	-	-	-	-	
Mylnfield	99	23	(12.1)	4.4	(8.3)	(-0.1)	27.0	-14.0	-	-	(890)	(114)	35	8 Dec	(171)	(141)	-	-	-	-	-	8	74	-	-	-	-	-	-	-	-	
Perth	99	41	11.9	4.8	8.3	-	25.6	-13.0	-	-	912	-	38	27 Jan	195	137	36	41	5	7	6	7	66	126	-	6	-	-	-	-	-	
Strathallan	21-9	30	10.5	5.7	8.1	-	23.0	-6.9	-	-	632	-	32	27 Jan	169	116	30	17	0	4	3	10	43	75	75	23	3.68	-	-	-	-	-
Usan	99	258	10.6	3.2	6.9	-	24.2	-11.4	-	-	(1445)	(122)	77	7 Dec	(204)	(152)	58	66	0	0	0	4	92	-	-	1	-	-	-	-	-	S
Whitehilllocks	99	82	11.1	5.4	8.3	-	23.0	-6.6	9.2	-	820	108	36	27 Apr	190	143	31	27	0	13	3	24	51	112	-	7	-	-	-	-	-	
Belliston	99	36	11.6	4.6	8.1	-	25.2	-17.1	9.0	-	836	-	41	27 Apr	194	138	28	32	0	9	1	-	75	118	-	5	3.61	-	-	-	-	S
Cupar	99	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glenrothes	21-9	10	11.3	5.1	8.2	-0.3	24.0	-14.0	-	-	799	121	36	27 Jan	183	129	47	24	2	11	2	13	68	114	100	4	3.74	92	-	-	-	-
Leuchars	21-9	40	11.5	5.7	8.6	-	24.5	-9.7	-	-	808	114	29	27 Apr	202	152	40	29	8	3	8	6	58	-	-	8	-	-	-	-	-	-
Pitreavie	99	18	-	-	-	-	24.0	-11.0	-	-	-	-	-	-	-	-	-	22	24	0	2	2	14	-	-	0	3.60	-	-	-	-	-
St Andrews	99	184	10.7	4.4	7.5	-	24.4	-13.6	8.4	8.5	812	94	20	11 Feb, 27 Apr, 3 Jul	219	156	43	42	1	3	1	11	67	130	-	3	2.77	-	-	-	-	-
Bush House	99	23	11.4	6.0	8.7	0.0	23.0	-7.3	-	-	(677)	(119)	24	27 Apr	(187)	(133)	26	22	5	1	1	9	39	-	-	4	3.79	91	-	-	-	-
Dunbar	99	61	11.5	4.5	8.0	-	24.5	-15.0	9.3	-	680	-	29	27 Apr	192	134	33	26	7	0	7	8	71	118	-	4	3.53	-	-	-	-	-
Edinburgh	99	26	11.8	5.5	8.7	0.0	24.5	-10.7	9.4	-	660	100	24	27 Apr	185	128	28	28	0	5	4	8	59	124	-	2	3.40	93	-	-	-	-
East Craigs	99	134	11.4	5.2	8.3	-0.3	24.3	-7.5	-	-	(675)	(100)	29	3 Jul	(175)	(123)	20	27	1	1	2	11	56	-	-	8	3.21	86	-	-	-	-
Royal Botanic Garden	21-9	35	11.8	5.2	8.5	0.0	26.1	-16.6	-	-	699	99	27	27 Apr	198	136	48	27	2	14	6	7	67	124	93	5	3.22	91	-	-	-	-
Royal Observatory	99	49	11.8	4.8	8.3	-	25.3	-16.0	-	-	644	105	28	27 Dec	185	122	31	25	3	8	3	3	68	-	-	7	-	-	-	-	-	S
Blackford Hill	99	125	11.1	-	-	-																										



Table 3 (continued)

District Region/County and Place	max. min.	terminal h (GMT) of observation	height of station above MSL (metres)	air temperature in °C.				mean earth temperature		rainfall (terminal h 09 GMT)				weather (number of days)												bright sunshine							
				means of		highest max lowest min	max. min.	30 cm °C	100 cm °C	total fall (mm)	percentage of 1941 - 70 average	amount (mm)	date	precipitation		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	daily mean (hours)	percentage of 1941 - 70 average	exposure					
				max. (a)	min. (b)									0.2 mm or more	1.0 mm or more																		
																													daily mean (mean of a + b)	difference from 1941 - 70 average			
6 SCOTLAND W																																	
Strathclyde																																	
Achaglachgach	99	12	(11.9)	-	-	-	24.8	-	-	-	1682	102	73	9 Sep	242	185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Aros	99	37	-	-	-	-	25.2	-	-	-	(1702)	-	41	9 Sep	231	201	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Auchincruive	99	45	11.8	5.8	8.8	0.0	25.8	-6.6	9.2	9.3	866	94	28	9 Sep	199	152	22	5	4	8	7	0	52	111	-	1	3.54	97	-	-	-		
Benmore (Younger Botanic Garden)	99	12	11.6	5.4	8.5	-	26.0	-7.0	9.6	-	2286	100	71	9 Sep	235	200	36	25	2	19	6	8	57	-	-	7	-	-	-	-	-		
Brodrick Castle	99	15	12.4	6.1	9.3	-	25.0	-4.8	10.3	-	1851	102	67	9 Sep	222	188	26	13	4	5	6	0	43	98	-	8	-	-	-	-	-		
Camps Reservoir	99	295	9.7	3.2	6.5	-	25.0	-13.8	-	-	1181	100	39	15 Nov	238	197	77	56	0	8	8	24	94	-	37	-	-	-	-	-	-		
Carnwath	99	208	-	2.9	-	-	-	-17.4	8.3	-	843	102	21	3 Jul	232	176	63	45	12	10	7	7	97	142	111	43	-	-	-	-	-		
Coatbridge	99	66	11.5	4.9	8.2	-	27.0	-10.5	-	-	927	109	33	9 Sep	202	161	-	-	-	-	-	-	68	-	-	-	-	-	-	-	-		
Colonsay	99	35	11.4	6.4	8.9	-	23.5	-5.5	-	-	1176	-	33	14 Oct, 14 Nov	242	188	23	1	8	11	3	2	24	-	-	20	-	-	-	-	-		
Craighouse	99	4	11.6	6.2	8.9	-	22.9	-5.6	-	-	1624	-	54	9 Sep	233	190	25	5	10	14	8	4	29	-	55	-	-	-	-	-	-		
Crawfordjohn	99	274	10.1	3.3	6.7	-	25.5	-15.0	8.1	-	-	-	-	-	-	-	50	-	-	-	6	87	124	108	-	2.92	-	-	-	-	-		
Cumnock	99	99	11.5	4.6	8.1	-	26.6	-10.0	9.4	-	1091	-	45	4 Jun	225	160	30	13	0	6	2	5	69	95	-	3	3.23	-	-	-	-		
Dunstaffnage	99	3	11.7	5.9	8.8	-	24.8	-5.9	-	-	1421	-	38	14 Nov	235	181	20	8	1	6	0	1	43	91	-	24	-	-	-	-	-		
East Kilbride	99	178	10.8	4.9	7.9	-	26.0	-10.2	-	-	1264	-	37	9 Sep	229	176	38	47	0	6	2	-	64	111	-	0	3.56	-	-	-	-	-	
Girvan	99	8	12.3	6.6	9.5	-	26.2	-5.0	-	-	995	104	29	28 Sep	207	163	12	1	0	8	0	0	38	59	-	33	3.69	-	-	-	-	-	
Glasgow																																	
Abbotsinch Airport	21-9	5	12.0	5.4	8.7	-0.2	27.4	-11.6	-	-	1074	-	45	4 Jun	223	162	59	19	2	21	8	7	69	109	90	2	3.39	98	-	-	-	-	
Springburn Park	99	107	11.2	5.3	8.3	-0.1	25.6	-9.4	-	-	1055	101	30	9 Sep	227	176	51	45	1	6	7	67	59	117	-	4	-	-	-	-	-	-	
Weather Centre (X)	21-9	40	11.9	7.0	9.5	-	26.1	-7.2	-	-	913	-	29	9 Sep	207	159	44	-	3	6	7	3	34	-	0	3.31	-	-	-	-	-	-	
Greenock	99	61	-	-	-	-	-	-	-	-	1529	101	53	25 Sep	191	173	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Helensburgh	99	96	-	4.9	-	-	25.3	-7.0	-	-	1426	101	44	9 Sep	218	182	-	58	-	-	-	4	59	-	-	-	3.27	-	-	-	-	-	
Hunterston	99	8	11.8	6.7	9.3	-	26.1	-7.5	-	-	(1083)	-	45	9 Sep	(201)	(167)	26	5	1	5	3	1	31	-	14	-	-	-	-	-	-	-	
Kildonan	99	18	11.6	6.0	8.8	-	24.6	-4.0	-	-	1217	-	41	9 Sep	244	182	28	-	1	3	1	4	43	69	61	11	3.91	-	-	-	-	-	
Knapdale Forest	99	12	11.7	4.9	8.3	-	25.0	-9.2	-	-	1614	-	59	9 Sep	227	193	25	10	0	2	2	3	62	-	7	-	-	-	-	-	-	-	
Leadhills	99	388	9.3	3.0	6.1	-	24.5	-12.6	-	-	1648	105	41	22 Feb	245	201	68	74	2	3	4	21	93	133	-	29	-	-	-	-	-	-	
Machrihanish	21-9	10	11.5	6.6	9.1	-	25.3	-5.9	-	-	1206	104	44	27 Jan	218	170	32	4	3	34	1	3	36	80	63	40	3.54	-	-	-	-	-	
Millport	99	5	11.7	-	-	-	24.6	-	-	-	1095	96	33	9 Sep	212	178	28	-	1	5	1	2	-	-	10	-	-	-	-	-	-	-	
Paisley	99	32	12.2	6.1	9.1	-0.1	27.8	-7.5	9.3	9.9	1161	105	49	4 Jun	214	168	36	20	0	3	5	8	44	84	-	8	3.19	96	-	-	-	-	
Prestwick	21-9	16	11.8	5.8	8.8	-	26.9	-9.0	-	-	883	97	32	9 Sep	207	156	40	2	17	5	7	0	61	100	78	2	3.61	-	-	-	-	-	
Rhuvaal	21-9	20	11.0	7.0	9.0	-	23.1	-3.0	-	-	1527	116	40	27 Jan	225	182	21	2	9	3	3	1	15	45	-	35	-	-	-	-	-	-	
Rothsay	99	43	11.6	6.3	8.9	-	25.5	-4.5	8.9	8.8	1398	102	47	9 Sep	220	186	-	5	-	-	-	0	32	-	-	-	-	-	-	-	-	-	
Sloy	21-9	12	11.6	5.8	8.7	-	25.3	-8.2	-	-	2454	-	73	13 Nov	240	196	42	-	1	5	5	0	52	-	3	-	-	-	-	-	-	-	
Stronachullin	99	2	-	6.0	-	-	24.3	-5.8	-	-	1772	-	73	9 Sep	(220)	(174)	11	8	1	1	0	3	47	75	-	1	-	-	-	-	-	-	
Tiree	21-9	9	11.1	6.8	8.9	-0.2	22.2	-5.8	-	-	1105	98	40	11 Dec	229	177	35	4	3	38	3	2	24	73	-	37	3.31	85	-	-	-	-	
Uplawmoor	99	128	11.0	4.4	7.7	-	26.2	-9.4	-	-	1609	-	75	9 Sep	224	189	37	29	2	13	3	1	72	128	-	4	-	-	-	-	-	-	
Central																																	
Arrochymore	99	30	-	-	-	-	25.9	-8.0	-	-	1601	-	44	4 Jun	224	186	-	25	-	-	-	2	-	118	-	-	3.11	-	-	-	-	-	-
Callander	99	107	11.5	4.1	7.8	-	26.0	-9.9	-	-	1596	106	47	14 Nov	218	191	29	56	0	1	0	4	75	-	-	2	-	-	-	-	-	-	
Earls Hill	21-9	335	9.2	3.5	6.3	-	23.3	-8.4	-	-	1579	-	43	9 Sep	233	182	52	-	2	1	7	53	83	122	109	41	3.39	-	-	-	-	-	
Falkirk	99	3	(12.2)	(5.4)	(8.8)	-	26.3	-11.8	-	-	(876)	-	24	14 Nov	(203)	(146)	-	-	-	-	-	-	60	-	-	-	3.17	-	-	-	-	-	-
Grangemouth	99	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Parkhead	99	107	12.1	5.0	8.5	-	26.9	-8.6	9.2	-	971	-	30	14 Nov	178	163	-	25	-	-	-	8	60	-	-	-	-	-	-	-	-	-	
Stirling (Batterflats)	99	38	12.3	4.8	8.5	-	26.7	-10.2	9.4	9.3	1003	-	37	14 Nov	201	145	37	44	0	6	3	11	69	129	-	4	3.52	-	-	-	-	-	-
Dumfries & Galloway																																	
Bargrennan	99	110	(11.7)	4.3	(8.0)	-	25.7	-9.4	-	-	1551	102	41	22 Feb	232	188	36	26	3	6	5	20	77	134	-	5	-	-	-	-	-	-	
Clatteringshaws	99	178	10.9	4.3	7.6	-	25.8	-8.6	-	-	1874	96	64	22 Feb	224	191	61	26	18	3	7	0	74	-	-	32	3.20	-	-	-	-	-	
Dumfries	99	49	-	5.6	-	-	26.5	-6.5	9.6	9.6	908	86	39	22 Feb	185	142	27	-	0	0	3	29	56	1									



Table 3 (continued)

District Region/County and Place	max. min.	terminal h (GMT) of observation	air temperature in °C.						mean earth temperature		rainfall (terminal h 09 GMT)				weather (number of days)													bright sunshine																				
			means of			highest max lowest min		30 cm °C	100 cm °C	total fall (mm)	percentage of 1941 - 70 average	amount (mm)	most in a day	date	precipitation		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	daily mean (hours)	percentage of 1941 - 70 average	exposure																			
			max.	(a)	(b)	daily mean (mean of a + b)	difference from 1941 - 70 average								0.2 mm or more	1.0 mm or more																																
<b>2 ENGLAND E &amp; NE-cont</b>																																																
Cleveland																																																
Hartburn Grange	99	31	12.1	4.6	8.3	-	25.7	-11.2	-	636	113	26	8 Dec	174	121	30	30	0	4	5	16	66	115	-	10	2.88	-	-																				
Hartlepool	99	9	11.9	6.3	9.1	-0.3	25.2	-7.5	-	679	114	36	5 Aug	146	111	29	21	0	0	5	4	40	-	-	7	3.40	-	-																				
North Yorkshire																																																
Askham Bryan	99	33	-	(4.8)	-	-	26.2	-9.3	-	691	111	34	27 Dec	179	126	25	25	0	2	3	23	68	124	-	1	-	-	-																				
Cawood	99	6	12.4	5.2	8.8	-	25.9	-8.2	9.6	653	110	38	27 Dec	167	125	24	23	0	0	2	13	59	109	-	2	3.33	-	-																				
High Mowthorpe	99	175	11.0	-	-	-	23.7	-9.8	8.7	909	118	51	29 Jul	199	145	37	39	2	2	3	33	-	(105)	-	3	(3.31)	-	-																				
Laeming	21-9	32	12.1	5.7	8.9	-	27.0	-12.6	9.3	649	106	22	27 Dec	177	122	43	24	0	3	3	21	62	89	74	1	3.28	-	-																				
Malham Tarn	99	395	-	-	-	-	23.7	(-9.2)	-	-	-	-	-	-	-	48	47	0	5	1	-	-	-	-	2	-	-	-																				
Pickering	99	44	12.2	4.4	8.3	-	26.3	-8.9	-	753	111	37	29 Jul	188	135	47	33	4	7	4	13	75	116	-	0	-	-	-																				
Scarborough	99	55	(11.8)	(6.1)	(8.9)	-	23.6	-4.8	(9.4)	(9.7)	750	117	33	27 Dec	188	133	30	21	2	9	7	40	90	-	17	-	-	-																				
Silpho Moor	99	203	11.0	4.6	7.8	-	23.6	-6.4	8.1	1027	117	55	27 Dec	228	151	24	40	0	1	6	31	69	132	-	0	3.49	-	-																				
Snaizholme	99	290	(9.9)	3.6	(6.7)	-	25.3	-12.2	8.0	(1469)	-	48	14 Nov	221	171	36	42	0	0	0	35	87	-	-	1	2.60	-	S																				
Whitby	99	41	11.7	5.7	8.7	-	24.3	-6.7	-	745	-	31	27 Dec	180	125	43	26	5	12	5	4	50	-	-	12	3.65	-	S																				
Whitby (Coastguard)	21-9	60	-	5.9	-	-	23.6	-6.6	-	668	-	29	5 May	191	115	34	19	0	4	3	13	47	-	-	20	-	-	-																				
York (Heslington)	99	19	(12.6)	(5.1)	(8.9)	-	27.0	-8.1	9.7	654	110	31	27 Dec	179	123	21	21	0	0	0	19	67	109	-	1	3.45	-	-																				
Humberside																																																
Bridlington	99	48	(11.4)	5.0	(8.2)	-	23.6	-6.6	-	712	98	26	5 May	180	135	39	19	0	17	9	-	56	-	-	38	3.61	-	-																				
Cleethorpes	99	7	12.3	(6.3)	(9.3)	(-0.2)	25.1	-5.0	-	681	113	49	29 Jun	175	128	-	17	-	-	-	10	35	-	-	-	(3.05)	(76)	-																				
Hull	99	2	12.9	6.1	9.5	-0.2	26.9	-6.0	10.1	725	112	31	5 May	191	139	22	24	2	2	0	8	42	(86)	-	1	-	-	-																				
Lincolnshire																																																
Binbrook	21-9	108	11.4	5.4	8.4	-	24.2	-12.1	-	775	109	30	29 Jun	196	140	57	30	0	23	9	26	60	96	77	4	3.51	-	-																				
Calistor	99	21	(12.5)	(5.0)	(8.7)	-	25.8	-12.7	-	692	-	26	5 May	179	131	-	-	-	-	-	-	60	-	-	-	-	-	-	-																			
Cranwell	99	62	12.5	5.2	8.9	-0.3	26.9	-9.0	9.9	699	118	39	15 Jun	172	123	33	22	0	7	9	28	61	96	-	9	3.78	93	-																				
Kirton	99	4	12.6	5.2	8.9	-	25.7	-10.5	9.8	630	-	46	29 Jun	161	120	34	23	0	3	7	22	87	107	-	11	3.67	-	-																				
Lincoln	99	6	12.6	4.9	8.7	-0.5	26.4	-14.2	10.0	644	-	28	5 May	166	(121)	33	20	1	0	4	18	64	113	-	0	(3.46)	-	-																				
Skegness	99	5	-	-	-	-	25.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
Sutton Bridge	99	4	-	-	-	-	26.2	-9.8	-	628	106	40	5 May	144	112	28	-	0	0	4	-	-	-	-	2	-	-	-																				
Waddington	21-9	68	12.4	5.8	9.1	-0.2	27.0	-8.8	-	684	114	29	5 May	173	127	47	20	0	4	10	30	53	-	-	0	3.64	89	-																				
<b>3 EAST ANGLIA</b>																																																
Norfolk																																																
Coltishall	21-9	17	12.7	6.1	9.4	-	26.6	-8.9	-	590	95	31	29 Jul	183	118	48	21	2	18	10	21	45	98	64	3	-	-	-																				
Cromer	99	54	12.4	6.4	9.4	-0.2	25.8	-4.0	-	646	102	17	28 Dec	186	132	37	-	0	6	13	24	31	72	-	2	4.03	96	-																				
Gorleston	99	2	-	-	-	-	25.6	(-7.5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
Marham	21-9	23	12.8	5.6	9.2	-	26.9	-9.0	-	668	-	39	5 May	177	129	35	28	4	8	12	21	54	-	-	2	3.66	-	-																				
Morley St Botolph	99	46	12.5	5.3	8.9	-	27.5	-13.1	10.0	618	-	23	15 Jun	166	119	24	18	2	4	8	26	55	101	-	2	3.71	-	-																				
Santon Downham	99	24	13.1	4.3	8.7	-	27.7	-11.1	9.6	719	110	31	15 Jun	186	130	-	11	-	-	-	-	78	182	-	-	3.42	-	-																				
Scole	99	27	13.2	5.6	9.4	-	27.1	-12.0	10.0	584	-	24	15 Jun	162	115	32	21	1	9	14	21	57	81	-	4	3.76	-	-																				
Terrington St Clement	99	3	12.9	(5.3)	(9.1)	(-0.4)	28.4	-10.2	9.9	691	120	38	5 May	180	118	19	24	3	0	5	21	50	107	-	0	-	-	-																				
Cambridgeshire																																																
Boxworth	99	53	13.0	5.5	9.3	-	26.4	-9.6	-	578	102	47	5 May	163	111	19	17	1	2	4	36	59	85	-	1	(3.54)	-	-																				
Cambridge																																																
Botanic Garden	99	12	(13.5)	(5.7)	(9.6)	(-0.2)	27.5	-9.4	(10.2)	(10.5)	-	-	-	-	-	-	-	-	-	-	-	54	-	-	-	-	-	-																				
National Institute of Agricultural Botany	99	24	(13.4)	(5.7)	(9.5)	-	26.5	-9.6	-	(556)	(101)	59	5 May	154	110	14	14	1	1	4	18	50	(114)	-	0	3.53	84	-																				
March	99	2	-	-	-	-	28.4	-9.3	-	660	114	45	5 May	169	118	-	-	-	-	-	-	-	-	-	-	-	-	-																				
Marholm	99	21	-	-	-	-	27.9	-9.9	-	590	-	30	15 Jun	152	111	-	-	-	-	-	-	-	-	-	-	-	-	-																				
Mepal	99	-2	(13.2)	(5.1)	(9.1)	-	26.2	-11.5	(10.4)	(10.7)	-	46	5 May	(172)	(107)	-	16	-	-	-	-	58	-	-	-	(3.50)	-	-																				
Monks Wood	99	39	(13.1)	(5.4)	(9.3)	-	26.5	-9.2	10.1	(562)	(98)	33	5 May	162	111	18	15	1	1	6	24	62	(105)	-	3	(3.49)	-	-																				
Wittering	21-9	73	12.6	5.9	9.3	-	27.2	-7.6	-	629	-	38	5 May	164	112	40	14	3	5	11	32	53	85	77	3	3.67	-	-																				
Wyton	21-9	40	13.1	6.2	9.7	-	27.1	-8.7	-	544	99	38	5 May	150	110	30	14	1	8	11	31	53	102	84	3	-	-	-																				
Suffolk																																																
Aldeburgh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
Brooms Barn	99	75	12.8	5.8	9.3	-	25.9	-8.1	9.7	631	106	29	5 May	171	118	29	25	3	6	16	20	50	76	-	4	3.70	-	-																				
Cavendish	99	55	13.0	5.2	9.1	-	27.1	-8.1	-	542	-	20	15 Mar	166	105	30	18	0	7	16	24	60	97	-	3	-	-	-																				
East Bergholt	99	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
Haughley	99																																															



Table 3 (continued)

District Region/County and Place	max. min.	terminal h (GMT) of observation	height of station above MSL (metres)	air temperature in °C					mean earth temperature		rainfall (terminal h 09 GMT)				weather (number of days)												bright sunshine					
				means of		highest max lowest min	difference from 1941-70 average	max.	min.	30 cm °C	100 cm °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 milder below 0 °C	concrete min. below 0 °C	gale	daily mean (hours)	percentage of 1941-70 average	exposure		
				max. (a)	min. (b)									daily mean (mean of a + b)	0.2 mm or more	1.0 mm or more																
3 EAST ANGLIA—cont																																
Essex																																
Clacton-on-Sea . . . . .	99	16	12.8	7.1	9.9	-0.1	26.0	-7.0	10.8	10.9	498	87	19	1 May, 7 Dec	144	97	13	3	0	0	4	14	28	63	-	3	8.88	86	-	-		
Halstead . . . . .	99	70	13.0	5.9	9.5	-	26.2	-7.0	10.1	10.4	580	-	15	5 May, 29 Jul, 3 Aug	172	109	28	13	4	0	7	15	46	-	-	8	-	-	-	-		
Little Parndon . . . . .	99	54	-	-	-	-	-	-7.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Shoeburyness . . . . .	21-9	2	13.2	7.2	10.2	-0.1	25.3	-7.0	-	-	458	85	23	31 Jul	147	97	25	9	3	8	13	10	36	91	-	0	3.83	86	-	-		
Stanford-Le-Hope . . . . .	99	6	(13.5)	6.1	(9.8)	-	26.5	-6.5	-	-	551	-	47	31 Jul	147	101	-	-	0	0	4	15	44	-	-	0	3.87	-	-	-		
Stansted . . . . .	21-9	101	12.8	5.8	9.3	-	25.5	-7.2	-	-	639	103	29	5 May	173	116	41	13	4	7	20	26	59	95	75	3	-	-	-	-		
Writtle . . . . .	99	35	13.4	5.6	9.5	-0.2	26.4	-8.2	10.2	-	548	96	19	5 May	146	101	13	10	-	-	-	8	57	117	-	-	3.82	93	-	-		
4 MIDLAND COUNTIES																																
West Yorkshire																																
Bradford . . . . .	99	134	(11.7)	(5.5)	(8.6)	(-0.2)	25.6	-10.0	9.1	9.4	869	100	43	27 Dec	196	142	41	23	6	2	6	17	62	114	-	2	-	-	-	S		
Bramham . . . . .	99	54	(12.2)	(4.9)	(8.6)	-	25.6	-11.7	-	-	720	109	46	27 Dec	184	133	33	21	1	0	2	22	66	112	-	1	-	-	-	-		
Huddersfield (Oakes) . . . . .	21-9	232	11.6	5.1	8.3	-0.2	26.7	-8.8	8.3	7.9	948	95	45	28 Dec	225	159	54	31	5	6	13	30	58	111	-	20	-	-	-	-		
Ilkley . . . . .	99	83	12.2	(5.2)	(8.7)	(-0.2)	26.0	-9.5	-	-	(955)	(104)	45	27 Dec	(192)	(156)	33	22	1	2	1	24	59	-	-	1	3.04	88	-	-		
Pontefract . . . . .	99	78	-	-	-	-	26.0	-6.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Todmorden . . . . .	99	160	11.4	5.2	8.3	-	26.1	-12.0	-	-	1128	-	41	28 Dec	217	170	46	29	2	27	9	14	64	-	-	12	-	-	-	-		
Wilsden . . . . .	99	262	10.7	4.5	7.6	-	26.6	-10.9	-	-	1000	-	41	27 Dec	209	(153)	50	40	2	8	7	41	71	(107)	-	1	-	-	-	-		
South Yorkshire																																
Finningley . . . . .	21-9	10	12.7	5.6	9.1	-	27.6	-10.0	-	-	632	109	29	27 Dec	179	133	42	20	0	6	6	11	65	108	-	1	3.45	-	-	-		
Sheffield																																
Dore . . . . .	99	206	-	-	-	-	25.7	-7.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Weston Park . . . . .	99	131	(12.4)	(6.1)	(9.3)	(-0.2)	26.5	-6.6	(9.7)	10.0	(824)	(103)	33	27 Dec, 28 Dec	(197)	(145)	(36)	31	1	0	6	-	(48)	-	-	0	3.44	102	S	-		
Derbyshire																																
Ashover . . . . .	99	178	11.9	5.3	8.6	-	26.6	-7.7	-	-	923	-	52	16 Jun	196	145	49	36	0	4	6	36	62	97	-	1	3.41	-	-	-		
Buxton . . . . .	99	307	-	-	-	-	-	-11.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	S		
Derby . . . . .	99	48	12.9	6.0	9.5	-	27.0	-8.1	-	-	672	102	31	15 Jun	171	123	25	15	0	2	4	19	52	-94	-	0	3.04	-	-	S		
Wingerworth . . . . .	99	116	12.0	4.7	8.3	-	26.3	-11.1	9.5	-	851	-	35	16 Jun, 28 Dec	200	142	38	32	0	10	11	34	73	141	-	0	3.51	-	-	-		
Nottinghamshire																																
Mansfield . . . . .	99	114	-	-	-	-	-	-9.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Newthorpe . . . . .	99	58	(12.6)	-	-	-	(27.0)	-7.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Nottingham . . . . .	99	59	-	-	-	-	-	-9.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Sutton Bonington . . . . .	99	48	13.0	4.8	8.9	-0.4	27.4	-10.2	9.8	9.9	613	100	32	15 Jun	171	125	23	20	2	1	5	11	70	121	91	1	3.43	94	-	-		
Warsop . . . . .	99	46	12.7	4.8	8.7	-	26.9	-10.8	-	-	726	118	32	15 Jun	180	125	23	20	1	2	6	30	70	129	-	0	3.43	-	-	-		
Watnall . . . . .	21-9	117	12.3	5.7	9.0	-0.2	27.0	-8.3	-	-	767	107	28	15 Jun	186	135	47	18	3	10	7	33	54	111	84	0	3.17	89	-	-		
Staffordshire																																
Keele . . . . .	99	179	11.5	5.3	8.4	-	23.9	-8.5	9.0	9.2	(849)	(105)	29	15 Jun	208	150	35	26	2	7	7	24	66	110	94	1	2.95	-	-	S		
Oaken . . . . .	99	125	-	-	-	-	26.0	-8.6	9.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	S		
Penkridge . . . . .	99	101	(12.3)	-	-	-	25.5	-9.9	-	-	626	91	18	2 May	189	136	30	16	0	1	4	12	-	(101)	-	2	-	-	-	-		
Stone . . . . .	99	107	11.9	4.9	8.4	-	24.8	-10.6	-	-	742	101	25	15 Jun	196	144	43	22	11	1	10	27	69	122	-	3	3.15	-	-	-		
Leicestershire																																
Caldecott . . . . .	99	53	(12.8)	5.1	(8.9)	-	26.7	-10.6	-	-	620	110	31	5 May	161	118	27	7	0	0	12	38	67	108	-	3	3.44	-	-	-		
Newtown Linford . . . . .	99	119	12.5	5.0	8.7	-	26.1	-8.6	-	-	695	103	27	15 Jun	175	129	31	27	2	9	11	26	64	106	-	0	3.36	-	-	-		
Salop																																
Hampton Loade . . . . .	99	70	(13.2)	(5.3)	(9.3)	-	27.0	-9.0	-	-	629	-	28	29 Jul	157	119	-	-	-	-	-	-	58	-	-	-	-	-	-	-		
Newport . . . . .	99	64	12.7	5.3	9.0	+0.1	25.6	-10.0	-	-	645	98	23	2 May	179	135	34	17	0	3	7	16	65	117	-	2	-	-	-	-		
Oswestry . . . . .	99	174	11.9	5.6	8.7	-0.2	25.4	-7.0	-	-	-	-	-	-	-	-	-	-	-	-	-	15	48	112	-	-	3.27	87	S			
Preston Montford . . . . .	99	67	-	-	-	-	-	-	(10.2)	(10.1)	639	-	28	4 May	186	135	-	14	-	-	-	-	-	-	-	-	-	-	-	S		
Shawbury . . . . .	21-9	72	12.8	5.6	9.2	-0.1	25.3	-9.9	-	-	611	91	22	2 May	180	127	43	8	6	2	6	18	69	116	85	1	3.27	87	-	-		
Shrewsbury . . . . .	99	56	-	5.8	-	-	-	-8.4	10.6	11.0	565	90	19	2 May	179	125	13	8	0	1	5	16	55	-	-	0	3.17	85	-	-		
West Midlands																																
Birmingham																																
Edgbaston . . . . .	21-9	163	12.2	6.5	9.3	-0.2	25.7	-6.5	9.1	-	729	94	29	2 Aug	188	126	44	21	3	10	8	24	47	93	(73)	0	3.43	97	-	-		
Elmdon Airport . . . . .	21-9	96	12.7	5.6	9.1	-0.1	25.9	-10.9	-	-	601	-	35	29 Jul	172	113	45	15	2	9	11	16	71	108	81	2	3.57	94	-	-		
King Edward's School . . . . .	99	137	12.9	5.7	9.3	-	25.8	-7.0	-	-	773	106	34	2 Aug	186	133	-	14	-	-	-	23	54	-	-	-	-	-	-	-		
Coventry Airport . . . . .	99	81	(12.8)	(5.0)	(8.9)	-	25.8	-7.9	(9.7)	-	633	-	32	2 Aug	181	123	16	-	1	0	4	-	-	-	-	-	1	-	-	-		
Warwickshire																																
Ludington . . . . .	99	56	13.2	-	-	-	26.0	-8.9	-	-	526	-	30	29 Jul	163	120	17	10	2	3	3	31	-	106	-	0	3.57	-	-	-		
Moreton Morrell . . . . .	99	85	13.1	5.4	9.3	-	26.0	-8.7	-	-	596	96	39	29 Jul	166	123	19	13	1	3	5	16	60	106	-	6	3.48	-	-	-		
Rugby . . . . .	99	116	12.7	5.4	9.1	-0.2	25.7	-8.0	9.9	-	638	98	22	5 Sep	166	123	28	16	0	1	6	-	68	95	-	0	-	-	-	-		
Shipstone-on-Stour . . . . .	99	111	13.1	(5.6)	(9.3)	(-0.1)	25.2	-6.4	9.9	-	617	93	38	29 Jul	173	120	17	14	4	3	10	24	57	-	-	26	-	-	-	-		
Stratford-upon-Avon . . . . .	99	49	(13.4)	(5.0)	(9.2)	(-0.2)	26.3	-10.2	-	-	524	84	33	29 Jul	169	123	-	6	-	-	-	20	68	-	-	-	-	-	-	-		
Wellesbourne . . . . .	99	47	-	-	-	-	26.3	-8.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Northamptonshire																																
Bugbrooke Mills . . . . .	99	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Moulton Park . . . . .	99	122	-	-	-	-	25.6	-	-	-	589	-	31	5 May	166	115	15	12	0	3	3	-	-	-	-	-	0	3.73	-	S		
Raunds . . . . .	99	59	13.2	5.3	9.3	0.0	27.0	-8.5	10.2	10.2	630	106	32	4 Jun	171	115	25	8	2	1	9	25	61	104	-	5	3.14	83	-	-		



Table 3 (continued)

District Region/County and Place	max. min.	terminal h (GMT) of observation height of station above MSL (metres)	air temperature in °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 max lowest min		30 cm °C	100 cm °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 mltg below 0 °C	concrete min. below 0 °C	gale	daily mean (hours)	percentage of 1941 - 70 average	exposure
			max.	min.			max.	min.					0.2 mm or more	1.0 mm or more															
															(a)	(b)													
4 MIDLANDS—cont																													
Hereford & Worcester																													
Astwood Bank	99	139	12.9	5.3	9.1	-	26.0	-8.7	-	618	-	22	2 May	165	126	32	14	0	7	8	32	59	99	-	3	-	-	-	
Hereford	99	51	-	-	-	-	26.6	-8.5	-	551	84	33	31 May	163	104	-	-	0	4	4	-	-	-	-	-	3	3.86	-	-
Lyonsall	99	155	12.6	5.5	9.1	0.0	25.5	-9.8	-	768	89	31	12 Dec	172	137	-	-	-	-	-	-	58	136	-	-	-	-	-	-
Malvern	99	62	13.4	-	-	-	26.6	-6.6	10.3	663	89	23	27 Jan	176	124	32	14	0	8	8	24	-	98	-	1	3.52	88	S	
Pershore	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
College of Hort.	99	40	13.5	6.1	9.8	-	27.0	-7.7	-	554	86	21	31 Jul	164	114	16	17	3	7	6	16	54	93	-	10	-	-	-	
Preston Wynne	99	84	13.3	4.9	9.1	-	25.9	-8.2	-	(629)	(94)	19	31 Jul, 1 Aug	(181)	(126)	20	7	0	4	4	30	63	124	-	0	(3.48)	-	-	
Gloucestershire																													
Cheltenham	99	65	13.6	5.9	9.7	-0.4	26.7	-9.4	-	738	111	32	29 Jul	171	130	14	-	0	1	0	-	63	-	-	0	3.70	94	-	
Innsworth	21-9	21	13.7	6.5	10.1	-	27.3	-8.7	-	572	-	38	1 Jun	154	110	30	7	2	9	6	10	54	87	69	0	3.79	-	-	
Oxfordshire																													
Benson	21-9	67	13.5	6.0	9.7	-	27.2	-8.9	-	564	-	31	31 Jul	145	104	28	13	2	7	10	20	57	92	-	1	3.93	-	-	
Brize Norton	21-9	81	13.2	5.9	9.5	-	26.9	-7.3	-	572	-	29	31 Jul	153	114	34	10	1	10	8	16	63	98	77	3	3.71	-	-	
Letcombe Regis	99	107	(13.3)	(5.6)	(9.5)	-	27.4	-10.0	(10.5)	(640)	(91)	36	31 Jul	159	(115)	22	15	1	0	8	-	(57)	101	-	0	-	-	-	
Oxford	99	63	(13.6)	6.1	(9.9)	(-0.2)	26.5	-7.1	10.6	(10.7)	576	87	30	31 Jul	158	113	16	20	0	4	6	25	51	103	-	5	3.80	92	
Shirburn (Model Farm)	99	108	13.2	5.4	9.3	-	27.0	-9.8	-	631	-	42	31 Jul	167	113	31	12	1	6	10	26	62	118	-	2	-	-	-	
Wallingford	99	48	13.6	5.4	9.5	-	26.4	-10.2	10.3	544	95	31	31 Jul	152	104	24	9	0	5	8	-	62	107	-	0	3.57	-	S	
Buckinghamshire																													
Aylesbury	99	96	13.5	5.7	9.6	+0.2	26.8	-9.4	-	606	97	34	31 Jul	144	111	30	13	5	1	7	-	57	-	-	4	-	-	S	
Grendon Underwood	99	67	13.3	4.4	8.9	-	26.1	-11.1	10.1	557	89	35	31 Jul	156	121	20	11	0	2	4	-	79	141	-	0	3.60	-	-	
Medmenham	99	30	(13.8)	(4.6)	(9.2)	-	27.1	-9.2	-	632	90	32	31 Jul	162	118	-	-	-	-	-	-	73	(130)	-	-	-	-	-	
5 ENGLAND SE & CENTRAL S.																													
Greater London																													
Bromley	99	65	(13.8)	(6.6)	(10.2)	(-0.1)	27.0	-6.5	-	(659)	(102)	51	31 Jul	(152)	(109)	-	-	-	-	-	-	(37)	-	-	-	-	-	-	-
Greenwich	99	7	(14.1)	(7.1)	(10.6)	-	27.4	-5.5	-	600	101	41	31 Jul	146	102	13	-	0	0	6	-	40	(65)	-	0	3.59	-	-	
Hampstead	99	137	(13.1)	-	-	-	26.0	-	-	(712)	(105)	39	31 Jul	(152)	(126)	17	3	0	0	5	-	97	-	1	(3.81)	(93)	S	-	
Hampton	99	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Harrow Weald	99	98	(13.7)	(5.7)	(9.7)	-	26.5	-7.0	11.1	(654)	-	29	31 Jul	(154)	(117)	-	-	-	-	-	-	49	-	-	-	-	-	-	
Heathrow Airport	21-9	25	14.1	6.9	10.5	+0.1	27.0	-6.3	-	586	95	29	5 May	149	108	30	2	1	5	9	14	46	93	64	1	3.82	-	-	
Kensington Palace	99	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Kew	21-9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Psychrometer	-	-	13.7	6.1	9.9	-	26.3	-7.3	10.5	598	100	32	5 May	153	102	27	4	0	7	15	12	54	134	74	0	3.98	95	-	
North Wall Screen	-	-	13.9	7.3	10.6	0.0	27.5	-5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
London																													
Weather Centre (X)	21-9	77	14.2	8.4	11.3	-	26.8	-4.4	-	528	-	30	5 May, 31 Jul	148	99	26	-	5	4	13	6	19	-	-	1	3.94	103	-	
St James Park	99	9	(14.3)	(7.6)	(10.9)	(-0.1)	27.6	-4.6	-	626	102	35	31 Jul	154	109	-	8	-	-	-	-	31	69	-	-	-	-	-	-
Southgate	99	67	-	(6.4)	-	-	-	-6.4	10.5	687	106	35	31 Jul	156	114	23	9	1	1	9	11	(47)	-	-	0	-	-	-	
Waddon	99	59	-	(6.6)	-	-	27.0	-7.0	-	-	-	-	-	-	-	-	-	-	-	-	-	(38)	-	-	-	-	-	-	
Wiltshire																													
Boscombe Down	21-9	126	13.1	5.7	9.4	-0.2	26.2	-8.6	-	693	96	28	27 Jan	172	115	34	13	5	16	8	18	54	-	-	1	4.21	100	-	
Lacock	99	49	(13.4)	5.1	(9.3)	-	26.6	-8.9	-	(633)	(88)	36	31 Jul	(175)	(121)	-	9	-	-	-	22	66	115	-	-	-	-	-	
Larkhill	99	132	13.3	5.4	9.3	0.0	27.2	-8.4	-	(729)	(98)	34	27 Jan	172	(108)	31	13	3	7	8	21	60	97	80	0	-	-	-	
Lyneham	21-9	145	12.7	5.9	9.3	0.0	26.1	-9.4	-	633	89	31	31 Jul	165	124	40	12	4	6	9	19	54	101	81	2	3.93	-	-	
Porton	99	111	13.2	5.2	9.2	-0.1	26.2	-8.9	9.9	712	94	38	31 Jul	166	112	-	15	-	-	-	17	66	-	-	0	4.07	94	-	
Trowbridge	99	37	13.6	5.5	9.5	-	27.8	-9.0	10.5	709	-	38	31 Jul	159	127	32	12	8	7	16	16	62	117	-	1	-	-	-	
Upavon	21-9	179	12.8	5.7	9.3	-	25.9	-7.8	-	735	96	30	31 Jul	176	116	33	14	6	9	10	22	61	94	72	0	-	-	-	
Berkshire																													
Easthampstead	99	77	13.4	4.8	9.1	-	26.8	-10.6	10.0	669	-	31	10 Dec	155	106	27	9	3	0	15	13	71	120	83	0	3.94	-	-	
Hurley	99	43	(13.6)	(5.4)	(9.5)	-	26.9	-7.5	(10.1)	(639)	(92)	31	31 Jul	(168)	(117)	20	4	1	0	5	-	(64)	(110)	-	3	(3.67)	-	-	
Lambourn (Warren Farm)	99	192	(12.5)	5.2	(8.9)	-	24.7	-9.5	-	(624)	-	29	31 Jul	(170)	(121)	-	22	-	-	-	-	61	-	-	-	-	-	-	
Reading	99	66	(13.5)	(5.9)	(9.7)	-	26.8	-7.4	(10.4)	(10.5)	621	-	31	31 Jul	154	112	21	10	0	0	7	22	(57)	(130)	-	0	(3.92)	-	
Shinfield (N.I.R.D.)	99	62	13.5	5.7	9.6	-	26.5	-8.3	-	609	-	25	31 Jul	153	111	25	7	0	1	9	37	57	(112)	-	0	3.71	-	-	
Surrey																													
Witley	99	32	14.0	5.7	9.9	-0.1	27.0	-7.6	10.4	639	99	30	1 May	(170)	(107)	22	9	0	4	7	48	52	111	-	14	3.87	95	-	
Kent																													
Dover F.M.S.	99	123	-	-	-	-	-	-5.4	-	668	78	25	31 Jul	175	123	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dungeness	99	6	12.7	7.5	10.1	-	22.0	-7.8	-	545	81	26	24 Dec	152	102	25	6	5	1	11	7	34	-	-	10	-	-		
East Malling	99	52	13.6	6.2	9.9	+0.2	26.4	-6.6	10.4	(553)	(82)	30	31 Jul	157	107	22	12	0	3	12	17	50	102	79	6	3.90	91		
Edenbridge	99	45	13.5	(5.1)	(9.3)	-	26.0	-10.6	-	650	-	29	1 May	151	112	-	-	-	-	-	-	65	-	-	-	3.85	-	S	
Elmstone	99	5	(13.8)	(5.5)	(9.7)	-	26.4	-7.8	-	495	77	23	1 May	162	102	14	9	1	2	10	-	54	-	-	4	-	-		
Faversham	99	48	13.3	6.4	9.9	-	26.6	-5.8	10.0	(581)	(87)	52	31 Jul	(160)	(113)	19	10	0	2	10	19	42	(80)	-	0	3.83	-		
Folkestone	99	31	12.9	6.5	9.7	-	25.4	-5.0	10.9	(627)	(87)	45	31 Jul	(161)	(122)	27	7	1	2	8	5	45	86	-	32	4.46	93		
Gillingham	99	3	(13.9)	(7.1)	(10.5)	-	27.6	-7.1	-	-	-	-	-	-	-	-	-	-	-	-	-	(40)	-	-	-	-	-		
Goudhurst	99	85	(12.9)	(5.6)	(9.3)	(0.0)	25.8	-8.6	-	653	78	19	23 Jan, 29 Jun	163	119	20	14	3	1	7	18	57	(95)	-	1	-	-		
Hadlow College	99	27	-	-	-	-	26.4	-9.3	(10.3)	(10.7)	(635)	-	34	31 Jul	(150)	(112)	16	9	1	0	13	-	-	-	1	-	-		
Herne Bay	99	31	13.1	6.6	9.9	-	26.5	-5.0	10.7	480	-	17	1 May	162	109	8	1	0	1	5	11	36	65	-	0	4.08	92		
Minster	21-9	44	13.0	-	-	-	26.2	-4.4	-	443	73	21	13 Apr	155	101	32	10	4	17	15	14	-	-	-	8	4.06	-		
Margate	99	16	12.9	7.9	10.4	-0.2	26.4	-3.2	10.8	443	77	21	13 Apr, 26 Jun	150	102	13	9	2	2	11	11	17	-	-	8	3.66	78		
Ulcombe	21-9	47	(13.5)	(5.5)	(9.5)	-	26.6	-8.6	-																				



Table 3 (continued)

District Region/County and Place	max. min.	terminal h (GMT) height of station above MSL (metres)	air temperature in °C					mean earth temperature		rainfall (terminal h 09 GMT)				weather (number of days)										bright sunshine						
			means of		highest max lowest min	difference from 1941 - 70 average	max.	min.	30 cm °C	100 cm °C	total fall (mm)	percentage of 1941 - 70 average	amount (mm)	date	precipitation		snow or sleet	snow lying at 9h	hail	ice pellets, etc.	thunder heard	fog at 9h	air frost	grass mltg below 0 °C	concrete min. below 0 °C	gale	daily mean (hours)	percentage of 1941 - 70 average	exposure	
			max. (a)	min. (b)											0.2 mm or more	1.0 mm or more														
5 ENGLAND SE & CENTRAL S.																														
Hampshire																														
Alice Holt Lodge	99	115	(13.1)	5.3	(9.2)	(-0.2)	26.5	-8.9	-	-	778	97	29	10 Dec	162	118	21	11	0	2	6	26	65	115	-	0	3.61	-	S	
Everton	99	16	13.4	(6.7)	(10.1)	-	25.3	-6.7	-	-	(734)	(94)	49	31 Jul	155	127	13	7	4	3	8	13	(42)	(88)	-	7	4.45	-	-	
Hayling Island	99	4	13.5	7.5	10.5	-	26.1	-6.1	-	-	(664)	(97)	32	31 Jul	(159)	(112)	8	1	3	0	5	9	36	-	-	7	-	-	-	
Leckford	99	117	13.2	5.3	9.3	-0.2	25.5	-9.5	9.7	-	758	94	33	27 Jan	165	126	17	9	2	0	4	17	57	-	-	6	3.75	89	-	
Long Sutton	99	145	(13.0)	(5.6)	(9.3)	-	25.7	-8.9	-	-	(820)	(103)	68	30 Jul	(163)	(114)	20	12	2	1	7	-	(56)	(102)	-	2	4.04	98	-	
Martyr Worthy	99	84	(13.4)	(4.9)	(9.1)	-	26.4	-9.5	-	-	(749)	(93)	35	10Dec	(160)	(124)	17	16	0	0	1	-	(69)	(124)	-	2	(3.81)	-	-	
Southampton																														
Mayflower Park	99	3	14.1	7.1	10.6	-0.1	26.8	-6.6	11.7	12.5	752	-	43	31 Jul	158	115	26	6	1	5	10	11	38	96	-	0	(4.17)	(93)	-	
Weather Centre (X)	21-9	19	14.0	7.6	10.8	-	26.1	-5.9	-	-	744	-	41	31 Jul	158	114	27	-	1	7	11	11	30	-	47	0	-	-	-	
Southsea	99	2	13.8	7.9	10.9	0.0	26.1	-5.5	11.5	11.8	667	95	30	31 Jul	160	115	16	4	1	4	7	6	27	70	-	1	4.48	94	-	
Sparsholt	99	113	(13.3)	(5.5)	(9.4)	-	26.8	-5.1	-	-	(826)	-	38	31 Jul	(158)	(124)	16	11	1	0	0	-	(49)	-	-	4	(3.85)	-	-	
Isle of Wight																														
Ryde	99	4	13.6	(8.0)	(10.8)	(-0.1)	25.1	-5.0	-	-	(748)	(96)	43	31 Jul	(163)	(117)	14	-	5	0	7	6	(22)	-	-	9	4.36	91	-	
St Catherine's Point	99	16	12.6	(8.1)	(10.3)	(-0.2)	23.4	-5.5	-	-	(678)	(89)	32	31 Jul	147	116	19	3	4	0	8	8	19	-	-	21	-	-	-	
Sandown	99	4	13.5	7.3	10.4	-0.5	25.1	-6.4	-	-	(734)	(95)	53	31 Jul	(133)	(120)	8	-	1	0	4	4	31	-	-	1	(4.80)	(95)	-	
Shanklin	99	55	12.9	7.1	10.0	-0.1	26.2	-7.5	-	-	(771)	(84)	46	31 Jul	(158)	(120)	9	-	1	0	4	34	32	-	-	0	(4.99)	(96)	-	
Ventnor	99	135	-	-	-	-	22.6	-6.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
West Sussex																														
Bognor Regis	99	7	13.1	7.5	10.3	0.0	22.4	-6.0	-	11.6	639	87	29	31 Jul	150	110	8	6	3	0	6	3	31	-	-	6	-	-	-	
Fernhurst	99	57	13.6	5.2	9.4	-0.2	26.8	-11.1	10.4	-	798	89	25	23 Dec	168	125	-	-	-	-	-	-	65	-	-	-	(3.77)	(85)	-	
Gatwick Airport	21-9	59	13.5	5.5	9.5	-	26.8	-11.7	-	-	733	95	32	31 Jul	159	121	33	14	5	4	11	19	66	108	74	0	3.96	-	-	
Hurstpierpoint	99	29	-	-	-	-	27.0	-10.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Littlehampton	99	5	13.3	6.9	10.1	-0.2	23.9	-8.2	-	11.4	644	88	31	31 Jul	162	111	6	3	2	0	5	5	40	-	-	3	4.64	95	-	
Rogate	99	64	(13.6)	(5.5)	(9.5)	-	26.2	-8.5	(11.0)	-	-	-	-	-	-	-	-	1	0	0	-	59	(106)	-	1	-	-	-	S	
Worthing	99	2	13.3	(6.8)	(10.1)	-	23.6	-8.2	11.6	-	(697)	-	34	7 Aug	146	108	10	4	5	2	9	3	(39)	(72)	-	0	-	-	-	
East Sussex																														
Bexhill	99	4	13.0	7.5	10.3	0.0	24.5	-6.1	11.0	11.5	582	79	21	12 Dec	158	108	15	8	1	1	11	6	36	71	-	14	4.46	95	-	
Brighton	99	10	(13.1)	7.3	(10.2)	(-0.4)	25.9	-6.2	-	11.7	649	91	26	29 Jul	136	106	-	6	-	-	-	5	36	(59)	-	-	(4.45)	(93)	-	
Eastbourne	99	7	13.2	8.0	10.6	+0.1	23.5	-5.8	11.3	11.7	668	84	38	29 Jul	148	108	15	12	4	1	9	7	27	58	-	14	4.66	93	-	
East Hoathly	99	38	(13.5)	5.2	(9.3)	-	26.4	-10.0	-	-	(694)	(90)	34	29 Jul	(146)	(114)	22	15	3	3	11	-	65	112	73	13	(4.03)	-	-	
Hastings	99	45	13.0	(7.5)	(10.3)	(-0.1)	25.5	-5.5	11.2	11.5	602	82	21	29 Jul	149	114	20	9	0	13	7	11	29	-	-	20	4.37	92	-	
Herstmonceux	21-9	18	13.4	6.2	9.8	-	25.8	-8.0	-	-	612	-	23	7 Dec	150	115	23	7	3	4	12	10	50	110	74	5	4.22	-	-	
Plumpton	99	76	-	(6.5)	-	-	26.0	-7.2	-	-	(873)	(86)	36	7 Dec	(157)	(128)	-	17	-	-	-	43	42	54	-	-	(4.28)	-	-	
7A ENGLAND NW & I.O.M.																														
Cumbria																														
Carlisle	21-9	26	12.2	6.0	9.1	-	28.1	-8.2	10.1	10.2	739	85	25	1 Jun	188	140	44	10	7	3	5	3	59	99	63	0	3.44	-	-	
Cartmel	99	35	12.0	5.4	8.7	-	26.7	-7.3	-	-	1199	-	35	27 Dec	198	158	6	6	0	0	6	8	66	-	-	0	-	-	-	
Grizedale	99	91	(12.0)	(4.3)	(8.1)	-	26.5	-8.8	-	-	(1491)	(78)	42	13 Aug	(219)	(186)	37	19	3	3	3	-	74	169	-	6	-	-	-	
Moor House	99	556	7.8	(2.0)	(4.9)	-	22.3	-15.1	6.3	-	-	-	-	-	-	-	78	91	15	6	3	53	126	(177)	-	25	2.80	-	-	
Newton Rigg	99	171	11.5	4.9	8.2	0.0	26.9	-9.4	9.1	-	928	100	29	15 Nov	(196)	(153)	23	25	1	3	3	7	63	(111)	-	3	(3.18)	(89)	S	
Sellafield	99	13	(12.3)	(6.8)	(9.5)	-	28.0	-8.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42	(81)	-	-	(3.30)	-	-	
Lancashire																														
Hazellrigg	99	95	11.6	6.1	8.9	-	25.8	-5.9	-	-	1055	-	55	5 Aug	195	155	33	12	0	10	5	13	51	84	-	21	3.40	-	-	
Helmshore	99	260	(10.5)	5.1	(7.8)	-	24.8	-8.7	8.7	-	1372	91	39	14 Mar	(214)	(172)	20	28	0	3	3	34	66	(106)	-	0	3.05	-	-	
Kirkham	99	24	12.0	6.2	9.1	-	27.5	-8.7	-	-	887	94	31	27 Dec	192	148	20	6	3	6	5	10	49	97	-	0	3.46	-	-	
Morecambe	99	7	12.4	7.1	9.7	+0.2	27.6	-4.8	-	-	997	102	29	27 Dec	189	149	11	3	1	4	3	4	40	-	-	2	(3.52)	(90)	-	
Preston	99	33	12.3	6.3	9.3	-	27.0	-7.5	-	-	903	90	28	5 Aug	192	144	21	3	1	8	5	8	49	83	-	0	-	-	-	
Slaithburn	99	192	11.2	4.8	8.0	-	25.3	-10.0	-	-	1454	95	51	14 Nov	221	172	41	14	9	1	2	-	69	105	-	0	3.09	-	-	
Squires Gate Airport	21-9	10	12.3	6.7	9.5	0.0	26.8	-8.6	-	-	856	99	41	1 Jun	189	147	31	5	0	11	6	10	47	83	64	3	3.78	89	-	
Stonyhurst	99	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Merseyside																														
Aigburth	99	12	12.6	7.1	9.9	-	27.0	-6.3	-	-	824	-	30	27 Dec	183	145	19	2	5	8	6	23	36	80	67	5	-	-	-	
Bidston	99	60	(11.9)	(7.1)	(9.5)	-	27.5	-6.6	-	-	803	-	27	27 Dec	181	141	22	7	7	6	9	13	35	59	-	5	3.47	-	-	
St Helens	99	76	(12.5)	(6.3)	(9.4)	-	27.9	-7.6	(10.0)	-	878	-	33	27 Dec	198	151	17	-	5	3	3	-	47	-	-	1	3.32	-	-	
Southport	99	5	12.1	6.2	9.1	-0.4	26.5	-8.3	9.8	10.3	849	102	27	27 Dec	187	144	-	-	-	-	-	-	51	76	-	-	3.51	84	-	
West Kirby Park	99	7	-	-	-	-	27.7	-	-	-	(734)	(99)	26	2 Aug	(188)	(141)	-	0	-	-	-	-	-	-	-	-	-	-	-	
Greater Manchester																														
Bolton	99	107	(11.8)	(5.8)	(8.8)	-	26.5	-7.3	9.2	9.3	1094	-	42	29 Sep	204	153	18	24	4	1	2	10	53	-	-	0	-	-	S	
Manchester																														
Ringway Airport	21-9	75	12.3	6.7	9.5	+0.1	27.6	-8.9	-	-	756	92	27	28 Dec	187	142	39	8	4	4	8	11	45	75	63	1	3.29	90	-	
Weather Centre (X)	21-9	69	12.8	7.6	10.2	-	28.3	-6.0	-	-	831	-	40	28 Dec	185	137	42	-	3	5	6	4	31	-	-	0	3.14	-	-	
Cheshire																														
Knutsford	99	65	(12.7)	(5.5)	(9.1)	-	27.6	-9.2	(9.8)	(9.9)	819	97	26	27 Dec	(185)	(155)	-	11	-	-	-	-	58	103	-	-	-	-	-	
Macclesfield	99	152	(11.8)	(5.7)	(8.7)	(-0.2)	27.2	-9.6	-	-	936	102	29	1 Jun	198	161	37	23	4	5	6	33	(58)	-	-	0	-	-	-	
Ness Gardens	99	30	12.6	6.1	9.3	-	26.6	-8.3	10.0																					







## NORTHERN IRELAND



Table 3 (continued)

District Region/County and Place	max. min.	terminal h (GMT) of observation height of station above MSL (metres)	air temperature in °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 max lowest min		30 cm °C	100 cm °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 °C	concrete min. below 0 °C	gale	daily mean (hours)	percentage of 1941 - 70 average	exposure	
			(a)	(b)			max.	min.					amount (mm)	date	0.2 mm or more	1.0 mm or more														
NORTHERN IRELAND—cont																														
Garvagh Forest . . . . .	99	88	11.8	4.9	8.3	-	24.0	-7.3	-	-	1171	97	31	1 Dec	251	189	-	16	-	-	-	3	66	117	-	-	-	-	-	-
Loughmore Forest . . . . .	99	174	11.4	4.7	8.1	-	24.4	-8.2	-	-	1194	103	39	14 Nov	267	213	64	32	18	15	3	17	69	116	-	32	-	-	-	-
Moneydig . . . . .	99	34	-	-	-	-	24.5	-8.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trasd Point . . . . .	99	16	12.3	5.3	8.8	-	23.0	-8.5	-	-	832	-	25	27 Jan	240	151	11	-	0	0	0	-	52	-	-	-	-	-	-	-
Antrim																														
Aldergrove Airport . . . . .	21-9	68	12.1	5.9	9.0	+0.1	24.5	-7.7	9.9	9.9	897	98	29	27 Dec	215	164	45	6	8	12	3	3	46	89	65	3	3.29	94	-	-
Altneahinch . . . . .	99	213	10.5	4.7	7.6	-	23.4	-8.7	-	-	1418	92	47	27 Dec	260	203	40	28	7	0	1	20	59	104	-	14	2.88	-	-	-
Ballylumford . . . . .	99	24	12.1	6.6	9.3	-	21.8	-3.0	-	-	951	-	33	27 Dec	189	144	-	-	-	-	-	-	13	75	-	-	-	-	-	-
Ballypatrick Forest . . . . .	99	152	10.9	5.1	8.0	-	23.5	-6.3	-	-	1311	102	56	27 Dec	247	184	16	-	1	0	0	11	47	88	-	-	-	-	-	-
Carnlough . . . . .	99	12	12.4	-	-	-	21.9	-6.5	-	-	995	-	41	27 Dec	211	156	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Divis Mountain . . . . .	99	363	-	3.2	-	-	22.3	-8.0	-	-	1477	121	38	11 Dec	218	204	22	-	5	0	1	-	95	-	-	-	-	-	-	-
Greenmount . . . . .	99	38	12.3	6.0	9.1	-	24.4	-7.0	10.4	-	898	103	33	27 Dec	200	157	14	8	4	0	2	-	49	84	-	-	-	-	-	-
Hyde Park (Mallusk) . . . . .	99	140	-	5.5	-	-	-	-5.6	-	-	1181	-	40	28 Dec	229	172	25	-	3	1	0	-	42	105	-	-	-	-	-	-
Kilroot Power Station . . . . .	99	12	12.2	6.4	9.3	-	22.2	-5.2	-	-	933	-	26	28 Dec	210	158	4	0	0	0	2	-	25	-	-	-	-	-	-	-
Lisnafillan . . . . .	99	38	12.2	4.7	8.5	-	24.4	-10.6	-	-	964	97	29	22 Feb	224	173	24	8	1	1	0	1	73	117	-	-	3.24	-	-	-
Lowtown . . . . .	99	271	10.2	4.6	7.4	-	21.3	-8.0	8.1	-	1475	103	73	27 Dec	256	206	25	-	0	0	0	57	62	116	-	-	2.62	-	-	-
Parkmore Forest . . . . .	99	235	10.3	4.3	7.3	-	22.5	-8.4	8.5	-	1714	104	95	27 Dec	253	201	33	24	2	0	1	-	66	-	-	22	-	-	-	-
Woodburn North . . . . .	99	217	10.6	4.9	7.7	-	21.3	-7.5	-	-	1266	106	41	27 Dec	239	190	15	13	0	0	1	43	54	97	-	-	-	-	-	-
Belfast																														
Andersonstown . . . . .	99	64	-	-	-	-	23.8	-5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malone . . . . .	99	35	12.5	5.8	9.1	-	24.0	-4.4	-	-	1002	-	34	11 Dec	207	166	-	-	-	-	-	-	45	-	-	-	-	-	-	-
Milltown . . . . .	99	37	12.8	6.0	9.4	-	25.6	-5.0	-	-	1023	-	43	28 Dec	205	163	36	10	3	12	3	-	46	97	-	-	-	-	-	-
Newtownabbey . . . . .	99	32	12.4	7.1	9.7	-	23.9	-3.6	10.4	-	1003	99	29	11 Dec	199	156	25	4	11	0	3	6	18	77	52	8	3.27	-	5	-
Rosebank . . . . .	99	47	12.5	6.1	9.3	-	23.9	-4.1	-	-	958	-	33	28 Dec	195	154	-	7	-	-	-	-	34	-	-	-	-	-	-	-
Rosetta . . . . .	99	24	-	-	-	-	23.5	-5.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stormont Castle . . . . .	99	56	12.0	6.2	9.1	-	23.2	-4.5	10.1	10.2	994	107	45	28 Dec	201	159	11	-	1	0	0	5	34	101	-	-	3.13	-	-	-
Down																														
Bangor Seacourt . . . . .	99	15	12.2	7.1	9.7	-	23.7	-2.9	-	-	938	-	37	1 Dec	202	151	28	4	12	13	2	8	10	60	-	-	3.57	-	-	-
Ballywalter Park . . . . .	-	11	-	-	-	-	-	-	-	-	840	99	28	22 Feb	199	144	-	-	-	-	-	-	-	-	-	-	-	3.88	-	-
Ballywatricook . . . . .	99	6	12.0	6.3	9.1	-	21.9	-4.4	9.6	9.9	867	110	31	7 Dec	196	147	23	7	1	11	3	7	29	74	-	4	3.68	-	-	-
Downpatrick . . . . .	99	26	-	-	-	-	23.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Helens Bay . . . . .	99	43	12.3	6.7	9.5	-	24.0	-3.5	-	-	958	112	32	1 Dec	194	147	22	2	2	14	1	6	23	85	-	18	3.56	-	-	-
Hillsborough . . . . .	99	116	11.6	5.7	8.7	0.0	22.8	-6.1	9.6	-	969	107	42	27 Dec	216	155	19	-	0	0	0	7	43	122	-	15	3.57	103	-	-
Magherally . . . . .	99	97	12.0	4.7	8.3	-	24.0	-9.1	-	-	862	-	33	28 Dec	211	164	-	11	-	-	-	-	60	115	-	-	-	-	-	-
Murlough . . . . .	99	9	12.5	5.5	9.0	-	21.8	-9.0	9.5	9.4	1018	-	59	27 Dec	204	139	15	-	0	8	3	13	51	93	-	30	3.69	-	-	-
Newry . . . . .	99	1	12.8	6.2	9.5	-	23.9	-6.4	-	-	903	-	65	28 Dec	192	143	-	0	-	-	-	0	36	-	-	-	-	-	-	-
Silent Valley . . . . .	99	129	11.5	5.9	8.7	-	21.4	-4.5	-	-	1555	-	118	28 Dec	215	171	32	-	4	0	0	-	41	97	-	-	3.70	-	-	-
Armagh																														
Armagh . . . . .	99	62	12.4	5.9	9.1	-0.2	24.6	-6.1	10.5	10.7	772	89	39	1 Dec	213	158	29	15	8	3	2	4	46	102	-	22	2.99	87	-	-
Loughgall . . . . .	99	25	12.5	5.7	9.1	-	24.0	-6.7	-	-	750	93	27	1 Dec	211	152	18	-	1	0	0	-	48	136	-	4	3.38	-	-	-
Lurgan . . . . .	99	55	12.7	6.0	9.3	-	24.4	-6.8	10.0	10.1	817	100	28	7 Dec	214	157	11	-	0	0	0	-	44	107	-	-	3.19	-	-	-
Tandragee . . . . .	99	43	13.2	5.5	9.3	-	25.0	-8.5	-	-	704	-	28	1 Dec	183	147	-	-	-	-	-	-	54	-	-	-	-	-	-	-
Tyrone																														
Altaveedan . . . . .	99	175	-	-	-	-	23.2	-8.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carrigans . . . . .	21-9	113	12.1	5.8	8.9	-	24.7	-7.2	-	-	1223	108	36	1 Dec	247	198	50	21	25	5	4	9	52	96	62	2	2.88	-	-	-
Cookstown . . . . .	99	77	-	-	-	-	24.0	-5.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lough Bradan . . . . .	99	169	11.2	4.1	7.7	-	24.2	-9.1	-	-	1497	106	39	14 Nov	253	209	-	15	-	-	-	4	81	119	-	-	2.97	-	-	-
Pomeroy Forest . . . . .	99	174	11.3	4.9	8.1	-	22.5	-6.8	9.8	-	1245	111	41	1 Dec	236	189	18	-	0	0	0	-	56	-	-	-	-	-	-	-
Strabane Convent . . . . .	99	44	-	-	-	-	25.9	-6.9	-	-	992	103	42	14 Nov	242	191	30	14	10	1	3	13	-	-	-	26	2.95	-	-	-
Tievenny . . . . .	89	41	12.3	5.6	8.9	-	24.7	-8.0	-	-	1125	-	45	1 Dec	225	185	-	-	-	-	-	-	47	84	-	-	-	-	-	-
Fermanagh																														
Castle Archdale Forest . . . . .	99	66	12.1	5.5	8.8	+0.1	24.4	-8.4	10.0	10.0	1103	96	32	14 Nov	243	188	29	7	6	0	1	6	50	110	-	0	2.66	76	-	-
Corgary . . . . .	99	156	11.6	5.7	8.7	-	24.4	-6.2	-	-	1248	-	41	14 Nov	223	210	33	-	21	0	0	9	33	79	55	-	-	-	-	-
Knockarevan . . . . .	99	53	-	-	-	-	25.5	-9.0	-	-	1112	-	42	14 Nov	227	174	-	11	-	-	-	-	-	-	-	-	-	-	-	-
Lisnakea . . . . .	99	49	12.6	5.4	9.0	-	24.3	-7.8	-	-	971	100	29	14 Nov	219	176	18	-	0	0	1	12	51	90	-	-	-	-	-	-
Lough Navar Forest . . . . .	99	148	11.7	4.7	8.2	-	24.2	-8.6	-	-	1604	107	43	27 Sep	251	207	33	28	12	2	5	31	67	126	-	-	-	-	-	-



Table 4 Summary of observations at fixed hours

1978

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 (°C)	dewpoint of wet bulb (°C)	vapour pressure (mb)	relative humidity (%)	mean	oktas					0 - 39 m	40 - 190 m	200 - 390 m	400 - 990 m	1000 - 1900 m	2000 - 3900 m	4 - 9 km	10 - 19 km	20 - 39 km	40 km and over	beaufort force						N	NE	E	SE	S	SW	W	NW																			
												0	1 - 2	3 - 5	6 - 7	8											sky obscured	18 or more	6-7	4-5	1-3	speed (kph)																											
																																22-33									11-21	1-10	0	0	0	0	0	0	0										
																																																		0	0	0	0	0	0	0	0	0	0
0 SCOTLAND N																																																											
Shetland																																																											
Fair Isle	61	9	1010.3	-	-	7.2	0.8	9.1	87	6.2	5	42	38	157	107	16	0	11	5	5	13	21	42	90	75	103	39	91	158	68	9	46	29	48	53	54	32	62	32																				
	15		1010.3	-	-	7.6	1.0	9.3	86	6.1	6	39	51	137	114	18	0	8	5	15	19	17	41	85	98	77	31	110	171	47	6	44	-20	47	51	65	28	70	34																				
	21		1010.5	-	-	6.9	0.7	9.1	89	6.1	8	48	42	123	124	20	0	15	2	4	27	16	28	83	96	94	36	84	147	81	17	41	22	49	50	48	42	60	36																				
Lerwick	83	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																					
	9		1010.1	-0.1	6.8	-	-	-	-	6.3	3	22	72	134	122	12	0	8	7	6	4	27	73	69	107	64	5	67	170	118	5	39	34	21	55	56	56	55	44																				
	15		1010.0	-	-	7.4	-	8.8	-	6.3	5	28	62	146	110	14	0	9	4	9	3	24	74	81	101	60	6	60	199	97	3	30	26	33	50	68	59	61	38																				
	21		1010.3	-	-	6.2	-	8.7	-	6.3	6	29	61	116	137	16	0	12	5	7	6	27	66	82	121	39	5	61	154	136	9	35	32	24	47	61	63	54	40																				
Orkney																																																											
Kirkwall	26	3	1010.4	-	-	6.4	0.6	9.0	91	6.1	6	41	46	126	136	10	0	4	5	6	4	9	55	87	153	42	4	36	185	121	19	31	20	31	53	66	46	78	21																				
	9		1010.6	0.0	7.7	0.9	9.4	86	6.3	8	31	40	171	111	4	0	1	1	6	1	13	47	92	127	77	6	46	196	111	6	39	23	39	50	70	42	66	30																					
	15		1010.5	-	-	8.7	1.4	9.5	81	6.2	3	37	52	156	116	1	0	0	2	3	6	58	70	132	94	5	63	196	100	1	38	22	39	55	72	27	78	33																					
	21		1010.8	-	-	6.8	0.7	9.1	89	6.1	2	48	50	133	123	9	0	5	3	4	4	7	49	78	148	67	4	40	164	142	15	27	18	42	56	57	43	81	26																				
Western Isles																																																											
Benbecula	7	3	1010.0	-	-	7.6	0.6	9.8	91	5.9	7	52	57	120	129	0	0	0	1	1	1	12	49	61	160	80	4	48	144	159	10	43	33	36	50	60	46	59	28																				
	9		1010.2	-0.6	8.6	0.9	10.0	87	6.2	6	36	47	180	95	1	0	0	0	2	1	14	42	68	158	80	2	57	178	125	3	39	31	43	39	77	46	52	35																					
	15		1010.2	-	-	9.8	1.4	10.2	82	6.0	6	40	59	162	98	0	0	0	0	0	7	8	34	59	144	113	1	63	199	101	1	29	32	28	42	65	61	72	36																				
	21		1010.4	-	-	8.2	0.8	10.0	89	5.8	5	56	54	139	108	3	0	0	0	4	1	11	44	50	157	98	1	53	164	136	11	42	30	39	44	59	48	65	27																				
Stornoway	5	3	1009.9	-	-	7.1	0.6	9.5	91	5.9	10	58	42	111	142	2	0	0	1	3	1	3	47	92	181	37	1	24	131	192	17	41	21	42	20	61	64	65	34																				
	9		1010.2	-0.5	8.1	0.9	9.7	87	6.2	2	31	62	161	109	0	0	0	0	1	2	10	56	81	153	62	4	29	157	161	11	26	39	37	28	79	58	53	34																					
	15		1010.0	-	-	9.2	1.4	9.9	82	6.1	3	34	60	163	105	0	0	0	0	0	0	8	47	78	158	74	5	27	201	132	0	28	44	36	28	84	48	69	28																				
	21		1010.4	-	-	7.7	0.8	9.7	89	5.9	7	55	49	131	123	0	0	0	0	1	1	4	46	85	179	49	0	24	145	184	12	40	26	41	34	57	69	63	23																				
Highland																																																											
Cape Wrath	113	3	1009.5	-	-	7.3	0.8	9.4	89	6.2	3	26	94	71	140	31	0	17	7	8	1	4	15	52	173	88	12	67	134	151	1	22	22	58	42	34	98	55	33																				
	9		1009.7	-	-	7.5	0.8	9.4	88	6.6	4	6	75	104	147	29	1	11	12	10	1	3	21	64	165	77	20	49	139	154	3	25	17	58	50	29	97	55	31																				
	15		-	-	-	-	-	-	-	6.6	1	14	54	137	132	27	4	14	7	7	0	3	21	60	168	81	21	66	134	144	0	22	16	62	43	25	99	61	37																				
	21		1009.9	-	-	7.6	0.8	9.5	89	6.4	1	15	86	92	142	29	0	11	10	8	0	0	12	61	174	89	17	68	136	141	3	23	16	63	44	32	86	67	31																				
Dalcross	12	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																					
	15		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																					
Wick	37	3	1010.4	-	-	6.3	0.7	8.8	89	5.9	5	54	56	129	114	7	0	5	2	3	4	19	52	52	144	84	1	18	144	197	5	35	17	28	60	66	54	70	30																				
	9		1010.6	-0.3	7.5	1.1	9.1	84	6.3	5	31	41	195	86	7	0	2	4	3	6	11	56	60	123	100	2	28	179	156	0	39	17	37	55	74	36	66	41																					
	15		1010.5	-	-	8.6	1.6	9.2	79	6.2	1	33	53	191	83	4	0	1	3	4	2	13	40	57	138	107	2	39	192	131	1	27	23	35	66	74	26	68	43																				
	21		1010.9	-	-	6.9	0.9	8.9	86	5.9	1	63	42	143	108	8	0	3	4	2	3	10	52	56	163	72	2	16	155	188	4	39	18	37	57	58	39	70	43																				
1 SCOTLAND E																																																											
Grampian																																																											
Dyce	59	3	1011.0	-	-	6.2	0.8	8.8	88	6.1	10	48	46	117	131	13	0	2	4	15	11	39	76	47	93	78	0	4	91	218	52	26	12	21	40	67	33	55	59																				
	9		1011.2	-0.8	8.0	1.3	9.2	82	6.2	6	39	40	166	110	4	0	0	0	2	6	21	34	67	55	89	122	0	6	122	209	28	34	15	24	47	56	46	53	62																				
	15		1010.9	-	-	9.8	2.0	9.4	75	6.1	4	42	43	161	113	2	0	0	3	7	6	21	82	46	80	125	0	10	149	197	9	36	13	42	71	70	24	44	56																				
	21		1011.4	-	-	7.2	1.0	9.1	85	5.9	12	47	54	111	137	4	0	1	2	9	7	37	83	66	83	77	0	7	93	236	29	30	11	38	52	64	36	51	54																				
Fraserburgh	22	3	1010.9	-	-	7.4	0.8	9.4	88	5.9	11	51	65	65	159	14	0	0	0	14	2	0	6	172	171	0	5	47	120	190	3	24	14	32	54	83	48	64	43																				
	9		1011.1	-0.5	8.3	1.1	9.6	85	6.2	3	24	76	115	140	7	0	4	1	4	0	1	12	129	213	1	5	49	128	182	1	30	10	40	56	73	39	64	52																					
	15		1010.9	-	-	9.3	1.4	9.9	82	6.1	3	21	88	125	124	4	0	0	1	4	1	0	9	133	217	0	6	50	136	173	0	29	16	51	68	65	25	64	47																				
	21		1011.3	-	-	7.9	0.9	9.6	87	6.0	7	37	83	90	140	8	0	3	0	7	1	1	14	165	214	0	8	50	115	191	1	26	10	38	73	84	29	48	56																				
Kinloss	6	3	1010.8	-	-	6.8	1.0	8.7	85	5.9	6	47	47	164	99	2	0	0	1	2	2	17	53	66	147	77	1	5	108	226	25	19	13	45	21	59	124	33	26																				
	9		1011.1	-0.4	8.1	1.4	9.1	81	6.2	4	32	49	197	82	1	0	0	0	0	0	10	66	57	111	131	2	14	124	212	13	37	19	41	22	46	101	54	32																					
	15		1011.0	-	-	10.1	2.1	9.4	74	6.1	1	33	47	214	70	0	0	0	0	0	2	6	33	73	98	153	2	17	175	166	5	56	25	51	23	32	85	59	29																				
	21		1011.3	-	-	7.7	1.2	9.1	83	5.9	4	52	51	159	97	2	0	1	0	0	5	18	44	68	137	92	1	7	119	226	12	20	17	76	16	47	117	37	23																				
Lossiemouth	6	3	1010.7	-	-	6.5	0.9	8.7	86	5.9	8	50	49	149	108	1	0	0	3	3	4	13	49	59	129	105	1	10	128	205	21	24	7	46																									



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																						
				at MSL (mb)	difference from 1941 - 70 average	dry bulb (°C)	depression of wet bulb (°C)	vapour pressure (mb)	relative humidity (%)	mean	oktas					0 - 39 m	40 - 190 m	200 - 390 m	400 - 990 m	1000 - 1900 m	2000 - 3900 m	4 - 9 km	10 - 19 km	20 - 39 km	40 km and over	beaufort force					N	NE	E	SE	S	SW	W	NW							
											0	1 - 2	3 - 5	6 - 7	8											sky obscured	34 or more	22-33	6-7	4-5									1-3	calm					
																																									speed (kt)				
																																									Number of observations				
6 SCOTLAND W - cont.																																													
Strathclyde Sioy	-cont	9	-	-	-	8.5	1.5	9.3	81	6.3	11	31	43	120	160	0	0	0	0	1	0	7	75	281	1	0	1	22	283	59	14	19	19	37	59	49	48	61							
	15	-	-	-	10.6	2.4	9.5	73	6.4	4	26	54	133	148	0	0	0	0	0	0	1	70	292	2	0	1	27	303	34	16	14	20	49	77	45	54	56								
	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
	10	3	1010.5	-	8.1	0.7	10.0	90	5.9	11	54	49	103	147	1	0	0	2	4	2	8	68	92	117	72	5	59	182	103	16	37	21	32	51	69	45	60	34							
Tiree	9	1010.7	-0.8	9.0	1.0	10.3	86	6.3	6	27	45	171	116	0	0	0	2	2	9	62	104	95	91	7	7	61	206	86	5	45	12	36	66	65	43	63	30								
	15	1010.7	-	10.1	1.4	10.5	81	5.9	5	46	61	148	105	0	0	0	1	0	3	8	54	98	83	118	9	69	201	84	2	50	10	29	54	68	49	65	38								
	21	1010.9	-	8.5	0.8	10.2	88	5.8	7	59	47	124	128	0	0	0	1	1	6	5	69	104	93	86	6	70	168	109	12	43	18	28	63	55	55	57	34								
	Dumfries & Galloway																																												
Eskdalemuir	237	3	-	-	5.0	0.5	8.5	92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
	9	1012.5	-0.7	7.0	1.2	9.0	85	6.4	9	34	39	122	158	3	0	2	5	7	6	43	70	74	108	50	2	18	102	192	51	47	36	13	30	79	48	41	20								
	15	1011.9	-	9.1	2.0	9.3	78	6.5	3	21	61	146	134	0	0	1	2	4	5	23	53	76	119	84	1	18	158	172	16	47	37	20	16	94	55	56	24								
	21	1012.8	-	6.3	0.9	8.9	88	5.9	16	42	50	113	142	2	0	0	3	5	7	36	74	88	105	47	0	14	94	174	83	54	22	6	19	72	43	51	15								
2 ENGLAND E & NE																																													
Northumberland																																													
Boulmer	27	3	1011.9	-	6.8	0.6	9.4	91	5.6	25	52	49	90	136	13	0	9	6	8	9	42	73	45	90	83	0	13	96	237	19	27	17	18	24	74	61	94	31							
	9	1012.2	-	8.4	1.1	9.9	86	6.2	8	29	58	170	97	3	0	2	4	4	12	44	70	70	75	84	0	17	139	203	6	43	13	29	41	69	50	73	41								
	15	1011.8	-	9.8	1.5	10.2	81	6.0	9	27	68	163	95	3	0	2	2	6	9	47	51	68	82	98	1	19	164	180	1	44	28	39	58	50	58	59	28								
	21	1012.3	-	7.5	0.8	9.7	89	5.6	18	54	55	113	121	4	0	3	5	3	14	53	65	64	90	68	0	15	94	245	11	30	18	25	23	83	66	77	32								
Seahouses	12	3	1011.7	-	-	-	-	-	5.3	21	70	56	103	102	13	4	6	2	5	4	17	84	67	175	1	3	18	95	225	24	35	15	20	5	82	63	101	20							
	9	1011.9	-	-	-	-	-	-	6.0	5	33	73	150	98	6	2	3	2	4	12	41	75	63	153	10	3	35	125	179	23	50	18	25	20	80	39	85	25							
	15	1011.6	-	-	-	-	-	-	5.9	5	29	87	141	101	2	1	0	2	3	18	35	77	53	158	18	6	32	135	182	10	59	18	37	24	72	43	82	20							
	21	-	-	-	-	-	-	-	5.3	23	57	78	93	106	8	1	0	3	6	9	29	82	65	168	2	2	16	115	208	24	46	14	33	12	93	53	82	8							
Tyne & Wear																																													
Newcastle Weather Centre (X)	72	3	1012.5	-	7.5	1.0	9.3	85	5.5	28	57	41	94	141	4	0	2	4	8	16	26	80	74	107	48	0	0	62	285	18	39	16	19	19	61	61	114	18							
	9	1012.8	-	8.7	1.5	9.4	80	5.9	8	50	56	126	124	1	0	1	4	4	10	42	100	75	79	53	0	3	87	271	4	38	22	24	33	70	55	87	32								
	15	1012.3	-	10.7	2.4	9.6	72	6.0	5	43	61	141	113	2	0	2	1	2	8	39	77	79	104	53	0	1	111	251	2	34	35	61	24	55	44	86	24								
	21	1012.8	-	8.6	1.4	9.5	82	5.6	21	56	53	112	119	4	0	0	1	5	7	43	97	94	93	25	0	0	68	284	13	31	32	36	24	58	53	103	15								
Tynemouth	40	3	1012.4	-	7.8	1.0	9.5	86	5.4	36	51	53	93	127	5	0	4	1	5	16	47	167	124	0	6	21	142	181	15	46	12	17	14	90	30	130	11								
	9	1012.6	-0.9	8.5	1.3	9.6	83	6.0	17	25	67	131	119	6	0	6	2	3	12	44	60	150	88	0	8	37	138	170	12	59	11	20	22	91	32	99	19								
	15	1012.2	-	9.9	1.8	9.8	78	6.0	17	16	81	124	121	6	1	4	2	3	13	40	51	137	113	1	3	46	163	144	9	59	18	45	32	75	28	87	12								
	21	1012.7	-	8.6	1.3	9.7	83	5.5	38	34	75	83	130	5	0	1	4	2	2	28	51	190	88	0	6	27	125	192	15	47	6	34	15	104	26	107	11								
North Yorkshire																																													
Leeming	33	3	1012.8	-	7.0	0.8	9.3	89	5.7	33	42	43	92	143	12	0	5	2	18	30	32	64	51	103	60	0	5	85	268	7	57	12	7	57	80	35	67	43							
	9	1013.1	-0.9	8.5	1.3	9.6	83	6.2	8	40	45	135	125	12	0	7	2	12	17	35	78	67	62	85	0	8	133	216	8	70	17	10	54	76	31	63	36								
	15	1012.4	-	11.2	2.5	9.9	73	6.0	5	37	67	143	106	7	0	4	1	9	10	28	58	68	93	94	0	13	176	173	3	47	37	14	51	49	80	27									
	21	1013.1	-	8.4	1.2	9.8	85	5.7	18	54	56	102	124	11	0	6	6	9	9	40	61	69	90	75	0	5	84	266	10	50	17	12	59	62	45	77	33								
Whitby C.G.	66	3	1012.4	-	7.6	0.8	9.7	89	5.4	36	49	63	61	151	5	1	3	4	4	7	19	81	76	133	37	3	36	131	175	20	14	24	9	24	98	83	53	40							
	9	1012.6	-	8.6	1.0	10.0	87	6.1	8	26	73	118	133	7	0	3	6	14	23	73	84	126	33	5	47	129	155	29	18	29	20	30	74	62	45	58									
	15	1012.2	-	10.1	1.5	10.4	82	6.2	5	18	80	120	136	6	1	5	2	2	13	21	71	76	146	28	8	37	137	157	26	30	33	25	48	80	56	40	47								
	21	1012.7	-	8.5	1.0	9.9	87	5.6	19	44	80	59	156	7	0	5	0	4	5	24	74	94	126	33	4	26	134	172	29	20	28	16	27	90	78	50	27								
Humberside																																													
Spurn Point	20	3	1013.1	-	8.2	0.8	10.0	89	5.2	52	49	54	46	155	9	0	5	3	2	8	22	84	192	49	0	1	22	181	142	19	30	27	19	28	64	59	81	38							
	9	1013.5	-	9.0	1.1	10.1	85	6.1	12	34	85	100	142	12	2	4	5	11	15	39	82	150	56	1	1	28	189	128	19	38	24	28	31	61	56	75	33								
	15	1013.0	-	10.5	1.7	10.4	80	6.0	11	28	80	123	121	2	0	1	2	2	13	33	78	175	61	0	2	37	189	125	12	41	32	45	42	41	50	75	27								
	21	1013.5	-	8.9	1.0	10.3	86	5.3	30	56	74	57	141	7	2	3	3	2	5	25	85	187	53	0	1	23	172	147	22	39	30	25	46	59	53	65	26								
Lincolnshire																																													
Binbrook	112	3	1013.4	-	6.4	0.5	9.2	91	5.5	40	52	35	79	149	10	0	11	3	15	26	65	82	71	86	6	0	10	123	221	11	35	25	18	23	61	95	62	35							
	9	1013.6	-	8.1	1.0	9.9	87	6.2	7	45	26	162	116	9	0	9	7	10	11	44	93	83	86	17	0	9	164	189	3	47	31	22	24	56	80	61	41								
	15	1012.9	-	10.3	1.9	10.1	78	6.2	3	28	64	167	95	8	2	4	3	2	15	19	80	99	118	23	1	16	188	158	2	36	45	29	23	45	72	81	32								
	21	1013.7	-	7.6	0.8	9.7	88	5.5	12	66	58	113	110	6	0	5	3	8	18	48	92	80	102	9	0	5	140	220	0	37	25	33	32	53	85	75	25								
Waddington	70	3	1013.4	-	6.8	0.6	9.4	90	5.6	48	36	44	87	140	10	0	7	8	13	26	39	86	94	80	12																				



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																												
				at MSL (mb)	difference from 1941-70 average	dry bulb (°C)	depression of wet bulb (°C)	vapour pressure (mb)	relative humidity (%)	mean	oktas					0-39 m	40-190 m	200-390 m	400-990 m	1000-1900 m	2000-3900 m	4-9 km	10-19 km	20-39 km	40 km and over	beaufort force					N	NE	E	SE	S	SW	W	NW															
											0	1-2	3-5	6-7	8											sky obscured	0-39 m	40-190 m	200-390 m	400-990 m									1000-1900 m	2000-3900 m	4-9 km	10-19 km	20-39 km	40 km and over	speed (kt)								
																																													8 or more	6-7	4-5	1-3	calm				
																																																		22-33	11-21	1-10	0
3 EAST ANGLIA -cont																																																					
Essex																																																					
Shoeburyness	5	9	1014.5	-1.1	10.0	1.3	10.7	83	6.1	6	41	37	186	91	4	0	4	2	4	15	26	73	116	101	24	0	5	131	229	0	39	26	29	25	52	71	72	51															
			15	1013.9	-	12.3	2.4	10.9	74	6.0	4	44	48	184	84	1	0	1	0	3	4	14	74	97	131	41	0	10	168	187	0	31	20	58	32	39	77	67	41														
			21	1014.5	-	9.7	1.2	10.7	85	5.2	24	68	60	120	90	3	0	3	1	5	6	21	68	95	136	30	0	6	111	244	4	36	32	27	33	42	93	63	35														
			Stansted	102	3	1014.0	-	7.0	0.6	9.6	91	5.8	26	46	49	91	142	11	0	7	14	14	20	58	109	76	61	6	0	2	74	256	33	42	28	18	31	38	77	57	41												
					9	1014.4	-1.1	8.9	1.2	10.1	85	6.1	9	43	46	132	121	14	1	6	10	9	11	40	92	77	90	29	0	3	118	228	16	44	30	32	27	40	67	69	40												
15	1013.5	-			11.9	2.7	9.9	70	5.9	5	44	63	159	88	6	0	3	2	4	5	11	56	93	131	58	0	8	167	188	2	44	28	31	31	38	68	74	49															
	21	1014.3	-	8.6	1.2	9.9	85	5.3	21	71	48	118	102	5	0	4	1	4	9	46	101	83	101	16	0	2	73	275	15	45	27	38	36	38	78	56	32																
4 MIDLAND COUNTIES																																																					
West Yorkshire																																																					
Huddersfield	235	3	1013.2	-	5.9	0.7	8.6	89	6.7	14	13	39	72	225	2	1	9	8	19	19	27	98	119	64	1	7	18	87	211	42	22	30	15	28	47	63	81	37															
			9	1013.5	-	8.0	1.1	9.6	86	6.3	22	16	54	91	179	3	1	8	5	16	17	25	138	70	84	1	2	9	99	238	17	36	23	27	31	71	56	78	26														
			15	1013.0	-	10.2	1.9	10.0	78	6.5	10	13	51	126	160	5	1	4	5	1	10	23	73	107	138	3	4	18	127	209	7	37	15	26	35	55	76	86	28														
			21	1013.5	-	7.5	0.8	9.6	88	6.1	31	20	49	102	158	5	0	7	3	12	6	27	59	104	147	0	1	18	82	205	59	25	18	23	24	43	61	81	31														
Wilsden	267	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																
			9	1013.5	-	7.2	1.0	9.2	87	6.0	16	31	70	81	140	27	0	13	9	19	22	34	92	114	61	1	0	13	140	184	28	24	25	37	34	29	59	96	33														
			15	1012.9	-	9.3	1.8	9.4	78	6.1	3	33	79	102	132	16	0	9	5	9	13	18	88	142	81	0	0	14	160	174	17	25	29	32	30	39	53	124	16														
			21	1013.6	-	7.1	0.9	9.2	87	5.6	20	54	64	52	159	16	0	9	5	3	10	16	113	189	20	0	0	12	109	212	32	24	24	37	31	30	63	111	13														
South Yorkshire																																																					
Finningley	15	3	1013.1	-	6.8	0.6	9.4	91	5.7	25	48	46	100	134	12	2	4	8	10	26	33	103	79	73	27	0	3	68	266	28	31	15	18	46	69	43	71	44															
			9	1013.4	-1.1	9.0	1.3	10.0	83	6.0	11	46	42	135	121	10	0	6	1	4	21	39	102	77	88	27	0	6	112	236	11	37	26	20	43	76	43	60	49														
			15	1012.7	-	11.7	2.5	10.2	72	6.0	4	38	70	149	100	4	0	3	0	3	8	20	62	106	119	44	0	8	161	194	2	39	25	39	31	53	56	84	36														
			21	1013.4	-	8.5	1.1	10.0	86	5.6	27	51	39	130	115	3	0	5	0	8	22	35	89	85	104	17	0	2	78	270	15	35	19	32	49	55	59	70	31														
Nottinghamshire																																																					
Wetnall	119	3	1013.7	-	6.8	0.5	9.5	92	5.7	41	40	35	86	166	7	1	5	4	9	22	54	116	99	55	0	0	1	65	277	22	45	37	23	19	30	93	68	28															
			9	1014.0	-0.6	8.5	1.1	10.0	86	6.1	13	47	37	125	132	11	0	9	7	17	22	54	110	81	60	5	0	4	102	253	6	43	40	27	14	39	96	65	35														
			15	1013.3	-	11.2	2.2	10.3	76	6.1	2	44	56	145	112	6	0	2	3	8	7	33	95	89	95	33	0	4	126	233	2	32	44	32	17	32	75	97	34														
			21	1014.0	-	8.3	1.0	9.9	87	5.5	32	50	43	113	123	4	0	3	5	14	12	42	124	100	63	2	0	0	83	272	10	31	41	31	19	37	89	81	26														
Salop																																																					
Shawbury	76	3	1013.6	-	7.2	0.7	9.6	90	5.7	30	45	46	96	144	4	0	7	4	12	21	30	65	88	136	2	0	6	55	271	33	27	18	41	33	56	50	76	31															
			9	1013.8	-1.0	9.0	1.2	10.2	85	6.1	6	34	67	124	131	3	0	3	2	13	13	38	87	56	124	29	0	6	94	257	8	31	19	40	43	55	49	77	43														
			15	1013.2	-	11.8	2.3	10.6	74	6.2	1	20	80	171	91	2	0	2	0	4	5	19	60	91	137	47	0	17	143	204	1	44	21	41	31	44	51	87	45														
			21	1013.9	-	8.6	1.1	10.1	86	5.5	17	60	59	111	115	3	0	3	1	7	14	26	76	84	141	13	0	4	79	274	8	49	18	37	29	59	60	63	42														
West Midlands																																																					
Edgbaston	165	9	1014.1	-1.1	8.5	1.4	9.3	81	6.3	11	28	40	147	127	12	2	8	5	9	20	20	129	117	49	6	0	2	71	273	19	30	28	30	19	64	64	49	62															
			15	1013.2	-	11.4	2.8	9.4	69	6.3	4	30	45	175	109	2	0	4	3	3	10	4	90	124	92	35	0	6	102	253	6	44	28	26	24	54	57	74	52														
			21	1014.0	-	9.2	1.7	9.5	78	5.5	24	54	53	116	113	5	2	3	4	3	5	11	104	149	80	4	0	1	63	275	26	48	25	30	14	58	63	60	41														
			Elmdon	100	3	1014.0	-	6.9	0.7	9.3	89	5.6	36	45	41	103	131	9	0	8	5	12	14	43	80	106	90	7	0	0	91	236	38	28	23	16	44	59	64	43	50												
9	1014.2	-0.9				8.8	1.4	9.7	82	6.2	11	34	50	140	119	11	0	3	6	7	15	37	92	145	52	8	0	6	134	217	8	27	39	20	39	60	57	53	62														
15	1013.4	-				11.8	2.8	9.8	69	6.1	4	35	55	169	99	3	0	1	5	6	10	65	150	109	19	0	7	170	186	2	35	38	25	31	47	68	66	53															
21	1014.2	-				8.7	1.3	9.7	82	5.5	20	64	42	129	104	6	0	3	1	6	10	16	87	158	77	7	0	3	89	252	21	31	25	29	32	48	74	63	52														
Gloucester																																																					
Innsworth	24	3	1014.1	-	7.8	0.9	9.8	88	5.4	49	33	45	120	111	7	0	6	3	3	9	31	112	101	88	12	0	1	47	269	48	42	24	14	21	106	67	27	16															
			9	1014.5	-	9.6	1.5	10.2	82	5.9	10	46	48	163	95	3	0	2	2	6	10	38	117	80	63	49	0	1	82	268	14	47	26	19	24	60	95	50	30														
			15	1013.7	-	12.7	3.0	10.2	68	6.1	4	31	67	180	82	1	0	0	0	0	10	13	74	105	112	51	0	4	132	224	5	52	31	24	19	53	78	73	30														
			21	1014.4	-	9.6	1.5	10.2	81	5.3	22	61	56	136	88	2	0	2	3	4	9	20	103	113	84	27	0	3	54	282	26	45	26	28	23	95	66	39	17														
Oxfordshire																																																					
Benson	74	3	1014.4	-	7.4	0.7	9.7	89	5.3	44	49	49	80	133	10	0	7	5	9	9	39	83	98	95	20	0	2	70	200	93	36	16	20	28	75	40	33	24															
			9	1014.8	-	9.2	1.3	10.1	83	6.1	6	47	44	148	109	11	0	5	7	8	7	41	68	94	86	49	0	6	115	199	45	49	23	19	29	55	54	55	36														
			15	1013.9	-	12.6	2.9	10.3	69	6.2	3	26	71	171	91	3	0	2	2	5	16	45	113	98	82	0	4	163	185	13	56	25	19	27	57	47	83	38															
			21	1014.7	-	9.3	1.3	10.2	83	5.3	27	62	56	104	110	6	0	5	3	0	6	22	82	97	115	35	0	4	70	22																							



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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
				at MSL (mb)	difference from 1941-70 average	dry bulb (°C)	depression of wet bulb (°C)	vapour pressure (mb)	relative humidity (%)	mean	oktas					0-39 m	40-190 m	200-390 m	400-990 m	1000-1900 m	2000-3900 m	4-9 km	10-19 km	20-39 km	40 km and over	beaufort force					N	NE	E	SE	S	SW	W	NW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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**Table 5 Number of days with maximum and minimum temperatures between given limits during 1978**

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	0.0 or less	-1.0 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	0.0 or less	-1.0 to -5.0	-5.1 to -10.0	-10.1 to -15.0
Lerwick (Psychrometer)	7	69	139	139	11	0	0	0	0	4	34	135	168	24	0	0	6	46	83	104
Lerwick (Screen)	8	70	130	144	13	0	0	0	0	4	41	134	163	23	0	0	2	34	69	91
Stornoway	1	43	127	151	41	2	0	0	0	3	35	102	161	64	0	0	3	34	70	89
Craibstone	8	63	90	119	75	10	0	0	0	8	54	128	129	43	0	0	1	22	68	101
Abbotsinch	4	53	82	100	104	18	4	0	0	24	41	86	137	76	0	0	3	27	96	83
Rothsay	2	48	99	112	92	11	1	0	0	0	38	101	150	76	0	0	1	36	112	118
Eskdalemuir (Psychrometer)	16	89	79	114	75	11	1	0	0	21	59	123	120	39	0	0	1	36	112	118
Eskdalemuir (Screen)	14	89	80	103	83	14	2	0	0	20	58	116	122	46	1	0	1	25	99	110
Boulmer	1	55	102	113	86	8	0	0	0	4	44	100	156	59	2	0	2	32	83	98
Gorleston	1	41	75	102	102	42	2	0	0	4	42	98	131	87	3	0	1	39	95	107
Cambridge (Botanic Gardens)	1	45	58	103	96	52	10	0	0	9	50	87	134	80	5	0	1	44	83	104
Edgbaston	6	46	83	104	90	33	3	0	0	1	36	112	118	86	12	0	0	1	25	99
Kew (Psychrometer)	2	34	69	91	106	58	5	0	0	1	36	112	118	86	12	0	0	1	25	99
Kew (North-Wall Screen)	3	34	70	89	97	64	8	0	0	2	32	83	98	122	27	1	0	2	32	83
Southampton	1	22	68	101	113	57	3	0	0	0	38	101	150	76	0	0	1	36	112	118
Hastings	3	27	96	83	137	17	2	0	0	0	38	101	150	76	0	0	1	36	112	118
Stonyhurst	1	36	112	118	86	12	0	0	0	0	38	101	150	76	0	0	1	36	112	118
Douglas	1	36	112	118	86	12	0	0	0	0	38	101	150	76	0	0	1	36	112	118
Valley	1	25	99	110	117	10	3	0	0	0	38	101	150	76	0	0	1	36	112	118
Rhoose	2	32	83	98	122	27	1	0	0	0	38	101	150	76	0	0	1	36	112	118
Falmouth	1	39	95	107	107	16	0	0	0	0	38	101	150	76	0	0	1	36	112	118
Aldergrove	1	39	95	107	107	16	0	0	0	0	38	101	150	76	0	0	1	36	112	118
Armagh	1	44	83	104	110	23	0	0	0	0	38	101	150	76	0	0	1	36	112	118

**Table 6 Summary of autographic records of wind for 1978**

District Region/County and Place				height of vane in metres			distribution of hourly mean values of wind speed										highest values									
				above MSL	above ground	effective height	34 kt or more (gale force)					22-33 kt		11-21 kt	4-10 kt	less than 4 kt	hourly wind					gust				
							number of days	number of hours	number of days	number of hours	number of hours	hours of no record	mean hourly wind speed (kt)	year from N	speed kt	date	hour beginning	year from N	speed kt	date	time					
0 SCOTLAND N																										
Shetland		Lerwick . . . . .	93	10	10	24		108	153	1493	4191	2587	375	6	14.5	210	59	16 Sep	18	210	84	16 Sep	1830			
Orkney		Kirkwall Airport . . . . .	41	15	10	17		106	138	1099	4544	2484	527	0	13.7	250	56	14 Nov	14	250	87	16 Sep	1818			
Western Isles		Benbecula . . . . .	16	10	10	12		51	145	1367	4275	2595	472	0	13.9	200	45	16 Sep	12	240	73	14 Nov	1006			
Highland		Stornoway . . . . .	12	10	10	10		56	105	688	3954	3314	746	2	11.9	230	48	14 Nov	09	240	72	14 Nov	0912			
		Dalcross . . . . .	19	10	10	6		32	71	376	3316	3371	1636	29	9.9	210	41	16 Sep	13		63	16 Sep				
		Dounreay . . . . .	34	12	9	8		42	92	606	3593	3279	1051	189	11.1	130	45	7 Dec	18	260	63	14 Nov	1436			
		Duirinish . . . . .	38	20	17	9		33	93	570	3384	3458	1090	225	10.8	160	50	14 Nov	11	170	69	14 Nov	1118			
		Fort Augustus . . . . .	58	16	16	0		0	6	23	1495	3961	3235	46	5.8	240	29	16 Sep	15	240	58	14 Nov	1100			
		Wick . . . . .	45	10	10	7		45	97	573	4117	3330	695	0	11.9	250	44	16 Sep	16	250	66	16 Sep	1700			
																240	44	14 Nov	13	240	66	14 Nov	1224			
1 SCOTLAND E																										
Aberdeen		Dyce Airport . . . . .	68	10	10	1		3	36	132	2797	4074	1754	0	8.6	210	40	14 Nov	10	200	65	14 Nov	1042			
		Fraserburgh . . . . .	29	13	11	20		65	121	1015	3263	3606	785	26	11.9	280	42	24 Oct	15	240	69	14 Nov	1324			
																240	42	14 Nov	13							
Tayside		Kinloss . . . . .	18	13	13	6		31	64	303	3231	4119	1076	0	9.9	240	46	14 Nov	11	230	68	14 Nov	1124			
		Lossiemouth . . . . .	17	10	10	7		35	76	392	3488	3669	1174	2	10.4	350	44	29 Jan	04	230	68	16 Sep	1524			
		Bell Rock . . . . .	39	40	38	44		270	200	1845	4159	1851	632	2	15.8	200	48	14 Nov	09	010	64	16 Mar	1300			
Fife		Mylnfield . . . . .	40	10	10	0		0	8	34	1487	4221	2951	67	6.5	200	29	15 Nov	10	240	53	14 Nov	1224			
		Tummet Bridge . . . . .	161	16	16	0		0	5	20	842	4321	3492	85	5.4	270	28	11 Jun	12	270	57	14 Nov	1142			
																270	28	14 Nov	12							
Lothian		Leuchars . . . . .	25	13	13	1		2	67	469	3202	3774	1313	0	10.1	220	35	14 Nov	10	220	57	14 Nov	0906			
		Edinburgh																								
		Turnhouse Airport	43	13	10	0		0	50	272	3340	3808	1340	0	9.6	190	33	19 Mar	12	210	58	14 Nov	1000			
		Royal Observatory, Blackford Hill.	159	10	10	Defective Record																				
		Forth Road Bridge	72		72	Defective Record																				
6 SCOTLAND W																										
Strathclyde		Abbotsinch Airport	16	10	10	2		2	31	164	2887	4169	1536	2	8.8	210	35	15 Nov	10	210	57	15 Nov	1106			
		Ardrossan . . . . .	24	20		14		42	127	797	4094	2494	583	30	12.9	330	43	24 Jan	12	300	70	2 Jan	2042			
		Dunstaffnage . . . . .	13	10	10	2		3	51	243	3298	3764	1209	243	9.8	240	35	14 Nov	11	240	60	14 Nov	1136			
		Greenock Port . . . . .	51	49		3		4	77	357	3615	3426	1059	299	10.5	020	36	11 Jan	14	270	56	15 Sep	0424			
Dumfries and Galloway																				240	56	15 Nov	0848			
		Inchterf . . . . .	55	15	12	1		6	32	196	2676	3949	1659	274	8.7	360	38	29 Jan	06	360	59	29 Jan	0536			
		Lowther Hill . . . . .	754	27		Defective Record																				
		Machrihanish . . . . .	22	12	12	32		168	159	1390	4230	2435	534	3	14.2	120	45	7 Dec	15	290	73	3 Jan	0606			
		Paisley . . . . .	57	25	9	0		0	14	44	1691	4433	2363	229	6.9	200	32	15 Nov	09	200	60	15 Nov	1024			
		Prestwick Airport . . . . .	21	10	10	1		13	74	382	3691	3508	1166	0	10.5	120	44	7 Dec	11	120	60	7 Dec	1018			
		Tirree . . . . .	24	16	12	28		176	164	1509	4567	2200	308	0	15.2	360	49	29 Jan	04	010	66	28 Jan	2006			
Dumfries and Galloway		Eskdalemuir . . . . .	259	10	10	4		19	79	393	2682	3581	2085	0	8.9	340	43	29 Jan	07	190	69	15 Nov	0812			
		West Freugh . . . . .	25	10	10	0		0	51	316	3577	3594	982	291	10.4	120	33	7 Dec	10	290	56	3 Jan	0700			
2 ENGLAND E & NE																										
Northumberland		Blyth . . . . .	19	10	10	12		64	83	495	3243	3904	767	287	10.9	020	44	11 Jan	18	280	64	15 Sep	0800			
		Boulmer . . . . .	33	10	10	2		9	62	399	2950	4293	1109	0	9.7	240	42	14 Nov	12	240	63	14 Nov	1312			
Tyne and Wear		South Shields . . . . .	22	17	13	3		22	60	382	3127	3595	1631	3	9.6	010	46	11 Jan	19	020	56	11 Jan	1818			
		Cleveland . . . . .	28	20	20	30		185	181	1389	4171	2303	655	57	14.3	030	51	11 Jan	19	040	72	11 Jan	1900			
Durham . . . . .			119	16	10	1		1	19	75	1806	3388	3011	479	6.4	230	35	16 Sep	14	030	80	11 Jan	1900			
North Yorkshire																				280	60	15 Sep	0754			
		Leeming . . . . .	42	10	10	1		1	35	163	2881	4325	1390	0	8.9	360	37	11 Jan	19	360	80	11 Jan	1900			
		Linton-on-Ouse . . . . .	23	9	10	0		0	25	134	2353	4236	1975	62	8.0	360	33	11 Jan	20	300	57	3 Jan	0630			
Humberside		Silpho Moor . . . . .	207	15	9	0		0	7	26	1178	4303	3227	26	5.7		27	11 Jan	20		71	11 Jan	2042			
		Spurn Point . . . . .				5		20	80	563	4018	2949	363	847	12.3	010	40	11 Jan	23		82	3 Jan	0730			
		Lincolnshire	Binbrook . . . . .	118	10	10	3		12	42	263	3634	3934	917	0	10.3	010	37	11 Jan	16	280	62	3 Jan	1106		
Bedfordshire		Coningsby . . . . .	16	10	10	2		9	30	165	2922	4294	1370	0	9.0	010	37	11 Jan	18	260	64	3 Jan	0748			
		Cranwell . . . . .	68	13	13	5		14	66	420	3869	3694	738	25	10.9	360	39	11 Jan	17	290	61	3 Jan	0754			
		Scampton . . . . .	68	10	10	2		4	32	120	3345	4390	741	110	9.8	290	35	3 Jan	11	290	55	3 Jan	1142			
		Waddington . . . . .	80	10	10	0		0	35	171	3186	4561	839	3	9.5	270	32	3 Jan	10	280	57	3 Jan	0736			
3 EAST ANGLIA																										
Norfolk		Coltishall . . . . .	27	10	10	3		10	30	184	2819	4298	1451	0	9.0	030	38	11 Jan	18	020	62	11 Jan	1812			
		Gorleston . . . . .	16	13	13	7		43	65	483	3191	4277	659	107	10.7	360	53	11 Jan	21	360	74	11 Jan	2030			
		Marham . . . . .	29	10	10	2		6	35	213	3021	4158	1362	0	9.2	020	38	11 Jan	17	250	65	3 Jan	0848			
Cambridgeshire		Wittering . . . . .	87	10	10	2		9	38	164	3537	4254	796	0	9.9	300	40	3 Jan	11	290	74	3 Jan	0930			
		Wyton . . . . .	45	10	10	2		5	31	142	3067	4577	969	0	9.3	010	36	11 Jan	16	010	64	11 Jan	1642			
Suffolk		Honington . . . . .	60	13	13	0		0	29	146	3066	4470	1078	0	9.2	270	33	3 Jan	12	260	60	3 Jan	0918			
		Wattisham . . . . .	105	17	10	3		9	47	276	4049	4002	420	4	10.9	010	39	11 Jan	21	010	66	12 Jan	0124			
Bedfordshire		Bedford . . . . .	94	13	9	1		3	37	199	2963	4761	776	58	9.6	010	37	11 Jan	17	360	57	11 Jan	1654			
		Cardington . . . . .	70	41	41	7		18	79	538	3880	3547	772	5	11.2	360	46	11 Jan	17	010	67	11 Jan	1924			
Hertfordshire		Garston . . . . .	94	15	10	0		0	3	7	753	5824	2159	17	5.8	360	29	12 Jan	00	360	62	11 Jan	1954			
		Essex						0	29	161	3023	4721	795	60	9.4	010	30	11 Jan	22	010	51	12 Jan	0154			
																				060	30	30 Dec	23			
		Stansted . . . . .	108	10	10	0		0	13	61	2502	5272	925	0	8.5	020	31	11 Jan	18	310	52	20 Mar	2342			



Table 6 (continued)

District Region/County and Place		height of vane in metres			distribution of hourly mean values of wind speed										highest values																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		above MSL	above ground	effective height	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
					number of days	number of hours	number of days	number of hours	number of hours	date	hour beginning	veer from N	speed kt			date	time																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Table 7 Number of hours with gusts exceeding 33 knots and 47 knots in each month of 1978

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	285	132	127	0	3	25	31	4	110	171	286	225	1399	52	18	12	0	0	0	0	0	14	15	46	14	171
Orkney	Kirkwall Airport	186	64	88	16	0	49	10	3	111	134	169	176	1006	52	6	5	0	0	0	0	0	20	16	29	24	152
Western Isles	Benebula	219	28	138	24	2	54	62	22	143	122	333	226	1373	18	4	13	1	0	0	0	1	14	0	61	11	123
	Stornoway	153	34	81	14	3	6	2	4	43	68	176	74	658	30	0	6	0	0	0	0	0	10	1	35	0	82
Highland	Dalcross	105	9	58	3	0	13	1	0	50	68	115	51	473	25	0	0	0	0	0	0	0	11	0	11	4	51
	Dounreay	73	-	21	5	0	13	0	0	43	77	89	144	-	6	-	1	0	0	0	0	0	4	4	8	26	-
	Duirinish	146	-	75	9	0	11	15	0	87	73	213	82	-	8	-	5	0	0	0	0	0	16	0	46	9	-
	Fort Augustus	9	0	4	0	0	3	0	0	14	2	11	17	60	0	0	0	0	0	0	0	0	4	0	4	1	9
	Wick	114	44	40	3	0	28	6	1	88	38	94	166	622	35	0	1	0	0	0	0	0	8	1	9	21	75
1 SCOTLAND E Grampian																											
	Aberdeen																										
	Dyce Airport	34	5	45	6	3	11	2	0	32	5	52	66	261	0	0	0	0	0	0	0	0	1	0	6	0	7
	Fraserburgh	86	19	43	23	4	78	61	3	93	99	126	195	830	8	0	0	0	0	0	0	0	9	13	15	10	55
	Kinloss	82	7	39	7	0	16	0	0	52	57	71	69	400	24	0	2	0	0	0	0	0	8	0	7	11	52
	Lossiemouth	97	5	44	10	0	22	5	0	53	66	78	109	489	24	0	1	0	0	0	0	0	8	0	9	9	51
Tayside	Bell Rock	181	48	140	42	7	31	21	1	89	72	231	250	1113	22	0	9	2	0	0	0	0	15	3	39	35	125
	Mylnfield	23	0	11	0	0	0	0	0	21	9	32	18	114	0	0	0	0	0	0	0	0	0	0	3	0	3
	Tummel Bridge	6	0	7	0	0	11	0	0	25	14	23	33	119	0	0	0	0	0	1	0	0	3	2	2	0	8
Fife	Leuchars	38	0	55	11	0	7	1	0	53	45	86	177	473	0	0	4	0	0	0	0	0	6	0	7	0	17
Lothian	Edinburgh																										
	Turnhouse Airport	43	2	78	1	0	23	15	0	84	54	116	78	494	4	0	3	0	0	0	0	0	10	0	17	0	34
	Royal Observatory, Blackford Hill	123	23	-	8	2	32	40	7	171	-	-	-	-	17	5	-	0	0	0	7	0	29	-	-	-	-
	Forth Road Bridge	54	2	-	-	-	32	17	-	160	72	151	124	-	1	0	-	-	-	1	0	-	22	15	22	16	-
6 SCOTLAND W																											
Strathclyde	Abbotsinch Airport	33	0	22	0	0	2	0	0	31	24	52	40	204	1	0	0	0	0	0	0	0	1	0	9	0	11
	Ardrossan	158	18	158	28	46	11	5	4	106	66	-	110	-	30	0	8	0	0	0	0	0	12	0	-	8	-
	Dunstaffnage	41	5	50	-	0	0	2	0	33	27	77	93	-	0	0	2	-	0	0	0	0	4	0	7	6	-
	Greenock Port	77	6	86	1	4	8	14	0	68	-	68	121	-	8	0	3	0	0	0	0	0	6	-	6	36	-
	Inchterm	51	0	35	-	-	7	0	0	40	28	65	67	-	13	0	1	-	-	0	0	0	2	0	7	0	-
	Lowther Hill	-	-	-	47	-	48	21	-	183	191	201	-	-	-	-	-	-	0	0	0	-	69	33	68	-	-
	Machrihanish	194	97	182	50	49	17	48	19	143	93	216	288	1396	40	4	11	1	2	0	0	0	25	8	41	105	237
	Paisley	53	2	54	7	4	13	2	0	50	28	74	37	324	9	0	2	0	0	0	0	0	3	3	8	0	25
	Prestwick Airport	86	8	104	11	12	12	17	2	85	17	122	119	695	12	0	1	0	0	0	0	0	4	0	15	19	51
	Tiree	264	67	172	30	4	9	21	1	117	92	274	246	1297	62	4	10	8	0	0	0	0	14	1	27	26	152
Dumfries and Galloway	Eskdalemuir	115	11	131	9	8	24	26	6	112	65	147	48	702	19	1	12	0	0	0	0	0	22	1	24	1	80
	West Freugh	57	-	25	-	0	-	11	0	37	10	48	127	-	6	-	1	-	0	-	0	0	5	0	3	2	-
2 ENGLAND E & NE																											
Northumberland	Blyth	89	4	-	5	0	15	6	8	115	59	97	154	-	19	0	-	0	0	0	0	0	11	8	18	11	-
	Boulmer	91	10	66	9	0	1	10	2	52	32	65	134	472	12	0	1	0	0	0	0	0	4	0	8	0	25
Tyne and Wear	South Shields	39	0	9	1	0	0	0	4	9	2	5	34	103	11	0	0	0	0	0	0	0	0	0	0	0	11
Cleveland	South Gare	155	53	177	22	1	24	40	12	134	57	153	184	1012	37	0	12	0	0	0	0	1	11	3	23	34	121
Durham	Durham	23	0	28	0	0	12	4	3	66	16	60	-	-	4	0	0	0	0	0	0	0	10	0	18	-	-
North Yorkshire	Leeming	72	0	63	1	0	5	0	0	43	15	39	6	244	9	0	2	0	0	0	0	0	2	0	1	0	14
	Linton-on-Ouse	47	0	-	2	0	5	0	0	47	19	31	0	-	11	0	-	0	0	0	0	0	1	1	2	0	-
	Silpho Moor	92	0	61	2	7	6	9	1	33	23	46	18	298	19	0	0	0	0	0	0	0	3	1	3	0	26
Humberside	Spurn Point	104	27	-	7	12	-	1	-	-	-	-	110	-	27	0	-	0	0	-	-	-	-	-	-	0	-
Lincolnshire	Binbrook	57	0	72	1	0	0	0	1	37	3	43	26	240	17	0	0	0	0	0	0	0	0	0	5	0	22
	Coningsby	40	0	61	1	1	6	0	1	39	3	27	10	189	16	0	0	0	0	0	0	0	0	0	0	0	16
	Cranwell	65	1	112	2	0	0	0	2	57	15	68	17	339	22	0	4	0	0	0	0	0	0	0	4	0	30
	Scampton	-	0	59	1	0	0	0	1	39	2	28	4	-	-	0	0	0	0	0	0	0	0	0	1	0	-
	Waddington	50	1	72	1	0	1	1	1	41	3	25	8	204	13	0	0	0	0	0	0	0	0	0	1	0	14
3 EAST ANGLIA																											
Norfolk	Coltishall	61	6	69	0	5	1	0	0	53	6	34	29	264	19	0	1	0	0	0	0	0	0	0	0	0	20
	Gorleston	-	46	69	3	3	6	0	1	24	13	50	65	-	-	0	0	0	0	0	0	0	0	0	1	7	-
	Marham	57	5	40	1	2	0	0	0	49	13	45	22	234	15	0	1	0	0	0	0	0	1	0	0	1	18
Cambridgeshire	Wittering	67	0	65	2	1	1	0	0	32	3																



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	37	25	23	2	0	3	0	0	7	0	7	13	117	9	0	0	0	0	0	0	0	0	0	0	0	9
	Kew	52	43	85	8	0	2	0	0	21	1	17	24	253	7	0	3	0	0	0	0	0	0	0	0	2	12
Wiltshire	London																										
	Weather Centre	80	66	118	16	1	11	0	2	31	4	25	38	392	19	2	4	0	0	0	0	0	0	0	0	3	28
	Post Office Tower	161	93	206	32	3	9	2	3	53	5	55	70	692	40	8	15	1	0	0	0	0	0	0	1	3	68
	Boscombe Down	50	53	68	4	0	0	0	0	16	2	22	56	271	2	3	0	0	0	0	0	0	0	0	0	0	5
	Larkhill	46	43	63	7	0	2	0	0	14	1	8	25	209	2	1	0	0	0	0	0	0	0	0	0	1	4
Kent	Lyneham	52	44	77	15	0	7	2	0	14	2	13	45	271	4	0	1	0	0	0	0	0	0	0	0	3	8
	Porton	54	53	77	11	0	0	0	0	11	0	18	51	275	5	1	0	0	0	0	0	0	0	0	1	0	7
	Dover	171	109	187	96	11	69	14	-	81	22	131	158	-	56	1	16	1	0	0	0	0	3	15	44	136	
	Dungeness	151	98	155	76	0	28	24	2	29	5	61	124	753	42	0	7	1	0	0	0	0	0	0	3	22	75
	East Malling	44	13	55	10	0	4	0	0	7	0	13	16	162	3	0	1	0	0	0	0	0	0	0	0	0	4
Hampshire	Isle of Grain	55	39	79	11	0	5	0	-	16	0	13	55	-	7	0	0	0	0	0	0	0	0	0	0	7	14
	Manston	96	41	106	20	0	11	0	1	25	6	47	76	429	29	0	8	0	0	0	0	0	0	0	0	4	41
	Calshot	87	67	65	-	0	0	2	1	10	1	19	57	-	19	7	1	-	0	0	0	0	0	0	0	3	-
	Farnborough	37	12	18	0	0	0	0	0	5	1	13	14	100	0	0	0	0	0	0	0	0	0	0	0	0	0
West Sussex	Middle Wallop	70	54	72	11	0	0	0	0	17	0	6	18	248	9	4	1	0	0	0	0	0	0	0	0	0	14
	Gatwick Airport	51	41	74	8	1	1	0	0	9	0	19	35	239	13	0	0	0	0	0	0	0	0	0	0	0	13
7A ENGLAND NW & I O M																											
Cumbria	Carlisle	44	2	68	5	0	7	2	1	56	26	102	33	346	5	0	2	0	0	0	0	0	1	0	17	0	25
	Great Dun Fell	338	-	438	82	69	152	234	129	396	341	456	-	-	66	-	156	2	1	23	26	11	105	63	194	-	
Lancashire	Moor House	-	-	154	4	-	-	54	20	-	-	-	-	-	-	-	11	0	-	-	1	0	-	-	-	-	
	Sellafield	28	0	8	0	0	0	0	0	14	0	28	-	-	0	0	0	0	0	0	0	0	0	0	0	0	
	Fleetwood	101	5	84	7	5	31	0	4	112	37	120	80	586	14	0	2	0	0	0	0	0	24	0	11	0	51
	Squires Gate Airport	81	7	75	1	0	6	0	0	96	17	70	14	367	7	0	0	0	0	0	0	0	1	0	0	0	8
	Aigburth	51	13	97	1	0	0	0	1	-	11	43	15	-	9	0	5	0	0	0	0	0	-	0	3	0	-
Greater Manchester	Manchester																										
	Ringway Airport	47	12	43	9	0	3	0	0	44	0	24	21	203	7	0	0	0	0	0	0	0	1	0	0	0	8
Isle of Man	Weather Centre	41	12	63	11	0	2	0	1	44	7	17	11	209	8	0	3	0	0	0	0	0	3	0	2	0	16
	Point of Ayre	174	96	164	25	19	6	22	5	141	55	154	196	1057	25	1	7	0	0	0	0	0	14	3	22	16	88
	Ronaldsway	132	76	93	5	10	17	35	0	59	17	91	179	714	25	1	4	0	0	0	2	0	0	0	9	6	47
7B WALES N																											
Gwynedd	Valley	213	88	240	43	6	6	36	6	120	39	213	130	1140	63	17	27	0	0	0	0	0	3	0	33	5	148
7C WALES S																											
Dyfed	Aberporth	161	78	173	60	1	2	44	0	80	30	123	180	932	50	15	8	0	0	0	0	0	0	0	9	26	108
	Brawdy	116	80	71	24	0	0	17	0	40	16	68	146	578	33	11	1	0	0	0	0	0	0	0	5	7	57
West Glamorgan	Milford Haven	132	109	120	32	1	4	8	0	47	9	113	183	758	32	26	2	0	0	0	0	0	0	0	8	18	86
	Port Talbot	47	57	28	2	0	0	1	-	20	0	6	82	-	1	16	0	0	0	0	0	0	0	0	0	3	20
	Cilfynydd	78	53	143	25	0	2	0	-	43	0	49	73	-	9	10	5	0	0	0	0	0	1	0	1	12	38
South Glamorgan	Rhoose Airport	45	53	57	2	0	0	4	0	37	0	12	62	272	2	5	2	0	0	0	0	0	0	0	0	8	17
8B ENGLAND SW																											
Avon	Avonmouth	83	37	88	12	0	6	-	0	41	1	17	47	-	9	2	4	0	0	0	0	0	0	0	2	4	21
	Yeovilton	92	53	-	16	0	0	0	0	38	5	35	56	-	6	10	-	0	0	0	0	0	0	1	3	2	-
Dorset	Hurn Airport	77	31	57	11	0	0	0	1	18	1	24	45	265	6	7	2	0	0	0	0	0	0	0	0	3	18
	Portland Bill CG	218	124	186	41	1	4	15	0	109	18	90	236	1042	69	51	36	0	0	0	0	0	10	0	4	48	218
Devon	Burrington	98	69	139	36	0	6	24	1	58	9	22	121	583	20	26	3	0	0	0	0	0	0	0	0	14	63
	Mount Batten	119	83	105	16	0	0	6	0	35	5	46	180	595	14	30	6	0	0	0	0	0	0	0	5	32	87
Cornwall	Culdrose	150	83	108	16	2	1	8	0	28	2	25	138	561	43	27	7	3	0	0	0	0	0	0	0	24	104
	Lizard	258	134	210	42	15	3	38	0	78	16	90	297	1181	89	40	53	0	0	0	0	0	9	1	4	69	265
	St Mawgan	106	92	104	16	0	0	4	0	31	7	26	120	506	25	29	4	0	0	0	0	0	0	0	1	6	65
	Scilly (St Mary's)	278	197	259	112	13	25	63	9	62	30	74	310	1432	94	60	79	0	0	0	1	0	0	0	5	79	318
CHANNEL ISLANDS																											
	Guernsey Airport	207	103	149	85	0	2	1	1	64	16	28	238	894	44	18	14	0	0	0	0	0	0	0	0	50	126
	Jersey Airport	150	49	102	25	0	1	1	2	37	9	4	113	493	31	10	8	0	0	0	0	0	0	0	0	6	55
NORTHERN IRELAND																											
Londonderry	Coleraine University	56	-	49	11	1	0	0	0	23	7	-	-	-	17	-	0	0	0	0	0	0	0	0	-	-	-
	Aldergrove	43	6	21	4	0	1	10	0	26	0	27	76	214	10	1	0	0	0	0	0	0	0	0	0	0	11
Antrim	Ballypatrick Forest	97	70	107	26	34	0	10	1	84	50	85	179														



Table 8 Dates on which gusts exceeded 47 knots during 1978

District and Place	Dates	District and Place	Dates
<b>0 SCOTLAND N</b>		<b>5 ENGLAND SE &amp; CENTRAL S</b>	
Lerwick	Jan 1 4-7 11 12 22 28 29; Feb 4 23; Mar 19 28; Sep 16 17; Oct 19 20 24; Nov 3 5 8-10 12-14 16 21 22; Dec 7 8 12	Heathrow Airport	Jan 3 11 12
Kirkwall Airport	Jan 1 7 11 28 29; Feb 4 23; Mar 19 28; Sep 10 14-17 22; Oct 5 24; Nov 3 12-14 16 21 22; Dec 7 8 24	Kew	Jan 11 12; Mar 20 25; Dec 12 13
Benbecula	Jan 18 21 28 29; Feb 3; Mar 19 23 24 27 28; Apr 9; Aug 18; Sep 15 16 25; Nov 1 3 7 8 12-16 20 22; Dec 3 4 6 7 11	London Weather Centre	Jan 3 11 12 28; Feb 23 26; Mar 20 21 25; Dec 12 13 30
Stornoway	Jan 1 8 28 29; Mar 19; Sep 15 16; Oct 24; Nov 1 8 9 12 14 20 22	Post Office Tower	Jan 3 11 12 23 27 28; Feb 1 19 23 26; Mar 15 20 21 25 28; Apr 14; Nov 15; Dec 11-13
Dalcross	Jan 1 6 7 28 29; Sep 15 16 21; Nov 5 10 14 22; Dec 2 7 8	Boscombe Down	Jan 3 11; Feb 1
Douneary	Jan 1 28 29; Mar 19; Sep 15 16; Oct 24; Nov 14 25; Dec 3 6-8 10 (Defective Feb)	Larkhill	Jan 3 11; Feb 1; Dec 30
Dulrinah	Jan 8 28 29; Mar 19 27; Sep 15 16; Nov 1 3 8-10 12-14 17 20 22; Dec 7 27 28 (Defective Feb)	Lynneham	Jan 3 11; Mar 22; Dec 12 13 30
Fort Augustus	Sep 16; Nov 14; Dec 7	Porton	Jan 3 11 12 27; Feb 1; Nov 15
Wick	Jan 1 11 28 29; Mar 28; Sep 15 16; Oct 24; Nov 14 22; Dec 7 8	Dover	Jan 3 10-12 23 27 28; Feb 19; Mar 16 19 21 25; Apr 5; Sep 11 29; Nov 14 15 18 19; Dec 8 12 13 30 31
<b>1 SCOTLAND E</b>		Dungeness	Jan 3 10-12 19 23 27 28; Mar 16 21; Apr 14; Nov 15; Dec 12-14 31
Aberdeen, Dyce Airport	Sep 15; Nov 14	East Malling	Jan 12; Mar 20
Fraserburgh	Jan 3 11; Sep 15-17; Oct 17 20 24; Nov 14 15 22 26; Dec 7 8	Isle of Grain	Jan 3 28; Dec 30 31
Kinloss	Jan 1 11 28 29; Mar 28 29; Sep 15 16; Nov 14 22; Dec 2 7	Manston	Jan 3 11 12 23 27 28; Mar 14 16 21 28; Dec 12 13 31
Lossiemouth	Jan 11 28 29; Mar 28; Sep 16; Nov 12 14 16; Dec 2 7	Calshot	Jan 3 10-12 27 28; Feb 1 2; Mar 14; Dec 12 13 (Defective Apr)
Bell Rock	Jan 2 11 29; Mar 16 27 28; Apr 10; Sep 15 16; Oct 5 24; Nov 3 8 12-15 17 20 22; Dec 2 7 8 27-31	Middle Wallop	Jan 3 11 12 27; Feb 1 2 19; Mar 25
Mylnfield	Nov 14 15	Gatwick Airport	Jan 11 12 27 28
Tunnel Bridge	Jun 11; Sep 16; Oct 24; Nov 14	<b>7A ENGLAND NW &amp; I O M</b>	
Lauchers	Mar 27-29; Sep 15 16; Nov 14 15	Carlisle	Jan 2 3 11; Mar 28; Sep 16; Nov 14 15 22
Edinburgh		Great Dun Fell	Jan 1-3 5 6 8 9 11 21-23 29 31; Feb 18-20 22-24 28; Mar 1 2 7 8 12-16 19 20 22 24-30; Apr 4 30; May 2; Jun 8 9 16; Jul 4 5 22 23 27 28; Aug 1 14 21; Sep 8-11 13-17 25 26 28 29; Oct 5 6 8 9 15 16 23 24; Nov 1-5 7 8 10 12-22; Dec 2 6 7 9 11 13 15 24 27-29 (Defective Feb, Dec)
Turnhouse Airport	Jan 1 3 11 29; Mar 19 27; Sep 15 16; Nov 14-16	Moor House	Jan 1 3 6; Mar 8 15 19 23 28; Jul 22; Sep 10 11 15 16 29; Oct 16 23 24; Nov 2 8 12 14 15 17 20-22; Dec 7 (Defective Jan, Feb, May, Jun, Sep-Dec)
Royal Observatory Blackford Hill	Jan 1 2 4 5 11 29; Feb 24; Mar 16 19 22 24 28-29; Jul 22 27; Sep 10 14-16 24 (Defective Mar, Missing Oct-Dec)	Fleetwood	Jan 2 3 11 24 29; Mar 15; Sep 11 15 16 29 30; Nov 14 15 19
Forth Road Bridge	Jan 1; Jun 8; Sep 10 15 16; Oct 5 24; Nov 14 15 17 21 22; Dec 27-29 31 (Defective Mar-May, Aug)	Squires Gate Airport	Jan 2 3; Sep 15
<b>6 SCOTLAND W</b>		Aigburth	Jan 3 29; Mar 14 15 25; Sep 30; Nov 14 15 (Defective Sep)
Abbotsinch Airport	Jan 29; Sep 16; Nov 14 15	Manchester	
Ardrossan	Jan 1-3 10 11 14 28 29; Mar 19 20 23 25; Sep 15-17 29; Dec 7 28 29 (Defective Nov)	Ringway Airport	Jan 3 11; Sep 11
Dunstaffnage	Mar 19 27; Sep 15; Nov 14 15; Dec 7 (Defective Apr)	Weather Centre	Jan 3 11; Mar 14 15 23; Sep 11 15; Nov 15
Greenock Port	Jan 2 11 28 29; Mar 19 28; Sep 15 16; Oct 5; Nov 14 15 (Defective Oct)	Point of Ayre	Jan 2 3 11 29; Feb 20; Mar 15 21 28; Sep 11 29 30; Oct 5 17; Nov 12 14 15 17; Dec 2 6 7
Inchterf	Jan 11 28 29; Mar 28; Sep 16; Nov 14 15 (Defective Apr, May)	Ronaldsway	Jan 2 3 11 28 29; Feb 19; Mar 14 15 19; Jul 6; Nov 14 15 17; Dec 7
Lowther Hill	Jan 1 3 7 9 11 22 24 25; Feb 18-20 22-24; Mar 7 8 12-15 19 20 22 24-29; May 11; Sep 10 11 14-17 29 30; Oct 6 11 16 23 24; Nov 7 8 12-17 20-22; Dec 1 6-12 27 (Defective Jan-Mar, May, Aug, Dec)	<b>7B WALES N</b>	
Machrihanish	Jan 2 3 9 10 22 26 28 29; Feb 18 22; Mar 14 15 19 21 23 25 28; Apr 8; May 1; Sep 15 16 29 30; Oct 11 16 17; Nov 7 8 12 14-17 20; Dec 1-3 6-8 10 11 24 27-29	Valley	Jan 2 3 11 18 19 21 23 27-29 31; Feb 1 2 19 22; Mar 14 15 19-23 25 28; Sep 29; Nov 7 12 14 15 17 20; Dec 2 7 11
Paisley	Jan 1-3 11 29; Mar 28 29; Sep 15 16; Oct 5; Nov 14 15 17	<b>8A WALES S</b>	
Prestwick Airport	Jan 2 3 22 24 29; Mar 19; Sep 15 16; Nov 12 14-16; Dec 6 7 28	Aberporth	Jan 3 11 12 21 23 28 29; Feb 1 2 18; Mar 14 20 25; Nov 15; Dec 1 2 6 7 11 12 14
Tiree	Jan 2 3 9 11 18 19 22 28 29; Feb 3; Mar 19 23 24 26 27; Apr 9 10; Sep 15 16 29 30; Oct 16; Nov 1 3 7 12-15 17 20 22; Dec 2 3 6 7 11	Brawdy	Jan 11 28 29; Feb 1 18; Mar 22; Nov 15; Dec 7 12 23
Eskaidealmuir	Jan 3 11 24 29; Feb 24; Mar 15 19 23 25 28; Sep 10 15-17; Oct 24; Nov 8 12 14 15 17 22; Dec 7	Milford Haven	Jan 3 9 11 19 28 29; Feb 1 18-20; Mar 14 19; Nov 14 15; Dec 1 7 12 13 23
West Freugh	Jan 2 3; Mar 19; Sep 11 29; Nov 15; Dec 6 7 (Defective Feb, Apr, Jun)	Port Talbot	Jan 29; Feb 1 2 18-20; Dec 12 30
<b>2 ENGLAND E &amp; NE</b>		Cilfynydd	Jan 3 11 12 29; Feb 1 2; Mar 14 20 25; Sep 11; Nov 15; Dec 12-14
Blyth	Jan 2 5 11 12; Mar 25-29; Sep 15 16; Oct 5; Nov 14 15 22; Dec 28-31 (Defective Mar)	Rhoose Airport	Jan 3; Feb 1; Mar 22; Dec 12-14 30
Boulmer	Jan 11 12; Mar 29; Sep 15; Nov 14 22	<b>8B ENGLAND SW</b>	
South Shields	Jan 11 12	Avonmouth	Jan 3 11 12; Feb 1; Mar 14 20 22 25; Nov 15; Dec 12 13
South Gare	Jan 2 3 11 12 19 29 30; Mar 15 16 23 27 29; Aug 1; Sep 15 16; Oct 17; Nov 12 14 15 17; Dec 7 27 31	Ysenvilton	Jan 3 11 12 29; Feb 1 2; Mar 20 23 28 29; Oct 17; Nov 15; Dec 13 30 (Defective Mar)
Durham	Jan 3 11; Sep 15 16; Nov 14 15 17 (Defective Dec)	Hurn Airport	Jan 3 11 12 27; Feb 1 2; Mar 25; Dec 12
Laeming	Jan 3 5 11; Mar 19 27; Sep 11 15; Nov 15	Portland Bill C.G.	Jan 3 9-12 19 21 23 27-29; Feb 1 2 18-20; Mar 14 16 20-23 25 26 28; Sep 29 30; Nov 15; Dec 9 12-14 23 28 30 31
Linton-on-Ouse	Jan 2 3 11; Mar 28; Sep 11; Oct 5; Nov 15 (Defective Mar)	Burrington	Jan 3 11 12 28 29; Feb 1 2 18 19; Mar 20 22; Dec 12-14 30
Silpho Moor	Jan 3 11 12; Sep 15; Oct 17; Nov 15	Mount Batten	Jan 10 11 28 29; Feb 1 2 18 19; Mar 13 16 22 28; Nov 15 19; Dec 9 12 13 28 30 31
Spurn Point	Jan 3 11 12; Sep 11 (Defective Mar, Jun, Sep-Nov)	Culdrose	Jan 11 12 28 29; Feb 1 2 18 19; Mar 20 22 23 25; Apr 13; Dec 8 12 13 30
Binbrook	Jan 3 11 12; Nov 15	Lizard	Jan 3 10-12 18 19 21-23 25 27-29; Feb 1 2 15 18 19; Mar 13-16 20-23 25 26 28; Sep 29 30; Oct 17; Nov 15; Dec 1 2 7 8 11-14 23 27 28 30
Coningsby	Jan 3 11 12	St. Mawgan	Jan 11 28 29; Feb 1 2 18 19; Mar 14 22 23; Nov 15; Dec 12 13
Cranwell	Jan 3 11 12; Mar 15 22; Nov 12 15	Scilly (St. Marys)	Jan 3 10-12 19 21 22 26-29; Feb 1 2 15 18 19 22 23; Mar 13-16 20-23 25 26; Jul 26; Nov 15; Dec 1 3 7 8 11-14 23 27 28 30 31
Scampton	Jan 3 11 12; Nov 15 (Defective Jan)	<b>CHANNEL ISLANDS</b>	
Waddington	Jan 3 11; Nov 15	Guernsey Airport	Jan 3 11 12 27-29; Feb 1 2 25 28; Mar 14-16 20 22 23; Dec 11-15 23 25 28 31
<b>3 EAST ANGLIA</b>		Jersey Airport	Jan 10-12 29; Feb 1 2; Mar 16 20 21; Dec 12 13
Cotishall	Jan 3 11 12; Mar 15	<b>NORTHERN IRELAND</b>	
Gorleston	Jan 3 11 12 19 23 28; Nov 28; Dec 30 31 (Defective Jan)	Coleraine University	Jan 3 28 29 (Defective Feb, Missing Nov & Dec)
Marham	Jan 3 11 12; Mar 25; Sep 11; Dec 13	Aldegrave	Jan 3 28 29; Feb 1
Wittering	Jan 3 11 12; Mar 25; Nov 15	Ballypatrick Forest	Jan 3 11 28 29; Mar 19 23 27; Sep 16 29 30; Oct 16; Nov 14 15 17; Dec 6 7 24 27 28
Wryton	Jan 3 11 12	Belfast Harbour	Jan 2 3 11 28 29; Feb 1 2; Mar 19; Sep 29 (Defective Jan, Dec)
Honington	Jan 3 11 12; Mar 25	Kilkeel	Jul 4 5; Sep 11 29; Oct 5; Nov 12 15; Dec 2 7 23 28 29 (Defective Jan-Apr, Jul, Aug)
Wattisham	Jan 3 11 12 28; Mar 21	Killough	Jan 2 3 11 18 19 27-29 31; Feb 1 18-20 22 23; Mar 1 6 13 14 19 22 23 25-29; Apr 30; Sep 29; Nov 7 15; Dec 2 6 7 23 24 28 29 31 (Defective May, June, Aug-Oct)
Bedford	Jan 3 11 12; Mar 19 20; Nov 15	Orlock Head	Jan 2 3 11 12 24 27-29; Feb 1 2 18 20; Mar 14-16 19 23 25-28; Apr 9 10; May 12; Jul 4-6; Sep 11 29 30; Oct 17; Nov 7 12 14 15 17; Dec 1-3 6-8 11 23 24 27-31
Cardington	Jan 3 11 12; Mar 20 21 25 29; Sep 11; Dec 12 13	Carrigans	Jan 3 28 29; Mar 14 27; Nov 14; Dec 6 7 27 (Defective Dec)
Garston	Jan 11	Castle Archdale Forest	Jan 3 28 29; Sep 16; Nov 14 (Defective May-Jul, Dec)
Shoeburyness	Jan 11 12; Mar 21; Dec 30		
Stansted	Jan 3 11 12; Mar 20 21		
<b>4 MIDLAND COUNTIES</b>			
Wilsden	Jan 2 3 11; Mar 15; Sep 15; Nov 14 15		
Finningley	Jan 3 11		
High Bradfield	Jan 1-3 5 9-12 24-26 31; Feb 24; Mar 8 14 15 19 21 29; Sep 10-13 15 16 22 29 30; Oct 5 16 25; Nov 12 14-20 22; Dec 8 12 13 (Defective Jun-Oct)		
Sheffield University	Jan 3 11; Mar 15 21 23 25 26 29; Sep 11 16; Nov 15 (Defective Sep)		
Watnall	Jan 3 11; Nov 15		
Cellarhead	Jan 3		
Keele	Jan 3 11 12 29; Feb 19; Mar 20		
Shawbury	Jan 3 11 29; Mar 20; Nov 15		
Birmingham			
Edgbaston	Jan 3 11; Mar 20		
Elmdon Airport	Jan 3; Mar 20; Nov 15		
Benson	Jan 3 11; Mar 20; Nov 15; Dec 13		
Brize Norton	Jan 3 11 12; Mar 20 25		
Oxford	Jan 3 11 12 23 27; Feb 2; Mar 14 20-22 25; Nov 14 15; Dec 12 13 30		



**Table 9 Occasions on which the maximum hourly mean wind was 41 knots or more (strong gale) during 1978**

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	
<b>0 SCOTLAND N</b>								
Lerwick	1 Jan	12	260	41	1218	260	65	5 9-15
	28 Jan	23	030	45	2300	030	65	10-23
	29 Jan	00	030	44	0012	030	60	0 1 4-9
	19 Mar	13	160	44	1224	160	60	9-15
	28 Mar	21	230	44	2136	230	65	21 22
	16 Sep	18	210	59	1830	210	84	16-23
	14 Nov	13	230	50	1112	240	75	7-16
	22 Nov	15	240	45	1212	230	66	10-15
Kirkwall Airport	28 Jan	15	040	44	1712	030	62	7-23
	29 Jan	03	030	45	0436	010	63	0-11
	16 Sep	18	250	52	1818	250	87	16-23
	14 Nov	14	250	56	1448	250	80	11-17
	22 Nov	13	260	46	1348	260	64	10-16
Benbecula	29 Jan	02	350	42	0230	350	63	0-4
	15 Sep	05	290	42	0542	300	62	3-6
	16 Sep	12	200	45	1254	220	63	10-17
	14 Nov	10	250	45	1006	240	73	1-13
Stornoway	19 Mar	08	190	42	0824	190	60	6-10
	16 Sep	12	200	45	1336	240	68	10-17
	14 Nov	09	230	48	0912	240	72	3 4 6-14
Dalcross	16 Sep	13	210	41	—	—	63	12-18
Dounreay	14 Nov	14	260	41	1436	260	63	11-15
	7 Dec	18	130	45	2042	130	60	0-3 7-10 16-23 (Defective Feb)
Duirinish	16 Sep	14	170	44	1500	190	68	13-16 19
	14 Nov	11	160	50	1118	170	69	3-13 (Defective Feb)
Wick	28 Jan	14	030	42	2112	020	58	7-23
	16 Sep	16	250	44	1700	250	66	15-21
	14 Nov	13	240	44	1224	240	66	12-16
<b>1 SCOTLAND E</b>								
Fraserburgh	15 Sep	07	290	41	0706	270	64	6-8
	24 Oct	15	280	42	1748	280	56	14-23
	14 Nov	13	240	42	1324	240	69	13-17
Kinloss	28 Jan	22	010	42	2148	010	57	18-23
	29 Jan	04	010	43	0642	360	62	0-10
	14 Nov	11	240	46	1124	230	68	10-15
Lossiemouth	29 Jan	04	350	44	0824	360	64	0-12
	14 Nov	11	230	42	1242	230	67	10-14
Bell Rock	11 Jan	15	010	44	1542	010	63	13-23
	29 Jan	16	350	44	1636	350	57	13-23
	16 Mar	13	010	45	1300	010	64	10-17
	15 Sep	04	210	42	0348	220	58	2-9
	16 Sep	16	210	44	1748	230	56	13-20
	14 Nov	09	200	48	0924	200	64	4-17
	17 Nov	21	210	45	2118	210	58	19-23
	22 Nov	10	220	42	1024	220	54	9-18
	2 Dec	14	150	41	1224	150	53	0 3 4 6 7 9-15
	7 Dec	09	120	44	2242	110	56	1-23
	8 Dec	00	110	43	0030	110	57	0-10 15-18
Forth Road Bridge	15 Sep	08	290	49	0324	270	65	0-12
	16 Sep	18	280	48	1706	290	64	14-19
	5 Oct	11	210	42	1000	210	52	5-12 15-17
	27 Dec	22	050	41	2230	050	51	14 18-23 (Defective Mar, May, Aug)
<b>6 SCOTLAND W</b>								
Ardrossan	24 Jan	12	330	43	1106	340	55	10-16 18 20 21
	29 Jan	00	360	42	0312	360	59	0-6 (Defective Nov)
Lowther Hill	1 Jan	05	290	44	0548	290	63	0-8 11-16
	22 Jan	00	170	42	0030	170	60	0-3 11 12
	24 Jan	18	320	42	1812	320	52	10-13 15-23
	18 Feb	23	110	42	2336	110	51	16 17 19-23
	19 Feb	19	120	45	2048	120	56	0-8 10 12-22
	20 Feb	11	130	47	1206	130	59	0 1 9-16
	23 Feb	00	180	50	0012	180	63	0-2
	24 Feb	10	200	42	1024	200	58	9-12
	15 Mar	04	290	46	0300	290	59	1-5
	19 Mar	15	280	43	1436	280	69	9 10 12 14-21 23
	22 Mar	06	180	44	0630	170	57	6-8
	27 Mar	09	270	42	0712	270	67	6-9 14
	28 Mar	12	170	56	1212	170	74	6-16 19-23
	10 Sep	10	260	44	1030	260	64	8-11
	11 Sep	14	310	44	1430	310	62	1-5 13-18
	15 Sep	07	270	53	0530	260	74	5-10
	29 Sep	14	290	48	1500	290	61	13-22
	5 Oct	03	260	44	0824	260	65	1-13 16 17
	7 Nov	23	180	45	2342	180	72	18-23
	8 Nov	00	180	46	0042	180	70	0 1 4
	14 Nov	11	220	41	1324	250	72	4-8 10 11 13
	15 Nov	11	210	53	0736	200	77	5-13
	6 Dec	23	120	42	2306	120	56	3 6 14-23
	7 Dec	18	120	61	1824	120	73	0-23
	8 Dec	13	100	41	0012	130	54	0-2 4 5 10-16
	11 Dec	15	130	51	1418	130	69	0-2 4 9-23
	27 Dec	14	100	47	1430	100	66	7-22 (Defective Jan—Mar, May, Aug, Dec)



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	
<b>6 SCOTLAND W cont.</b>								
Machrihanish	3 Jan	06	290	44	0606	290	73	3-8 11
	29 Jan	07	340	44	0736	340	66	0-11 13
	6 Dec	23	130	44	2318	130	57	8 21-23
	7 Dec	15	120	45	1512	110	65	0-23
	11 Dec	11	110	41	1142	120	57	9-18
	27 Dec	21	090	41	2024	090	59	12-23
Prestwick Airport	7 Dec	11	120	44	1018	120	60	1-12 18
Tiree	28 Jan	19	010	47	2006	010	66	0-23
	29 Jan	04	360	49	0342	360	66	0-13
	14 Nov	09	240	43	0948	240	64	2-12
	7 Dec	19	120	41	1600	120	56	1 3-23
Eskdalemuir	29 Jan	07	340	43	0824	350	62	5-9
<b>2 ENGLAND E &amp; NE</b>								
Blyth	11 Jan	18	020	44	1742	010	62	10-13 15-23 (Defective Mar)
Boulmer	14 Nov	12	240	42	1312	240	63	10-14
South Shields	11 Jan	19	010	46	1818	020	56	10-23
	12 Jan	00	360	42	0154	350	55	0-4
South Gare	11 Jan	19	030	51	1900	040	72	9-23
	12 Jan	00	020	46	0224	010	63	0-11
	15 Sep	08	280	43	0912	280	63	4 5 8-12
	16 Sep	16	250	41	1612	250	58	12 13 15-18
	14 Nov	14	230	43	1412	230	60	7-16
	15 Nov	13	210	50	1318	210	70	6 7 9-15
	27 Dec	18	100	41	1736	100	53	14-23
	30 Dec	23	080	41	2342	080	54	17-23
<b>3 EAST ANGLIA</b>								
Gorleston	11 Jan	21	360	53	2030	360	74	18-23
	12 Jan	01	360	52	0100	360	70	0-14
	23 Jan	15	170	44	1506	170	68	13-18 (Defective Jan)
Cardington	11 Jan	17	360	46	1924	010	67	16-21 23
<b>4 MIDLAND COUNTIES</b>								
High Bradfield	1 Jan	11	270	44	1130	270	64	10-13
	2 Jan	23	250	42	2148	250	62	16-23
	3 Jan	06	260	48	0636	260	74	0-15
	15 Mar	02	270	54	0148	270	74	0-4 7
	23 Mar	03	260	42	1548	270	66	0-5 9-19
	25 Mar	17	270	41	1706	270	67	1-5 16-23
	26 Mar	11	260	46	1124	260	65	1-15
	11 Sep	10	270	48	1018	270	74	1-17
	14 Nov	16	240	43	0842	230	65	2 4-23
	15 Nov	10	220	52	1048	220	72	2 3 6-16 18-23
	19 Nov	01	240	42	0154	240	56	0-3 (Defective Jun-Oct)
<b>5 ENGLAND SE &amp; CENTRAL S</b>								
London Weather Centre	11 Jan	18	360	41	1806	360	71	17 18 20 21
Post Office Tower	3 Jan	13	330	41	1306	340	58	5-14
	11 Jan	17	030	50	1748	060	77	14-23
	12 Jan	02	040	42	0306	060	62	0-8
Dover	3 Jan	09	250	45	1112	260	59	6-11
	11 Jan	23	010	43	2354	010	65	0-5 21-23
	12 Jan	00	010	47	0000	010	71	0-7 9 17 18
	16 Mar	09	240	48	0554	230	72	5-10
	15 Nov	19	200	43	2006	220	59	8-19
	12 Dec	22	250	44	1024	180	59	0-4 9-17 20-23
	13 Dec	01	230	43	0524	260	72	0-15 20 23
	30 Dec	23	080	41	2348	080	51	21-23
	31 Dec	17	060	43	1706	060	60	0-2 10-19
Dungeness	11 Jan	23	360	41	2336	360	61	0 3 4 21-23
	12 Jan	04	360	42	0100	360	61	0-5
	23 Jan	15	180	43	1530	180	60	12-16
Manston	11 Jan	21	360	47	2206	360	70	21-23
	12 Jan	00	350	48	0000	350	72	0-9 11 13 14
<b>7A ENGLAND NW &amp; I O M</b>								
Great Dun Fell	1 Jan	09	240	46	1206	240	57	0-20 22
	2 Jan	19	220	43	1830	220	54	1 2 6-8 11-13 18-20 22
	3 Jan	05	270	55	0512	280	73	0 1 4-10
	6 Jan	21	220	43	2148	210	53	0 14 17-22
	8 Jan	23	210	43	2254	210	51	19 21-23
	9 Jan	06	210	42	0706	210	53	0-8
	11 Jan	17	020	48	1748	020	54	9-23
	12 Jan	00	010	41	0712	010	45	0-11
	29 Jan	09	360	47	0854	360	51	0-23
	18 Feb	23	080	57	2354	070	64	16 18-23
	19 Feb	00	080	58	1512	070	66	0-23
	20 Feb	04	090	45	0424	090	51	0-10
	24 Feb	02	220	48	0230	220	58	0-19 21
	28 Feb	03	210	41	0200	210	49	1-7
	1 Mar	23	210	42	2300	210	53	10 17 21-23
	7 Mar	22	210	49	2212	210	63	17-23
	8 Mar	01	220	48	0018	220	58	0-9
	13 Mar	22	210	45	1836	200	55	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	
7A ENGLAND NW & I O M – cont.								
	14 Mar	01	210	41	0118	210	54	0 1 13-15 19 20
	15 Mar	02	270	45	0112	270	63	0-15
	16 Mar	19	020	45	1918	020	55	17-23
	19 Mar	21	260	49	1818	240	69	7-11 15-23
	20 Mar	01	260	48	0154	260	60	0-6
	24 Mar	23	240	48	2300	230	74	18 19 21-23
	25 Mar	00	240	41	0018	240	53	0-6 16-23
	26 Mar	16	240	43	1700	250	55	0-18
	27 Mar	22	210	45	1518	220	67	2-4 6-23
	28 Mar	14	210	67	1430	210	82	0-23
	29 Mar	00	210	57	0112	210	71	0-23
	30 Mar	11	220	43	1118	220	54	0-17
	30 Apr	00	060	41	0018	060	49	0 1
	9 Jun	15	260	41	1654	260	55	7-20
	16 Jun	12	060	50	1054	060	61	4-23
	22 Jul	16	210	47	1518	210	61	8 10-23
	23 Jul	00	210	41	0000	210	55	0-5 9-14
	14 Aug	16	220	43	1612	220	54	13-20
	21 Aug	22	220	42	2142	220	51	8 16-23
	9 Sep	09	250	43	2200	240	53	2-20 22 23
	10 Sep	05	250	60	0524	250	73	0-13 18 19 22 23
	11 Sep	10	260	47	0136	270	62	0-16
	13 Sep	15	220	41	1606	220	50	13-18
	15 Sep	04	250	57	0348	250	75	0-16
	16 Sep	14	230	65	1424	230	82	0-4 8-23
	17 Sep	01	260	46	0006	260	62	0-3 9 10 13 14 16
	25 Sep	22	240	41	1500	250	51	7 10-17 19-23
	5 Oct	20	280	56	2100	280	70	1-23
	6 Oct	00	270	44	0500	280	54	0-11 15 17
	9 Oct	10	220	44	1100	220	55	9-19
	23 Oct	15	240	43	1518	240	51	14-16 18
	24 Oct	03	250	44	0512	260	55	0-15 18 20
	1 Nov	23	220	41	2330	230	55	12-23
	2 Nov	02	230	49	0218	230	60	0-7
	4 Nov	12	220	45	1312	230	55	3 9-23
	5 Nov	15	230	46	1524	230	57	7-21
	8 Nov	05	230	56	0506	230	74	0-9
	10 Nov	04	230	41	0642	230	49	3-11
	12 Nov	15	220	54	1512	220	78	7 8 10 12-19
	13 Nov	20	240	43	2212	240	53	10-13 15-23
	14 Nov	05	230	62	0418	230	79	0-19
	15 Nov	12	220	73	1218	220	89	0-17 20-23
	16 Nov	23	260	41	1100	250	53	0-5 7-12 15-23
	17 Nov	17	230	57	1824	220	70	0 1 3 4 10-23
	18 Nov	21	220	49	0536	250	59	0-23
	19 Nov	00	230	45	0018	230	56	0-5
	20 Nov	22	260	47	2230	260	59	12-23
	21 Nov	23	260	55	2318	260	65	0 9-23
	22 Nov	00	250	52	0030	250	65	0-22
	2 Dec	09	160	56	0912	160	71	5-17 19 20
	6 Dec	22	130	41	2318	120	55	20-23
	7 Dec	02	130	58	0218	130	73	0-15 19-21
	13 Dec	01	230	43	0048	230	57	0-3
	24 Dec	13	090	43	1318	090	51	12-16
	27 Dec	15	090	55	1554	090	66	10-23
	28 Dec	06	080	49	1030	070	55	0-23
	29 Dec	10	080	50	1212	080	59	0-19 (Defective Feb, Dec)
Moor House	16 Sep	21	270	45	1854	280	62	12-23
	21 Nov	23	260	41	2324	260	59	21-23 (Defective Jan, Feb, May, Jun, Sep–Dec)
Fleetwood	3 Jan	07	290	42	0554	290	74	6-11
Point of Ayre	3 Jan	05	300	41	0512	300	66	4-11
	15 Nov	09	200	41	0836	200	63	6-11 20
Ronaldsway	15 Nov	10	210	42	1006	210	57	6-11
7B WALES N								
Valley	3 Jan	06	290	45	0642	290	74	0-12
	29 Jan	02	330	45	0148	330	68	0-14 17
	1 Feb	18	280	42	1936	290	63	15-22
	14 Mar	21	270	41	2148	270	63	19-23
	20 Mar	18	280	44	1906	300	69	17-19
	14 Nov	09	210	41	0924	200	59	2-13 16
	15 Nov	10	190	49	0954	190	67	3-12 19-21
8A WALES SOUTH								
Aberporth	28 Jan	23	320	43	2312	320	63	18-23
	29 Jan	04	330	49	0218	330	70	0-19
	1 Feb	17	280	41	1930	290	61	16-22
Brawdy	29 Jan	11	340	42	0230	330	62	1-14
Milford Haven	12 Dec	20	240	41	2018	240	64	18-21
8B ENGLAND SW								
Portland Bill CG	11 Jan	19	360	43	1930	360	63	16-22
	19 Jan	04	170	41	0424	170	53	2-5
	29 Jan	15	330	41	1542	330	63	0-19
	1 Feb	21	300	46	2112	300	69	14-23
	2 Feb	00	320	45	0142	320	66	0-10
	18 Feb	19	120	50	2042	110	66	7-23



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	
<b>8B ENGLAND SW — cont.</b>								
Portland Bill CG — cont.	19 Feb	00	110	45	0000	110	63	0 8-23
	20 Mar	20	300	43	2124	300	63	17-23
	12 Dec	20	250	49	1848	250	69	0 6 17-23
	13 Dec	06	270	42	0824	260	67	1-9
	28 Dec	04	250	42	0412	260	59	2-4
Burrington	12 Dec	19	270	42	1954	270	64	18-20
Mount Batten	12 Dec	19	250	43	1936	250	67	15-22
Culdrose	12 Dec	18	240	46	1700	240	63	16 18-20
Lizard	3 Jan	11	290	41	1242	310	55	6-12
	28 Jan	14	290	45	1436	290	71	12-23
	29 Jan	02	310	48	0112	300	73	0-21
	1 Feb	18	290	42	2200	310	67	11-23
	18 Feb	11	100	49	0836	110	62	3-23
	19 Feb	01	100	47	0248	100	65	0-11
	14 Mar	16	280	41	1054	270	64	9-21
	16 Mar	04	280	41	0406	270	56	1-4
	15 Nov	12	210	41	1300	210	55	8-14
	12 Dec	17	250	54	1730	250	75	8 11 13-17 20-23
	13 Dec	03	270	47	0342	280	71	0-7 10 12 14-23
	30 Dec	19	100	42	1942	100	59	16-22
Scilly (St Marys)	28 Jan	14	300	49	1406	300	73	9-23
	29 Jan	01	310	45	0248	310	65	0-12 16 17
	1 Feb	20	300	41	1848	290	66	12-23
	12 Dec	16	280	46	1624	280	72	14-20 22 23
	13 Dec	03	290	44	0306	290	72	0-6 9 14-16 22 23
<b>CHANNEL ISLANDS</b>								
Guernsey Airport	29 Jan	06	310	42	0812	300	62	0-21
	1 Feb	23	290	42	2254	290	59	14-23
	2 Feb	02	290	43	0000	290	60	0-7
	12 Dec	19	230	41	1912	240	66	16-20 22
Jersey Airport	29 Jan	07	310	44	0736	310	61	0-22
<b>NORTHERN IRELAND</b>								
Killough	3 Jan	03	—	43	0418	—	63	1-6
	18 Feb	23	—	47	2330	—	60	5-23
	19 Feb	00	—	46	0106	—	59	0-23
	20 Feb	00	—	44	1054	—	55	0-17
	22 Feb	22	—	44	2218	—	61	11-23
	19 Mar	10	—	42	1006	—	56	8-11
	23 Mar	11	—	43	1148	—	61	8 9 11 12
	15 Nov	09	200	42	0654	210	53	6-10
	7 Dec	15	120	43	1548	120	56	5-21 (Defective May, Jun, Aug-Oct)
Orlock Head	3 Jan	04	310	47	0630	290	71	2-13
	28 Jan	21	360	56	2342	360	74	13-23
	29 Jan	09	360	56	0836	360	76	0-20
	7 Dec	15	130	50	1542	130	67	4-21
	23 Dec	22	110	44	2236	110	55	14-23
	24 Dec	00	120	41	0036	120	55	0-9 13-19
	27 Dec	19	100	50	1930	100	69	6-23
	28 Dec	13	090	49	0812	100	69	0-23
	29 Dec	01	090	42	0142	090	57	0-10



Table 10 Highest and lowest maximum and minimum temperature during 1978 at each station

District and Place	highest maximum and date	highest minimum and date	lowest maximum and date	lowest minimum and date
<b>0 SCOTLAND N</b>				
Baltaound	Jun 2 21.3	Jun 4 11.3	Dec 30 -2.0	Feb 16 -7.8
Fair Isle	Jun 2 16.2	Aug 19 11.4	Dec 31 -2.5	Feb 19 -5.1
Larwick	Jun 2 19.3	Jul 28, Aug 19 11.2	Dec 31 -2.9	Feb 19 -6.6
Pychnometer	Jun 2 20.0	Aug 19 11.7	Feb 17, 18 -3.0	Feb 19 -6.1
Screen	Jun 2 20.8	Oct 6 12.1	Dec 31 -1.9	Dec 31 -5.7
Kirkwall Airport	Jun 2 20.7	Oct 6 12.3	Dec 30 -1.0	Feb 19, 20 -4.7
Weyland	Jun 4 24.8	Jun 1 13.7	Dec 31 -0.8	Feb 12 -3.3
Bombula	Jun 1 22.8	Jun 5 12.9	Dec 31 -0.2	Dec 31 -6.8
Stornoway	Jun 1 25.4	Aug 19 13.9	Dec 30 -3.7	Feb 12 -15.9
Achnary	Jun 4 27.2	Aug 19 14.5	Dec 31 -2.9	Feb 17 -9.0
Achnashellach	Jun 4 25.4	—	Feb 12 -5.7	—
Balmacara	Jun 1 22.9	Jun 1 14.0	Dec 31 -1.0	Dec 30 -9.3
Cape Wrath	May 31 25.5	Jul 23, 28, Aug 19 12.5	Feb 15, 19, Dec 30 -3.5	Feb 18 -16.0
Casley	—	Aug 19 13.4	Dec 30, 31 -1.5	Feb 15, 16 -7.2
Corrach	Jun 1 27.4	—	—	Feb 19 -14.2
Orasdarroch	Jun 2 24.2	Aug 19 15.4	Feb 18, Dec 30 -2.2	Feb 20 -16.0
Dalcross	Jun 1 23.6	Aug 21 12.2	Dec 31 -5.8	Feb 18 -15.0
Dalwhinnie	Jun 4 26.5	Jun 1 17.1	Dec 30 -0.6	Dec 31 -6.0
Dabag	Jun 1 26.0	Jul 26 13.7	Dec 30 -4.0	Dec 31 -10.0
Dounreay	Jun 1 27.4	Aug 19 15.3	Dec 31 -3.3	Jan 4 -10.3
Fort Augustus	Jun 2 22.0	—	Dec 31 -1.4	—
Fortrose	Jun 4 26.2	—	Feb 17, 18, Dec 29 0.5	—
Gairloch	—	—	Dec 30, 31 —	—
Glenmore Lodge	Jun 1 24.4	—	—	Feb 15 -16.7
Grantown-on-Spey	Jun 1 25.5	Jul 28 14.5	Feb 15 -4.6	Feb 15 -20.1
Heale	Jun 1 25.9	—	—	—
Inverness	May 30 26.1	Aug 19 15.5	—	—
Inverpolly	Jun 4 26.8	Aug 19 16.2	—	—
Isle of Rhum	Jun 4 25.6	Jun 1 14.9	—	—
Kales	Jun 2 19.8	Sep 22 13.2	Dec 31 -1.5	Feb 12 -8.7
Knockanrock	May 31 24.5	—	—	Dec 31 -10.0
Laggan	Jun 2 25.4	Aug 19 12.4	Feb 18 -5.1	Feb 15 -21.5
Lairg	May 30 25.9	Aug 19 14.0	Feb 15 -5.0	Feb 12 -17.3
Lantern	May 29, Jun 1 25.2	Aug 19 14.0	Dec 30 -5.0	Feb 18, Dec 31 -11.5
Nairn	Jun 4 24.8	Aug 19 15.4	Dec 31 -1.9	Feb 18 -14.9
Orich	Jun 4 28.5	Aug 19 14.0	Dec 31 -1.5	Feb 18 -10.0
Podieve	Jun 4 26.8	Jun 1 15.7	Dec 30 -0.2	Dec 31 -9.1
Probst	May 31 26.1	Jun 1 16.2	Dec 30 -1.0	Feb 12, 13 -6.2
Strathconon	—	—	—	Dec 31 -15.0
Tartness	Jul 29 23.2	Aug 19 13.6	Dec 31 -1.0	Feb 15, 20 -7.8
Tomatin	Jun 1 25.1	—	Dec 31 -5.0	Feb 20 -15.1
Tornadale	Jun 1 26.1	Jul 28 14.6	Dec 30 -3.0	Feb 19 -11.8
Wick	Jun 2 21.1	Jul 28 13.3	Dec 31 -1.9	Feb 12, 19 -10.5
<b>1 SCOTLAND E</b>				
Aberdeen	Jun 2 25.4	Sep 21 14.5	Dec 31 -2.8	Feb 15, 20 -15.4
Dyce Airport	Jun 2 24.0	Jul 28 14.0	Feb 15, Dec 30 -5.3	Feb 15 -19.5
Balmoral	Jun 2 27.1	Jul 28 15.0	Dec 31 -4.2	Feb 20 -12.4
Bentley	May 29 25.7	Jul 28 14.8	Dec 31 -5.0	Feb 15 -9.0
Breemore	May 18 24.8	Jul 26, Sep 22, 23 12.8	Feb 15 -2.8	Feb 15, 16 -20.5
Clashmore	Jun 1 24.6	Jul 28 13.9	Dec 30 -5.6	Feb 15 -15.5
Craibstone	Jun 2 24.2	Oct 6 13.8	Dec 31 -3.2	Feb 18 -11.6
Culterty	Jul 26 22.6	Oct 6 13.8	Feb 15 -2.7	Feb 20 -15.2
Elgin	—	—	—	—
Forehill	Jun 2 21.5	Oct 6 13.8	Dec 31 -3.0	Feb 20 -11.0
Forres	Jun 1 26.5	Jul 28 15.0	Dec 31 -2.3	Feb 19 -16.1
Fraserburgh	May 29 23.6	Aug 20 13.8	—	Feb 16 -5.0
Fyvie Castle	May 29 25.0	Jul 28 14.5	Dec 31 -5.0	Feb 20 -20.0
Gartly	Jun 2 25.8	Jul 28 14.8	Dec 30 -3.2	Feb 20 -19.3
Glenlivet	Jun 1 25.6	Jul 28 14.8	Dec 31 -5.0	Feb 15 -17.8
Inverurie	Jun 2 24.9	Oct 6 14.7	Dec 31 -3.7	Feb 20 -19.1
Keith	May 29 26.4	Jul 28 14.5	Dec 31 -4.1	Feb 20 -22.0
Kinloss	Jun 4 25.9	Jul 28 15.3	Dec 31 -2.5	Feb 19 -14.3
Lossiemouth	Jun 1 24.9	Aug 19 14.3	Dec 31 -2.8	Feb 19 -15.1
Arbroath	Jun 2 23.4	Sep 22 14.1	Dec 31 -2.1	Feb 18 -7.9
Ardfarnish	Jun 1 26.8	Jul 28 13.6	Dec 31 -3.5	Feb 18 -9.8
Dell	Jun 1, 17 25.0	—	Dec 31 -5.9	Feb 18 -15.7
Drummond Castle	Jun 18 25.3	Sep 10 14.5	Dec 31 -3.2	Feb 18 -13.3
Dundee	Jun 2 24.4	Jul 28 14.0	Dec 31 -4.4	Feb 16 -9.9
Falkirk	May 29, Jun 18 25.5	Jul 28 14.5	Dec 31 -3.1	Feb 18 -12.2
Kindrogon	Jun 18 24.0	Jul 28, Sep 10 12.6	Dec 31 -7.4	Feb 18 -13.4
Kinross	—	—	Dec 31 -5.1	Feb 16 -18.2
Montrose	Jun 2 24.7	Jun 3 14.2	Dec 31 -2.8	Feb 16 -11.8
Myrefield	May 29 23.7	Aug 20 14.2	Dec 31 -4.6	Feb 16, 17 -11.2
Perth	May 29 27.0	Jun 3, Jul 28 14.3	Dec 31 -3.8	Feb 18 -14.0
Strathallan	May 29 25.6	Jul 28 14.5	Dec 31 -5.2	Feb 18 -13.0
Udd	Jun 2 23.0	Sep 22 14.0	Dec 31 -1.5	Feb 15 -4.9
Whithelllocks	Jun 2 24.2	Oct 6 14.2	Dec 31 -5.0	Feb 15 -11.4
Bellatone	May 29 23.0	Aug 20 14.2	Dec 31 -3.2	Jan 5 -6.6
Cupar	May 29 25.2	Aug 20 14.8	Dec 31 -4.0	Feb 18 -17.1
Glenrothes	—	—	—	—
Leuchers	May 29 24.0	Sep 10 15.2	Jan 4 -2.9	Feb 18 -14.0
Pitseaie	May 30 24.5	Sep 10 15.0	Dec 31 -4.4	Feb 15 -9.7
St Andrews	May 29 24.0	—	—	Feb 18 -11.0
Bush House	May 29 24.4	Aug 19 13.5	Dec 31 -4.5	Feb 15 -13.6
Dunbar	May 29, 30, Jun 2 23.0	Sep 22 14.7	Dec 31 -2.6	Feb 11 -7.3
Edinburgh	—	—	—	—
East Craig	Jun 4 24.5	Aug 19 13.4	Dec 31 -3.5	Feb 17 -15.0
Royal Botanic Garden	Jun 4 24.5	Aug 19 15.0	Dec 31 -1.5	Feb 17 -10.7
Royal Observatory	—	—	—	—
Blackford Hill	Jun 4 24.3	Jul 28 14.0	Feb 12 -2.0	Feb 17 -7.5
Turnhouse Airport	Jun 4 25.1	Sep 10 15.2	Dec 31 -2.6	Feb 17 -16.6
Haddington	May 29 25.3	Jul 28 14.8	Dec 31 -2.9	Feb 16 -16.0
Livingston	May 29 26.0	—	Dec 31 -4.1	Feb 17 -18.8
Nurrawe Abbey	May 29 25.6	Oct 12 13.7	Dec 31 -3.8	Feb 18 -14.6
Pathhead	Jun 1 25.3	Sep 22, Oct 9 13.7	Dec 31 -3.8	Feb 18 -13.9
Penicuik	May 29, 30 25.7	Jul 23, 28 13.0	Dec 31 -4.6	Feb 18 -14.5
Blyth Bridge	Jun 1 25.5	Aug 19 13.0	Dec 31 -4.8	Feb 15 -14.5
Blythe	Jun 1 24.5	Sep 22 13.2	Dec 31 -4.0	Feb 11 -8.9
Bonchester Bridge	Jun 1 26.5	Jul 28 14.1	Dec 31 -4.2	Feb 18 -16.5
Bowhill (Selkirk)	May 29 26.7	Oct 6 13.4	Dec 31 -4.7	Feb 17 -13.8
Floors Castle	Jun 1 26.1	Jul 28 15.6	Feb 15, Dec 31 -3.3	Feb 17 -16.0
Galashiels	Jun 1 25.2	Sep 22 13.7	Dec 31 -5.1	Feb 16 -12.8
Glenrives	Jun 1 27.0	Jul 28 14.0	Dec 31 -4.5	Feb 16, 17, 18 -14.5
Groycrook	May 29 26.0	Jul 28 14.0	Dec 31 -2.5	Feb 17 -17.6
Kelso	Jun 1 27.0	Jul 28 15.6	Dec 31 -3.4	Feb 20 -13.0
Leitholm	Jun 1 26.0	—	—	Feb 16 -16.0
St Abbs Head	Aug 19 21.5	Sep 10 14.4	Dec 31 -2.0	Feb 16 -7.2
Stanhope Farm	Jun 1 25.5	Oct 12 13.7	Dec 31 -4.7	Jan 31 -13.2
West Linton	Jun 1 25.5	Aug 19 12.5	Dec 31 -5.6	Feb 15 -15.6
Whitchester	Jun 1 23.3	Jul 28 13.1	Dec 31 -5.4	Feb 16 -11.8
<b>2 ENGLAND E &amp; N</b>				
Boulmer	Jun 2 23.4	Sep 10 16.6	Dec 31 -2.2	Feb 15 -9.2
Cockle Park	—	—	—	Feb 15 -9.4
Haydon Bridge	Jun 1 27.4	Jul 28 16.4	Dec 31 -4.2	Feb 16 -10.9
Kielder Castle	May 29, 31 23.0	Jul 22, Oct 6 12.8	Feb 10 -1.7	Feb 15 -15.5
Lethamhill Farm	—	—	—	—
Redesdale	May 29 24.6	Jul 28 12.9	Feb 12 -2.6	Feb 15 -11.2
Seahouses	Jun 2 23.3	Sep 10 15.5	Dec 31 -1.0	Feb 15 -7.4
Stonewall	May 29 26.7	Jul 28 13.7	Dec 31 -3.5	Feb 15 -14.4
Chapelwell	May 29 25.0	—	—	Feb 11 -9.9
Newcastle Weather Centre	—	—	—	—
Tynemouth	Aug 19 25.0	Sep 10 17.7	Dec 31 -2.8	Feb 15 -7.0
Washington	Aug 19 23.2	Sep 10 18.2	Dec 31 -1.8	Feb 11 -7.2
Wharfedale	Aug 19 23.9	Sep 24 15.6	Dec 31 -2.7	Feb 11 -10.6
Wharfedale	Aug 19 23.9	Sep 24 15.6	Dec 31 -2.7	Feb 11 -10.6
Low Eatherley	Jun 1 25.4	Sep 24 14.1	Dec 31 -4.6	Feb 11 -12.2
Widdymack Fell	Jun 1 23.1	Jul 28 11.8	Dec 31 -7.1	Feb 11 -13.6
Harbourn Grange	Jun 2 25.7	Jul 28 16.0	Nov 30 -3.5	Feb 16 -11.2
Hartlepool	Aug 19 25.2	Sep 24 16.0	Dec 31 -1.8	Feb 15, Dec 1 -7.5
Ashham Bryan	Jun 1 26.2	Aug 22 15.8	Nov 30, Dec 31 -3.5	Feb 11 -8.3
Cawood	Jun 1 26.4	Aug 22 16.0	Nov 30, Dec 31 -2.4	Jan 19 -9.5
High Mountsorpe	Jun 1 23.7	Aug 22 15.4	Feb 11, 12, Dec 30 -1.5	Feb 11 -9.8
Leamington	Jun 1 27.0	Sep 10 17.8	Nov 30 -3.6	Feb 11 -12.6
Melton Tarn	Jun 1 23.7	Aug 22 12.7	Dec 31 -6.0	Dec 20 -9.2
Pickering	Jun 1 26.3	Aug 22 16.2	Dec 31 -2.8	Feb 11 -8.8
Scarborough	Jul 27 23.6	Aug 22 16.0	Dec 31 -1.5	Feb 11 -4.8
Silpho Moor	Jun 19 23.6	Jul 28 14.1	Feb 10 -0.6	Feb 11 -6.4
Snazebury	Jul 17 25.3	Jul 28 13.6	Dec 31 -6.1	Feb 11 -12.2
Whitby	Aug 19 24.3	Aug 22 16.2	Dec 31 -2.0	Feb 11 -6.7
Whitby (Coastguard)	Jul 27 23.6	Sep 10 16.7	—	Dec 31 -6.6
(Heslington)	Jun 1 27.0	Aug 22 15.9	Dec 31 -2.8	Feb 11 -8.1
Bridlington	Jul 27 23.8	Aug 22 15.4	Dec 31 -2.4	Jan 12 -6.6
Cleethorpes	Jul 27 25.1	Aug 22 16.1	Dec 31 -2.7	Feb 11 -5.0
Hull	Jun 2 26.9	Aug 22 16.2	Dec 31 -0.5	Feb 11 -6.0
Birchwood	Jun 2, Aug 19 24.2	Sep 10 15.5	Dec 31 -3.4	Feb 11 -12.1
Caistor	Jun 2 25.8	Sep 10 16.0	Dec 31 -1.4	Feb 16 -12.7
Cranwell	Jun 1 26.9	Jul 28 15.0	Dec 31 -3.7	Feb 18 -9.0
Kirton	Aug 19 26.4	Sep 10 16.0	Nov 30 -2.8	Feb 11 -10.5
Lincoln	Jun 1 26.4	Jul 28 16.7	Dec 31 -2.5	Feb 11 -14.2
Skidgate	Sep 10 25.6	—	—	—
Sutton Bridge	Jun 4 26.2	—	Nov 30 -2.0	Dec 1 -9.8
Waddington	Jun 1 27.0	Sep 10 16.3	Dec 31 -3.7	Dec 1 -8.9
<b>3 EAST ANGLIA</b>				
Coltishall	Jun 1 26.6	Sep 10 16.4	Dec 31 -2.2	Feb 18 -8.9
Crone	Jun 1 25.8	Sep 10 15.8	Dec 31 -1.8	Dec 31 -4.0
Gorleston	Sep 9 25.6	—	Dec 31 -1.5	Feb 11 -7.5
Marham	Jun 1 26.9	Jul 30 16.5	Dec 31 -3.0	Dec 1 -9.0
Morley	—	—	—	—
St Botolph	Jun 1 27.5	Sep 11 16.6	Feb 10 -2.4	Feb 11 -13.1
Samton Downham	Jun 1 27.7	Sep 10, Sep 11 16.9	Dec 31 -2.0	Feb 11 -12.0
Scot	Jun 1 27.1	Sep 11 16.9	Dec 31 -2.0	Feb 11 -12.0
Terrington	—	—	—	—
St Clement	May 31 28.4	Jul 30 16.8	Dec 31 -1.7	Dec 1 -10.2
Boxworth	Jun 1 26.4	Jul 30 16.0	Dec 31 -2.6	Dec 1 -9.6
Cambridge	—	—	—	—
Botanic Garden	Jun 1 27.5	Jul 30 17.1	Dec 31 -2.4	Dec 1 -9.4
National Institute of Agricultural Botany	May 31 26.5	Sep 10 16.5	Dec 31 -2.1	Dec 1 -9.6
March	Jun 1 28.4	Sep 10 16.7	Nov 30 -3.2	Nov 30 -9.3
Marlow	Jun 1 27.9	Sep 10 15.9	Dec 31 -1.8	Dec 1 -9.9
Mepal	May 31, Jun 1, 4 26.2	Sep 10 16.3	Nov 30 -3.4	Nov 30 -11.5
Monks Wood	May 31 26.5	Jul 30 16.0	Dec 31 -2.5	Dec 1 -9.2
Wittering	Jun 1 27.2	Sep 10 16.1	Dec 31 -2.5	Nov 30 -7.6
Wyton	Jun 1 27.1	Sep 10 16.2	Dec 31 -2.6	Nov 30 -8.7
Aldborough	—	—	—	—
Broom's Barn	Jun 1 25.9	Sep 10, 11 15.8	Dec 31 -2.4	Feb 11 -8.1
Caendish	Jun 1 27.1	Sep 11 16.9	Dec 31 -3.3	Nov 30 -8.1
East Bergholt	—	—	—	—
Haughley	Aug 20 25.7	Sep 11 16.8	Dec 31 -2.5	Feb 11 -9.8
Honington	May 31 26.5	Sep 11 16.7	Dec 31 -2.0	Feb 11 -9.8
Levington	Sep 10 26.0	Sep 11 17.0	Feb 10 -0.5	Feb 11 -7.5
Lowestoft	Sep 10 25.8	Sep 11 16.6	Feb 10, Dec 31 -1.0	Feb 11 -7.4
Wattisham	May 1, Sep 10 25.6	Sep 11 16.9	Dec 31 -3.3	Feb 11 -10.0
Cardington	May 31 26.6	Jul 30 16.4	Nov 30 -3.0	Dec 1 -8.1
Luton	Jun 1 26.1	Jul 30 16.8	Dec 31 -4.5	Feb 11, Dec 31 -10.1
Sligo	Jun 1 26.4	Jul 30 16.1	Dec 31 -2.6	Dec 1 -9.0
Woburn	Jun 4 26.3	Jul 30 16.2	Dec 31 -3.2	Dec 1 -10.1
Aldham School	Jul 28 26.8	Jul 30 16.9	Dec 31 -3.3	Nov 30 -8.1
Gaston	May 31 26.2	Jul 30 16.7		



Table 10 (continued)

District and Place	highest maximum and date	highest minimum and date	lowest maximum and date	lowest minimum and date
<b>3 EAST ANGLIA - cont.</b>				
Hoddeston	May 31	26.7 Sep 11	16.7 Dec 31	-3.0 Feb 11
Rothamsted	May 31	26.0 Jul 30	16.2 Dec 31	-3.3 Jan 18
St Albans	May 31	25.9 Sep 11	16.2 Dec 31	-3.5 Jan 18
Stannard	—	—	—	—
Abbotts	—	—	—	—
Clacton-on-Sea	Sep 10	26.0 Jul 30	18.0 Dec 31	-2.0 Feb 12
Halstead	Jul 28	26.2 Sep 11	16.4 Dec 31	-3.5 Feb 11
Little Parndon	—	—	—	—
Shoburyness	Jul 28	25.3 Sep 11	16.2 Dec 31	-1.8 Jan 18
Stanford-le-Hope	Jun 1, Jul 28	26.5 Sep 11	18.0 Dec 31	-3.0 Feb 11, Nov 30
Stannard	May 31	25.5 Sep 11	16.5 Dec 31	-3.2 Dec 31
Writtle	Jun 1	26.4 Sep 11	16.6 Dec 31	-3.0 Dec 1
<b>4 MIDLAND COUNTIES</b>				
Bradford	Jun 1	25.6 Aug 22	15.5 Dec 31	-4.3 Feb 11
Bransham	Jun 1	25.6 Aug 22	16.2 Dec 31	-3.8 Dec 31
Huddersfield	—	—	—	—
Ilkley	Jun 1	26.7 Aug 22	14.8 Dec 31	-4.3 Dec 31
Ilkley	Jun 1	26.0 Aug 22	15.0 Dec 31	-4.0 Feb 11
Pontefract	Jun 1	26.0 —	—	—
Todmorden	Jun 1	26.1 Jul 28	15.3 Dec 31	-3.0 Feb 11
Wilden	Jun 1	26.6 Jul 28	14.7 Dec 31	-5.9 Feb 11
Flintmole	Jun 1	27.5 Sep 10	16.4 Nov 30	-3.7 Feb 18
Sheffield	—	—	—	—
Dore	Jun 1	25.7 Aug 22	15.6 —	—
Weston Park	Jun 1	26.5 Aug 22	16.7 Dec 31	-4.0 Feb 11
Ashover	Jun 1	26.6 Aug 22	15.5 Dec 31	-4.0 Feb 11
Buxton	—	—	—	—
Derby	May 31, Jun 1	27.0 Jul 28	16.5 Dec 31	-2.5 Dec 1
Wingerworth	Jun 1	26.3 Sep 10	15.4 Dec 31	-3.7 Feb 11
Mansfield	—	—	—	—
Newhouse	May 31	27.0 —	—	—
Nottingham	—	—	—	—
Sutton Bonington	Jun 1	27.4 Sep 10	15.4 Dec 31	-3.7 Dec 1
Wansop	Jun 1	26.9 Jul 28	15.5 Dec 31	-3.4 Feb 20
Watnall	Jun 1	27.0 Sep 10	16.0 Dec 31	-3.0 Dec 1
Kilby	May 31	27.0 Aug 22	15.0 Dec 31	-3.4 Feb 11
Oakham	May 31	26.0 Sep 10	15.7 Dec 31	-3.1 Feb 11
Penkridge	May 31	25.5 Sep 10	14.6 Dec 31	-2.7 Feb 11
Stone	May 31	26.8 Sep 10	15.4 Dec 31	-2.8 Feb 11
Calke	Jun 1	26.7 Jul 30	16.4 Dec 31	-2.9 Dec 1
Newton Linford	May 31	26.1 Sep 10	15.3 Dec 31	-3.0 Dec 1
Hempton Lodge	May 31	27.0 Sep 10	16.5 Dec 31	-2.3 Feb 11
Newport	May 31	26.8 Sep 10	16.2 Dec 31	-2.7 Feb 11
Oswestry	Jul 29	25.4 Aug 22	14.9 Dec 31	-3.5 Feb 11, 12
Preston Montford	May 31	25.4 Jul 29	17.2 Dec 31	-2.7 Feb 11
Shawbury	Jun 1	25.3 Sep 10	16.9 Dec 31	-2.2 Feb 11
Shrewsbury	—	—	—	—
Birmingham	—	—	—	—
Edgbaston	May 31	25.7 Sep 10	16.1 Dec 31	-3.2 Feb 11
Elmdon Airport	May 31	25.9 Sep 10	16.7 Dec 31	-2.8 Dec 1
School	Jun 1	26.8 May 27	16.4 Feb 11	-1.8 Feb 11
Coventry Airport	May 31	25.8 Jul 28	15.5 Dec 31	-2.8 Feb 11
Ludington	May 31	26.0 Jul 28	16.0 Dec 31	-1.2 Feb 11
Morston Morrell	May 31, Jun 1	26.0 Aug 22	16.0 Dec 31	-3.4 Feb 12
Rugby	Jul 29	25.7 Jul 30	15.6 Dec 31	-3.8 Feb 11
Shipston-on-Stour	Jul 29	25.2 Jul 28	15.5 Dec 31	-2.9 Feb 11
Stratford-upon-Avon	May 31	26.3 Jul 28	16.1 Dec 31	-1.2 Feb 11
Wellbourne	Jul 29	26.3 —	—	—
Bugbrooke Mills	—	—	—	—
Moulton Park	Jun 1, 4	25.6 Jul 30	16.0 Dec 31	-2.9 Dec 1
Raynolds 2	Jul 29	27.0 Jul 30	16.8 Nov 30	-2.9 Dec 1
Astwood Bank	Jul 29	26.0 Jul 30	15.3 Dec 31	-3.0 Feb 11
Hereford	May 31	26.6 —	—	—
Lyonsall	May 31	25.5 Jul 23, Aug 22	14.5 Feb 11	-1.0 Feb 11
Mavern	May 31	26.6 Sep 10	15.8 Dec 31	-2.2 Jan 18
Penkridge College	—	—	—	—
of Hort	May 31	27.0 Jul 28, Sep 10	15.7 Dec 31	-2.5 Feb 11
Preston Wynne	May 31	25.9 Sep 10	15.4 Dec 31	-2.5 Feb 11
Cheltenham	May 31	26.7 Jul 30	15.3 Dec 31	-1.9 Feb 11
Innsworth	May 31	27.3 Sep 10	16.5 Dec 31	-2.2 Feb 11
Benson	May 31	27.2 Jul 30	16.8 Dec 31	-2.7 Feb 11
Brize Norton	May 31	26.9 Sep 10	16.2 Jan 18	-2.9 Feb 12
Letchworth Regis	May 31	27.4 Jul 30	16.0 Dec 31	-3.0 Jan 18
Oxford	May 31	26.5 Jul 30	17.0 Dec 31	-2.6 Dec 1
Shirburn	—	—	—	—
(Model Farm)	May 31	27.0 Jul 30	16.1 Dec 31	-3.1 Feb 11
Wallingford	May 31	26.4 Jul 30	16.6 Dec 31	-3.5 Feb 11
Aylesbury	May 31	26.8 Jul 30	16.9 Dec 31	-0.6 Feb 11
Grendon	—	—	—	—
Underwood	Jun 1	26.1 Jul 30	16.0 Dec 31	-2.7 Dec 1
Madmenham	May 31	27.1 Jul 2	15.8 Dec 31	-2.4 Dec 1
<b>5 ENGLAND SE &amp; CENTRAL S</b>				
Bromley	Jun 1, Jul 28	27.0 Jul 28, Sep 11	17.0 Dec 31	-2.5 Feb 11
Greenwich	Jun 1	27.0 Sep 11	17.9 Dec 31	-2.8 Nov 30
Hampstead	Jul 28	26.0 Jul 30	16.8 Dec 31	-2.5 —
Hampton	—	—	—	—
Harrow Weald	May 31, Jun 4	26.5 Jul 30	17.0 Dec 31	-2.0 Feb 11
Heathrow	May 31	27.0 Jul 30	18.0 Dec 31	-2.6 Feb 11
Kingston Palace	—	—	—	—
Kew	—	—	—	—
Psychrometer North West	Jun 1	26.3 Jul 30	17.3 Dec 31	-2.1 Dec 1
Steven	Jun 1	27.5 Jul 30	18.0 Dec 31	-2.2 Feb 11
London Weather Centre (X)	May 31	26.8 Jul 30	18.4 Dec 31	-1.9 Feb 11, Dec 31
St James Park	Jun 1	27.8 Jul 30	18.3 Dec 31	-1.9 Feb 11
Southgate	—	—	—	—
Waddon	May 31	27.0 Sep 11	17.5 —	—
Boscombe Down	May 31	26.2 Jul 30	15.3 Dec 31	-3.0 Feb 12
Lacock	May 31	26.6 Sep 10	15.8 Dec 31	-1.0 Nov 27
Larkhill	May 31	27.2 Jul 28, 30	15.0 Dec 31	-3.2 Feb 11
Lysham	May 31	26.1 Sep 10	15.5 Dec 31	-3.5 Feb 11
Porton	May 31	26.2 Jul 30	15.3 Dec 31	-3.4 Feb 12
Trowbridge	May 31	27.8 Jul 28	16.0 Dec 31	-2.3 Feb 11
Upson	May 31	25.9 Jul 30	14.9 Dec 31	-3.4 Feb 11
Easthampstead	May 31	26.8 Sep 11	15.8 Dec 31	-3.0 Feb 11, 12
Hurley	May 31	26.9 Jul 30	16.4 Dec 31	-3.0 Dec 1
Lambourn	—	—	—	—
(Warren Farm)	May 31, Aug 19	24.7 Jul 28	15.0 Dec 31	-5.1 Jan 19
Reading	May 31	26.8 Sep 11	15.9 Dec 31	-2.2 Feb 11
Shinfield (N.I.R.D.)	May 31	26.5 Sep 11	15.7 Dec 31	-2.8 Feb 11
Widley	May 31	27.0 Sep 11	16.3 Dec 31	-2.1 Feb 12, Nov 30
Dover R.M.S.	—	—	—	—
Dungeness	Aug 19	22.0 Sep 11	16.4 Dec 31	-1.4 Feb 12
East Malling	Jul 28	26.4 Sep 11	17.0 Dec 31	-2.0 Feb 11
Edenbridge	May 31	26.0 Sep 11	15.9 Dec 31	-2.5 Nov 30
Elmston	Jul 28	26.4 Sep 11	17.1 Dec 31	-2.1 Feb 18
Faversham	Jun 4	26.6 Sep 11	17.2 Dec 31	-2.3 Feb 11
Folkestone	May 31	25.4 Jul 30	17.3 Dec 31	-2.8 Dec 31
Gillingham	Jul 28	27.6 Jul 28	17.5 Dec 31	-2.5 Jan 19
Goudhurst	May 31	25.8 Sep 11	16.4 Dec 31	-3.0 Feb 12
Hadlow College	May 31	26.4 —	—	—
Haine Bay	Aug 20	25.0 Sep 11	17.0 Dec 31	-2.0 Jan 19
Manston	Aug 20	26.2 Jul 30	17.1 Dec 31	-2.5 Dec 31
Margate	Aug 20	26.4 Sep 11	17.4 Dec 31	-0.9 Dec 31
<b>6A ENGLAND NW &amp; I.O.M.</b>				
Carlisle	Jun 1	26.1 Sep 10	16.7 Dec 31	-3.6 Feb 11
Carmel	Jun 1	26.7 Jun 4	15.2 Dec 31	-1.6 Feb 11
Grassdale	Jun 1	26.5 Jul 23, 28, Sep 24	13.8 Dec 31	-2.0 Feb 11
Moore House	Jun 1	22.3 Jul 28, Aug 22	11.8 Dec 31	-1.5 Feb 11
Newton Flax	Jun 1	26.9 Jul 28, Sep 24	14.1 Dec 31	-3.0 Feb 11
Salford	Jun 1	28.0 Jun 4	16.8 Dec 31	-2.0 Feb 11
Hazlegh	Jun 1	25.8 Oct 12	15.2 Dec 31	-2.9 Jan 18, Feb 11
Helmshore	Jun 1	24.8 Jul 28, Aug 22	13.7 Dec 31	-4.9 Feb 11
Kirkham	Jun 1	27.5 Aug 22	15.4 Dec 31	-2.4 Feb 11
Morecambe	May 31	27.6 Jun 4	15.8 Dec 31	0.0 Feb 11
Preston	Jun 1	27.0 Aug 22	15.8 Dec 31	-2.0 Feb 11
Stalham	Jun 1	25.3 Oct 12	14.0 Dec 31	-1.0 Dec 31
Squires Gate	—	—	—	—
Stonyhurst	May 31	26.8 Sep 10	16.1 Dec 31	-1.6 Dec 31
Algharth	Jun 1	27.0 Sep 10	16.8 Dec 31	-2.2 Dec 31
Bisdom	Jun 1	27.5 Sep 10	16.1 Dec 31	-2.6 Dec 31
St Helens	Jun 1	27.9 Sep 10	16.1 Dec 31	-2.4 Dec 31
Southport	Jun 1	26.5 Aug 22, Sep 10	15.2 Dec 31	-1.9 Dec 31
West Kirby Park	Jun 1	27.7 Sep 10	16.8 —	—
Bolton	Jun 1	26.5 Aug 22	15.4 Dec 31	-3.3 Feb 11
Manchester	—	—	—	—
Ringway Airport	Jun 1	27.6 Jun 1, Aug 22	16.9 Dec 31	-2.5 Feb 11
Weather Centre (X)	Jun 1	26.3 Jun 1	17.0 Dec 31	-2.6 Feb 11
Knuttsford	Jun 1	27.6 Aug 22	15.6 Dec 31	-1.7 Feb 11
Macclesfield	Jun 1	27.2 Jun 4	15.7 Feb 10	-1.3 Feb 11
New Gardens	May 31, Jun 1	26.6 Sep 10	16.1 Dec 31	-1.6 Dec 31
Douglas	May 31	23.9 Jun 4	14.7 Dec 31	-1.4 Dec 31
Point of Ayr	Jun 1, Aug 21	24.0 Sep 10, 13	16.0 Dec 31	-0.7 Jan 18
Ronaldsway Airport	May 31	23.7 Sep 10	15.0 Dec 31	-2.1 Jan 18
<b>7B WALES N</b>				
Bala	May 28	25.2 Aug 22, Sep 10	14.8 Dec 31	-2.9 Dec 31
Bardsey Island	May 31	22.5 Sep 10	14.9 Dec 31	1.5 Dec 31
Batwy-Coed	May 31	27.8 Sep 10	16.7 —	—
Botwinog	Jun 3	26.6 Jun 4	16.7 —	—
Cwmystwyth	May 31	26.0 —	—	—
Llyn Alaw	May 29, 31	23.5 Jun 4, Aug 22	14.0 Dec 31	-0.5 Feb 11, Dec 31
Pen-y-Ffryd	May 31	26.7 Jun 4	17.1 Dec 31	-1.3 Feb 11
Trawsfynydd	May 31	26.5 Jun 4	14.4 Feb 9, Dec 31	0.0 Feb 12
Valley	May 31	27.7 May 31, Jun 4	15.3 Dec 31	-0.3 Dec 31
Alwen	May 31	24.3 Aug 22	13.2 Dec 31	-4.5 Feb 11
Bwllogwyn	May 31, Jun 1	23.3 Jul 28, Aug 22	12.5 Feb 9, 10, 12	-2.5 Feb 11, 12
Colewyn Bay	May 31	26.0 Aug 22	15.9 Dec 31	-1.2 Feb 11
Conwen	Jun 1	25.8 Sep 24	14.6 Dec 31	-3.8 Apr 11
Hawarden Bridge	Jun 1	27.8 Aug 22	16.1 Dec 31	-2.3 Feb 11
Loggerheads	Jun 1	24.3 Aug 22	14.5 Dec 31	-4.0 Apr 11
Prestatyn	Jun 1	26.2 —	—	—
Ruthin	Jun 1	25.8 Sep 24	15.6 Dec 31	-2.5 Apr 11
Hope	May 31	25.6 —	—	—
Lake Vyrnwy	May 31	23.6 Aug 22	13.4 Dec 31	-4.8 Feb 11
Llanfair Caereinion	May 31	25.2 Aug 22	15.1 Dec 31	-4.2 Feb 11
Moel Cynnedd	May 31	24.4 Aug 22	13.4 Dec 31	-5.5 Feb 12
<b>8A WALES S</b>				
Aberporth	May 31	25.8 May 31	16.5 Dec 31	-1.3 Feb 12
Aberystwyth	—	—	—	—
Brawdy	May 31	25.4 Sep 10	15.4 Dec 31	-1.3 Feb 12
Brynmanor	May 31	25.7 Sep 10	15.0 Dec 31	-2.4 Feb 11
Carmarthen	May 31	27.2 —	—	—
Cwmystwyth	May 31	24.5 May 31	14.4 Dec 31	-4.6 Feb 12
Dale Fort	Jun 2	23.5 Sep 10	15.0 Dec 31	-0.8 Feb 12
Gogerddan	May 31	27.5 Jun 4	16.8 Dec 31	-2.0 Feb 11
Milford Haven	—	—	—	—
(Conservancy Board)	May 31	23.3 Sep 10	15.7 Dec 31	-1.5 Feb 12
Orielton	May 31	23.3 Sep 10	15.8 Dec 31	-0.2 Feb 12
Skokholm Island	May 30	19.4 —	—	—
Tenby	May 31	25.0 Aug 22	15.3 Dec 31	-1.3 Feb 12
Trawcoed	May 31	26.2 Aug 22	15.7 Dec 31	-2.5 Feb 12
Treporon	May 31	25.2 Sep 10	15.4 Dec 31	-2.5 Dec 31
Whitchurch	May 31	25.3 Sep 10	15.3 Dec 31	-2.4 Feb 12
Cenarth	May 31, Jun 1	24.0 —	—	—
Llangeny	May 31	25.7 —	—	—
Mumbles Head	Jul 14	24.1 Oct 11	15.8 Dec 31	-0.6 Feb 11
Nest	May 31	26.3 Sep 10	16.0 Dec 31	-1.5 Feb 11
Penmaen	May 31	24.5 Sep 10	15.5 Dec 31	-1.9 Feb 12
Port Talbot	May 31	27.0 May 31	18.0 Dec 31	-1.0 Feb 11
Swansea	Jul 14	24.0 —	—	—
Whistford Burrows	May 31	24.8 Sep 10	16.2 Dec 31	-0.8 Feb 12
Aberdare Fitter Station	May 31	24.6 Sep 10	15.0 Dec 31	-1.3 Feb 11
Cilfynydd	—	—	—	—
Llwynn	May 31	24.6 Sep 10	14.6 Dec 31	-3.6 Feb 11
Portlough	Jun 3	25.4 Jul 23	15.9 —	—
Brigid	May 31	25.9 Sep 10	15.6 Dec 31	-0.8 Feb 12
Cardiff	May 31	26.3 Sep 10	16.2 Dec 31	-2.6 Feb 13
(But Park)	May 31	25.9 Sep 10	15.5 Dec 31	-2.5 Feb 11
Rhosneirion Airport	May 31	26.6 May 31, Jul 14	13.5 Dec 31	-4.0 Feb 11
Crumblund	—	—	—	—
Uk	—	—	—	—



Table 10 (continued)

District and Place	highest maximum and date	highest minimum and date	lowest maximum and date	lowest minimum and date
<b>88 ENGLAND SW</b>				
Bath	—	—	—	Feb 11 -7.3
Filton	May 31 26.9	Sep 10 16.4	Dec 31 -3.0	Feb 11 -7.6
Long Ashton	May 31 26.5	Jul 31 14.9	Dec 31 -2.1	Feb 11 -8.5
Cannington	May 31 27.0	—	—	Feb 12 -7.2
Crewkerne	May 31 25.8	Oct 11 14.8	Dec 31 -3.0	Feb 11 -7.6
Dorchester	May 31 26.3	Jul 30 14.8	Dec 31 -3.6	Feb 11 -8.0
Exton	May 31 23.5	Sep 10 13.9	Dec 31 -4.1	Feb 11 -7.9
Hawkrigg	May 31 23.2	Jun 4 14.4	—	—
Nettercombe	Oct 12 24.3	—	Dec 21 -2.2	Feb 11 -8.2
Nettercombe (Birds Hill)	Oct 12 22.5	Jun 4 14.0	—	—
Rodney Stoke	May 31 26.2	Jun 4 16.2	Dec 31 -2.0	Feb 12 -6.9
Wincanton	May 31 26.3	Sep 10 14.8	—	—
Yewilton	May 31 26.9	Sep 10 15.5	Dec 31 -2.0	Feb 12 -9.1
Bournemouth	May 31, Jul 14 26.0	Sep 11 16.0	Dec 31 -2.3	Feb 12 -8.7
Hurn Airport	—	—	—	Feb 12 -7.2
Meyrick Park	—	—	—	Feb 12 -7.2
Christchurch	Jul 14 24.9	Sep 11 16.6	Dec 31 -1.8	Feb 11 -6.5
Poole	Jul 14 26.1	Jul 30, Sep 11 15.7	Dec 31 -2.0	Feb 12 -7.0
Portland Bill	—	—	—	—
(Overguard)	Jul 14 21.2	Aug 20, Sep 10 15.0	Dec 31 -2.0	Feb 11 -6.2
Swanage	Jul 14 24.8	Sep 10 16.1	Dec 31 -1.0	Feb 11 -5.6
Weymouth	Jul 14 24.0	Sep 11 15.4	Dec 31 -1.5	Feb 12 -7.1
Winfrith	Jul 14 26.0	Sep 11 15.7	Dec 31 -2.0	Feb 12 -6.5
Chawleigh	Jun 1 23.7	Sep 10 14.5	—	—
Exeter Airport	Jul 14 25.5	Sep 7, 11 15.2	Dec 31 -1.9	Feb 11 -7.9
Exmouth	Jul 29 24.5	Sep 10 15.5	—	—
Hartland Point	May 31 25.5	Oct 12 15.6	Dec 31 -0.4	Feb 11 -4.6
Ilfracombe	May 31 26.0	Sep 10, Oct 12 16.2	Dec 31 0.0	Dec 31 -3.6
Okhampton	May 31 22.6	Jun 1 13.8	Dec 31 -4.8	Feb 11 -8.8
Plymouth	—	—	—	—
Mount Batten	May 31 24.4	Sep 10 15.9	Dec 31 -1.3	Feb 11 -5.8
The Hoe	May 31 24.6	May 31 16.3	Dec 31 -1.8	Feb 11 -5.8
Praze Point	—	—	—	—
Princetown	May 28 22.5	Jul 30 13.0	Dec 31 -5.2	Feb 11 -9.0
Sidmouth	Jun 18 24.0	Sep 10 16.0	—	Feb 11 -6.0
Stapton	Jun 19 23.3	Sep 10 15.6	Dec 31 -0.3	Feb 11 -6.0
Starcross	Sep 10 26.0	Sep 7, 10 15.4	Dec 31 -3.5	Feb 11 -7.0
Taignton	—	—	—	Feb 11 -6.0
Torbay (Torquay)	Jun 18 23.6	Sep 10 15.8	Dec 31 -1.3	Feb 11 -5.4
Bastree	May 30, 31 24.0	Sep 10 14.0	Dec 31 -2.7	Feb 11 -10.3
Bude	May 31 27.1	Sep 10 15.9	Dec 31 -0.7	Feb 11 -7.0
Culdrose	Jul 14 23.2	Sep 7 15.5	Dec 31 -1.3	Feb 11, 13 -6.2
Falmouth	Jun 19 23.6	—	—	Feb 11 -6.0
Fowey	Jul 14 23.0	Oct 12 16.0	Dec 31 -2.2	Feb 11 -6.7
Gulval	—	—	—	—
Gwennap Head	Jul 14 23.2	Sep 7 15.2	Dec 31 -1.5	Feb 11, Dec 31 -4.0
Lizard	Jun 19 23.0	Sep 10 15.1	Feb 9 2.0	Feb 13 -3.7
Newquay	—	—	—	Feb 11 -4.4
Penzance	Jul 14 23.9	Sep 7 15.6	Dec 31 -0.4	Dec 31 -3.9
Rosewarne	May 31 23.2	Sep 7 14.7	Dec 31 -3.2	Dec 31 -4.8
St Austell	—	—	—	—
(Bethell)	Jul 14 23.2	Sep 7 14.9	Dec 31 -2.0	Feb 11 -6.0
St John	May 31 26.7	Jun 4 14.3	Dec 20 -0.1	Dec 19 -8.2
St Mawgan	May 31 24.4	Sep 10 15.6	Dec 31 -1.8	Feb 11 -6.3
Scilly (St Marys)	Sep 22 22.8	Sep 13 15.5	Dec 31 1.6	Dec 31 -1.2
Alderney	May 31 23.7	Oct 11 15.5	Feb 11 0.5	Feb 12 -3.9
Guernsey	—	—	—	—
Airport	May 31 25.0	May 31 16.9	Feb 10 0.0	Feb 11 -2.3
L'Ancrese	Aug 19 24.3	Oct 11 16.0	Feb 10, 12 2.0	Feb 17 -1.8
Jersey	—	—	—	—
Airport	May 31 26.0	Sep 11 15.7	Dec 19 -0.7	Dec 20 -4.0
Gorey Castle	—	—	—	—
St Helier	May 31 27.3	Sep 11 16.3	Dec 19 0.0	Dec 20 -3.4
<b>NORTHERN IRELAND</b>				
Aghaloo	Jun 1 24.5	Jun 1 15.0	Dec 31 -1.8	Feb 10 -6.0
Banagher (Caugh Hill)	Jun 1 22.7	Sep 22 13.2	Dec 31 -3.5	Feb 11 -6.5
Carmona	May 29, 31 25.0	Jun 4 15.2	Dec 31 -2.5	Dec 31 -6.4
Coleraine	—	—	—	—
University	Jun 1 25.1	Sep 22 15.0	Dec 31 -1.5	Feb 10 -7.0
Coolkeeragh	—	—	Dec 31 -0.1	Dec 31 -6.1
Derryoyd Forest	Jun 1 25.4	—	Dec 31 -3.2	Feb 10 -7.3
Garvagh Forest	May 29, Jun 1 24.0	Sep 22 14.1	Dec 31 -3.2	Feb 11 -7.3
Loughmore	—	—	—	—
Forest	Jun 1 24.4	Aug 19 14.0	Dec 31 -3.4	Feb 11 -8.2
Moneyg	Jun 1 24.5	Aug 19 14.2	—	Feb 11 -8.4
Trad Point	May 31, Jun 1 23.0	Aug 19 14.5	Dec 31 0.4	Feb 10 -6.6
Aldergrove Airport	May 29 24.5	Sep 10 15.9	Dec 31 -1.3	Feb 10 -7.7
Altnahinch	Jun 1 23.4	Aug 19, Sep 22 13.0	Dec 30, 31 -0.5	Feb 10 -8.7
Ballylumford	May 28 21.8	Sep 22 13.9	Dec 30, 31 0.5	Feb 11, Dec 31 -3.0
Ballypatrick	—	—	—	—
Forest	May 31 23.5	Aug 19 13.7	Dec 31 -2.7	Nov 28 -6.3
Carnlough	May 29, 31, Jun 4 21.9	—	Jan 17 1.3	Feb 11 -6.5
Divis Mountain	May 28 22.3	Jun 1 11.5	—	Feb 10 -8.0
Greenmount	May 29 24.4	Jun 1 14.4	Jan 17, Dec 31 1.1	Feb 10 -7.0
Hyde Park	—	—	—	—
(Mallusk)	—	Jun 1 13.0	Dec 31 -1.5	Feb 10 -5.6
Kilroot Power Station	May 29 22.2	Aug 19, Sep 10, 22 14.0	Dec 31 0.2	Feb 11 -5.2
Lisnaffill	May 29 24.4	Jun 4 14.0	Dec 31 -0.8	Feb 10 -10.6
Lisnaw	May 29 21.3	Jun 1 13.5	Dec 31 -3.5	Nov 28 -8.0
Parkmore Forest	May 29 22.5	Sep 22 12.5	Dec 31 -3.3	Feb 11 -8.4
Woodburn North	Jun 18 21.3	Jun 1, Aug 19 13.0	Dec 31 -3.0	Feb 11 -7.5
Andersonstown	Jun 1 23.8	Jun 4 15.0	—	Feb 11 -5.0
Malone	Jun 18 24.0	Sep 10 14.0	Dec 31 -1.5	Feb 11 -4.4
Milltown	Jun 18 25.6	May 24 15.0	Dec 31 -2.0	Feb 10 -6.0
Newtownabbey	May 29 23.9	Sep 22 15.0	Dec 31 -1.0	Feb 11 -3.6
Rosbank	Jun 1 23.9	Jun 4 14.0	Dec 31 -2.5	Feb 11 -4.1
Rosetta	Jun 18 23.5	Sep 10 14.1	—	Feb 13 -5.8
Stormont Castle	Jun 18 23.2	Aug 19, Sep 22 13.5	Dec 31 -2.0	Feb 11 -4.5
Bangor Secourt	Jun 1 23.7	Sep 22 14.7	Dec 31 0.5	Jan 18 -2.9
Ballywalter Park	—	—	—	—
Ballywattlock	May 28 21.9	Sep 10 14.4	Dec 31 -1.4	Feb 11 -4.4
Downpatrick	Jun 4 23.7	Sep 10 14.8	—	—
Helens Bay	Jun 1 24.0	Sep 22 14.4	Jan 17 1.3	Feb 11 -3.5
Hillsborough	May 29 22.8	Aug 19 13.7	Dec 31 -1.9	Feb 10 -6.1
Magherally	May 28 24.0	Aug 19 13.3	Dec 31 -3.6	Feb 11 -9.1
Murlough	Sep 13 21.8	Sep 10 14.9	Dec 31 -1.4	Nov 28 -9.0
Newry	Jun 18 23.9	Sep 10 16.0	Dec 31 -1.5	Feb 11 -6.4
Silent Valley	May 31 21.4	Jun 4 15.0	Dec 31 -1.5	Nov 28 -4.5
Armagh	Jun 18 24.6	Jun 4 14.4	Dec 31 -2.6	Feb 11 -6.1
Loughgall	May 31 24.0	Aug 19 14.5	Dec 30 0.7	Feb 11 -6.7
Lurgan	Jun 1 24.4	Aug 19 14.2	Dec 30 1.4	Feb 10 -6.8
Tandragee	May 31 25.0	Sep 10 14.2	Dec 31 -1.0	Feb 11 -8.5
Altaveeden	May 29, Jun 1 23.2	—	—	Feb 10 -8.5
Carrigan	Jun 1 24.7	Sep 10 15.6	Dec 31 -1.7	Feb 10 -7.2
Cookstown	May 29 24.0	Sep 10 14.3	—	Feb 10 -5.7
Lough Bradan	May 31 24.2	Sep 10 12.5	Dec 31 -3.0	Feb 10 -9.1
Pomeroy Forest	Jun 1 22.5	Aug 19 13.3	Dec 31 -2.5	Nov 28 -6.8
Strabane Convent	May 31 25.9	—	—	Feb 10 -6.9
Tienny	May 31 24.7	Sep 23 14.1	Dec 31 -2.6	Feb 10 -8.0
Castle Archdale Forest	May 31 24.4	Jul 27 13.4	Dec 31 -0.3	Feb 11 -8.4

District and Place	highest maximum and date	highest minimum and date	lowest maximum and date	lowest minimum and date
Corgary	May 31 24.4	Jul 11 13.2	Dec 31 -3.3	Dec 31 -6.2
Knockarevan	May 31 25.5	—	Dec 31 -0.8	Feb 12 -9.0
Lisnakea	Jun 1 24.3	Jul 10 14.2	Dec 30 0.0	Feb 11 -7.8
Lough Navar Forest	May 31 24.2	Jul 30, Aug 21 12.6	Dec 31 -2.0	Feb 10 -6.6



Table 11 Number of days on which the duration of sunshine was between given limits in each month of 1978

Station	January					February					March					April					May					June				
	0.0	0.1-3.0	3.1-6.0	6.1-9.0	>9.0	0.0	0.1-3.0	3.1-6.0	6.1-9.0	>9.0	0.0	0.1-3.0	3.1-6.0	6.1-9.0	>9.0	0.0	0.1-6.0	3.1-6.0	6.1-9.0	>9.0	0.0	0.1-3.0	3.1-6.0	6.1-9.0	>9.0	0.0	0.1-3.0	3.1-6.0	6.1-9.0	>9.0
Lerwick	19	11	1	0	0	9	9	7	3	0	7	9	8	5	2	7	4	4	9	6	6	8	4	3	10	4	12	8	1	5
Stornoway	11	17	3	0	0	8	10	4	6	0	8	8	10	4	1	5	5	5	9	6	3	5	7	2	14	2	10	6	5	7
Craibstone	10	10	11	0	0	13	6	6	3	0	4	8	8	9	2	9	5	7	7	2	5	6	1	4	15	3	9	4	6	8
Leuchars	13	7	10	1	0	12	6	5	5	0	3	12	6	9	1	7	8	6	6	3	4	5	6	6	10	2	4	9	4	11
Abbotsinch	13	11	3	4	0	8	6	11	3	0	4	12	11	3	1	5	14	3	2	6	1	8	6	3	13	0	10	7	3	10
Eskdalemuir	14	11	2	4	0	10	8	5	5	0	8	13	5	3	2	6	11	4	7	2	0	13	3	3	12	4	9	3	6	8
Boulmer	10	12	7	2	0	10	11	3	4	0	1	12	9	7	2	9	5	8	6	2	2	9	3	8	9	2	9	3	4	12
Gorleston	18	8	5	0	0	—	—	—	—	—	—	—	—	—	—	10	8	3	5	4	—	—	—	—	—	1	7	11	2	9
Cambridge (N.I.A.B.)	14	12	4	1	0	6	15	5	2	0	3	12	9	6	1	10	8	2	6	4	5	8	5	3	10	1	11	8	2	8
Finningley	12	11	7	1	0	9	12	6	1	0	0	16	8	4	3	8	11	3	5	3	4	10	1	5	11	3	10	6	0	11
Edgbaston	15	10	6	0	0	12	12	3	1	0	4	9	10	5	3	9	10	4	7	0	6	5	5	5	10	5	10	3	5	7
Kew (Psychrometer)	13	12	4	2	0	8	15	3	2	0	4	9	10	5	3	10	6	4	4	6	4	8	2	4	13	2	5	10	5	8
Southampton	7	13	7	4	0	9	8	9	2	0	6	9	8	3	5	8	8	3	5	6	4	6	4	2	15	0	9	7	2	12
Hastings	10	11	6	4	0	7	10	5	6	0	5	13	4	6	3	4	11	5	5	5	2	10	5	1	13	2	4	6	7	11
Squires Gate	14	9	6	2	0	6	12	7	3	0	3	11	8	8	1	8	7	2	8	5	2	6	4	6	13	3	9	3	6	9
Douglas	11	10	7	3	0	11	8	5	4	0	6	9	7	8	1	2	8	8	2	10	3	5	6	2	15	2	10	3	6	9
Valley	12	8	9	2	0	8	9	5	6	0	2	12	7	7	3	2	8	5	4	11	2	5	3	4	17	2	9	7	6	6
Falmouth	11	12	5	3	0	8	11	5	4	0	8	5	10	3	5	6	5	6	4	9	1	5	4	9	12	1	8	6	8	7
Aldergrove	11	10	9	1	0	7	11	5	5	0	5	10	9	7	0	3	9	6	8	4	2	14	1	2	12	4	13	3	3	7
Armagh	8	12	11	0	0	8	10	8	2	0	6	10	8	7	0	2	13	9	3	3	4	13	0	3	11	6	14	2	1	7

Station	July					August					September					October					November					December				
	0.0	0.1-3.0	3.1-6.0	6.1-9.0	>9.0	0.0	0.1-3.0	3.1-6.0	6.1-9.0	>9.0	0.0	0.1-3.0	3.1-6.0	6.1-9.0	>9.0	0.0	0.1-3.0	3.1-6.0	6.1-9.0	>9.0	0.0	0.1-3.0	3.1-6.0	6.1-9.0	>9.0	0.0	0.1-3.0	3.1-6.0	6.1-9.0	>9.0
Lerwick	8	11	7	3	2	5	15	7	3	1	8	9	8	5	0	10	12	6	3	0	11	16	3	0	0	24	6	1	0	0
Stornoway	5	14	4	4	4	10	15	1	2	3	5	11	9	5	0	10	13	4	3	1	13	13	4	0	0	21	7	3	0	0
Craibstone	4	12	6	6	3	6	10	4	9	2	2	9	8	7	4	8	7	11	4	1	3	15	10	2	0	21	7	3	0	0
Leuchars	4	13	2	4	8	7	8	7	3	6	3	14	6	4	3	7	10	5	9	0	4	13	11	2	0	17	11	3	0	0
Abbotsinch	3	8	4	6	10	5	17	4	3	2	4	12	10	4	0	5	14	6	6	0	10	13	5	2	0	19	9	3	0	0
Eskdalemuir	6	8	8	3	6	8	9	7	4	3	7	10	10	3	0	11	12	2	5	1	12	14	0	4	0	18	8	5	0	0
Boulmer	3	8	9	4	7	7	9	4	7	4	5	6	9	7	3	8	7	8	7	1	4	16	7	3	0	16	12	3	0	0
Gorleston	3	8	9	7	4	—	—	—	—	—	2	3	11	11	3	9	10	6	5	1	7	12	6	5	0	18	8	5	0	0
Cambridge (N.I.A.B.)	4	11	7	8	1	4	9	6	8	4	4	3	10	9	4	7	10	7	6	1	4	13	9	4	0	16	9	6	0	0
Finningley	3	6	15	5	2	2	16	4	6	3	3	7	9	9	2	7	10	12	2	0	5	13	8	4	0	18	8	5	0	0
Edgbaston	4	9	5	7	6	3	12	6	8	2	2	7	9	11	1	8	11	6	6	0	9	8	8	5	0	17	9	4	1	0
Kew	3	9	5	9	5	0	9	7	9	6	0	7	10	9	4	3	14	8	5	1	5	13	6	6	0	11	14	6	0	0
Southampton	4	12	5	2	8	0	9	8	8	6	1	4	8	13	4	6	9	11	4	1	5	14	7	4	0	14	13	3	1	0
Hastings	2	9	9	5	6	0	4	10	8	9	2	7	4	13	4	5	10	5	7	4	5	11	6	8	0	11	15	3	2	0
Squires Gate	2	12	7	2	8	5	9	9	4	4	3	12	10	4	1	8	9	9	3	2	8	13	7	2	0	15	9	6	1	0
Douglas	3	6	7	5	10	9	8	4	6	4	2	12	5	8	3	7	10	6	7	1	16	9	4	1	0	15	10	6	0	0
Valley	4	7	8	5	7	6	9	4	8	4	3	9	9	6	3	10	7	7	6	1	6	16	4	4	0	14	9	6	2	0
Falmouth	6	6	3	7	9	0	10	0	7	14	2	3	5	9	11	5	15	4	5	2	11	10	4	5	0	—	—	—	—	—
Aldergrove	2	13	7	3	6	5	16	6	2	2	6	10	8	5	1	6	11	7	7	0	8	17	2	3	0	13	9	7	2	0
Armagh	2	16	5	3	5	7	15	6	0	3	6	11	7	6	0	5	12	8	6	0	8	15	6	1	0	12	14	4	1	0



Table 12 Number of days with rainfall between given limits during 1978

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	115	64	115	47	18	2	2	2	Shoeburyness	218	54	62	25	4	0	2	0
Stornoway	105	69	112	49	18	9	2	1	Edgbaston	177	63	74	35	9	1	5	1
Nairn	169	67	88	26	10	2	2	1	Preston Wynne	184	59	78	28	10	6	0	0
Craibstone	163	59	88	31	15	5	1	3	Kew	212	53	61	27	6	3	1	2
Leuchars	182	58	80	23	10	6	2	4	Southampton	207	44	64	31	11	3	2	3
Abbotsinch	142	62	85	44	20	7	1	4	Hastings	216	38	71	25	10	2	3	0
Rothsay	145	40	83	49	26	11	7	4	Squires Gate	176	50	77	42	12	5	0	3
Eskdalemuir	133	55	90	42	19	9	9	8	Aigburth	182	42	88	27	17	5	2	2
Boulmer	174	66	72	29	12	5	3	4	Douglas	165	52	78	33	20	9	4	4
Durham	180	62	78	27	9	4	2	3	Valley	179	45	88	33	15	3	2	0
Scarborough	177	60	82	30	8	5	1	2	Aberporth	176	54	86	28	17	2	0	2
Bridlington	185	50	81	32	11	2	1	3	Long Ashton	193	40	86	33	7	3	0	3
Cranwell	193	55	71	33	6	2	2	3	Falmouth	186	39	73	39	19	5	2	2
Gorleston	—	—	—	—	—	—	—	—	Aldergrove	150	57	98	39	12	6	1	2
Cambridge (Botanic Garden)	211	55	66	23	8	0	1	1	Armagh	152	60	107	32	10	1	1	2

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







Table 4 Additions and Corrections

Year, Month and Station	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 °C	depression of wet bulb °C	vapour pressure (mb)	relative humidity (%)		oktas					0.39m	40-190m	200-390m	400-990m	1000-1900m	2000-3900m	4-9 km	10-19 km	20-39 km	40 km and over	beaufort force						N	NE	E	SE	S	SW	W	NW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Table 5 Correction 1972 January Falmouth col 4 (10.1 to 15.0) for 'O' read '15'



# MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

**OCTOBER****1978**

VOLUME 95

NUMBER 10

## Warm and dry, except in extreme north.

A northerly airstream was replaced on the 1st by a ridge of high pressure and this was followed by an unsettled westerly spell. Southern areas came within the influence of an anticyclone which moved from Biscay to Germany between the 4th and the 6th. A southerly airflow developed on the 7th, but complex low-pressure systems affected many areas during the next few days. With pressure rising over central Europe, however, a warm southerly flow became re-established by the 11th. A depression off south-west Ireland moved north-east on the 15th and a north-westerly airstream then developed and persisted for a few days. An anticyclone became stationary to the south-west of the British Isles between the 19th and the 25th, while fronts crossed many areas, but mostly affected the north. A strong ridge then moved eastwards across Britain, allowing fronts from the north-west to cross most parts on the 31st.

### Weather

The weather was generally unsettled at the beginning of the month, but after the first few days rain or showers were mostly confined to the north, and the 7th was a dry day everywhere. Scattered outbreaks of rain or showers occurred between the 8th and 11th, but it then became mainly dry until mid-month. It was also very warm, although overnight fog became dense in places, particularly in England and Wales. Rain reached most parts on the 15th and the weather was then cooler and less settled until the 23rd. Isolated thunderstorms occurred during the middle two weeks of the month and wintry showers fell in the north during the third week. The changeable weather continued in some northern areas until the end of the month, while remaining districts became drier and warmer, but a belt of rain spread to most parts on the 31st.

### Wind

Except for a few days towards the end of the second week, when speeds were light in most areas, winds were frequently fresh or strong in exposed places in the north. Speeds there occasionally reached gale force, and a gust of 81 kt was recorded at Cairngorm on the 5th. Winds were also fresh or strong along western coasts of England and Wales from time to time. Directions were mainly between south-west and north-west, except between the 7th and the 12th, when south to south-east winds predominated.

### Temperature

Monthly mean temperatures were above average in all areas, except in Shetland. Values were between 0 and 1 °C above the normal in north-west Scotland, over most of south-east England, and in parts of south-west England, South Wales and East Anglia, but were between 1 and 2 °C above average in almost all remaining districts. After the first few days, it became warm in many areas, particularly during the second week. Most places in Great Britain recorded their monthly maximum on the 11th or 12th, temperatures of at least 25 °C occurring in places in East Anglia, the south Midlands and southern England. In London, where the temperature rose to 25.2 °C on the 11th, this was the warmest October day since 1959, and Exeter Airport, with a maximum of 23.7 °C on the 12th, had its highest October temperature since records began there in 1942.

Temperatures returned to nearer the normal by mid-month, but there was another warm spell during the last week.

### Rainfall

Rainfall exceeded the average only in north-western Scotland, where twice the normal amount for the month fell at Cape Wrath. The 5th was a very wet day in this area, values exceeding 100 mm at one or two places in the 24 hours starting at 09 GMT. All other parts of the United Kingdom had less than their usual rainfall for October and in most places totals were well below the normal. Less than 25 per cent of the average fell in parts of eastern Scotland and also south of a line from the Humber to Cardigan Bay. Within this latter area, the Channel Islands, most of south-east and central southern England and parts of East Anglia and south Devon had less than 10 per cent of their normal rainfall. Totals for the month at a number of places in these areas were below 5 mm and only 0.1 mm was recorded at Gravesend in Kent. Over England and Wales, taken together, there have probably been only 4 drier Octobers since the record began in 1727, and in Northern Ireland, where rainfall was below 50 per cent of the normal over the Province as a whole, it was the driest October this century in the Belfast area.

### Snow

Snow showers occurred in Shetland on the 20th and 24th, but snow was otherwise only observed at times on the upland slopes of some of the Scottish mountains. Wintry showers of sleet or hail were occasionally reported in the Northern Isles and in mainland Scotland during the first week, and also between the 16th and the 24th. Isolated sleet and hail showers occurred in northern England and in North Wales at the beginning of the third week.

### Sunshine

Sunshine was between 100 and 120 per cent of average in Shetland, over most of south-east England and central and south-west Scotland, and along much of the eastern coastal strip of Scotland and England north of the Humber. Totals were slightly above average in places in central southern and south-west England, South Wales and the Isle of Man, but remaining parts of Great Britain had less than their normal sunshine for the month. In Northern Ireland, however, it was the sunniest October since 1959, and totals were highest in Co. Down, where Hillsborough recorded 142 per cent of its average. Sunny intervals occurred from time to time throughout the month in central and southern districts, but in northern areas the first half of October was generally the sunnier.

### Fog

Overnight fog patches occasionally formed in inland areas during the first week, but occurred more frequently during the second week. The fog chiefly affected south-eastern and central southern England, the Midlands and East Anglia. It became widespread and dense over much of England and Wales on the night of the 12th/13th, persisted all the following day in places, and returned to many parts on the night of the 13th/14th, when the Central Lowlands of Scotland were also affected. Several people were killed in road accidents and flights were seriously delayed at airports. Dense fog also developed overnight, mostly in the south-east and the Midlands, between the 27th and the 29th. Fog along coasts and on hills occurred during similar periods and also between the 21st and the 24th. Coastal fog most frequently affected the north and west and Shetland had fog for much of the day on the 9th and the 11th.

### Miscellaneous Phenomena

None reported.

**Table 1 District values**

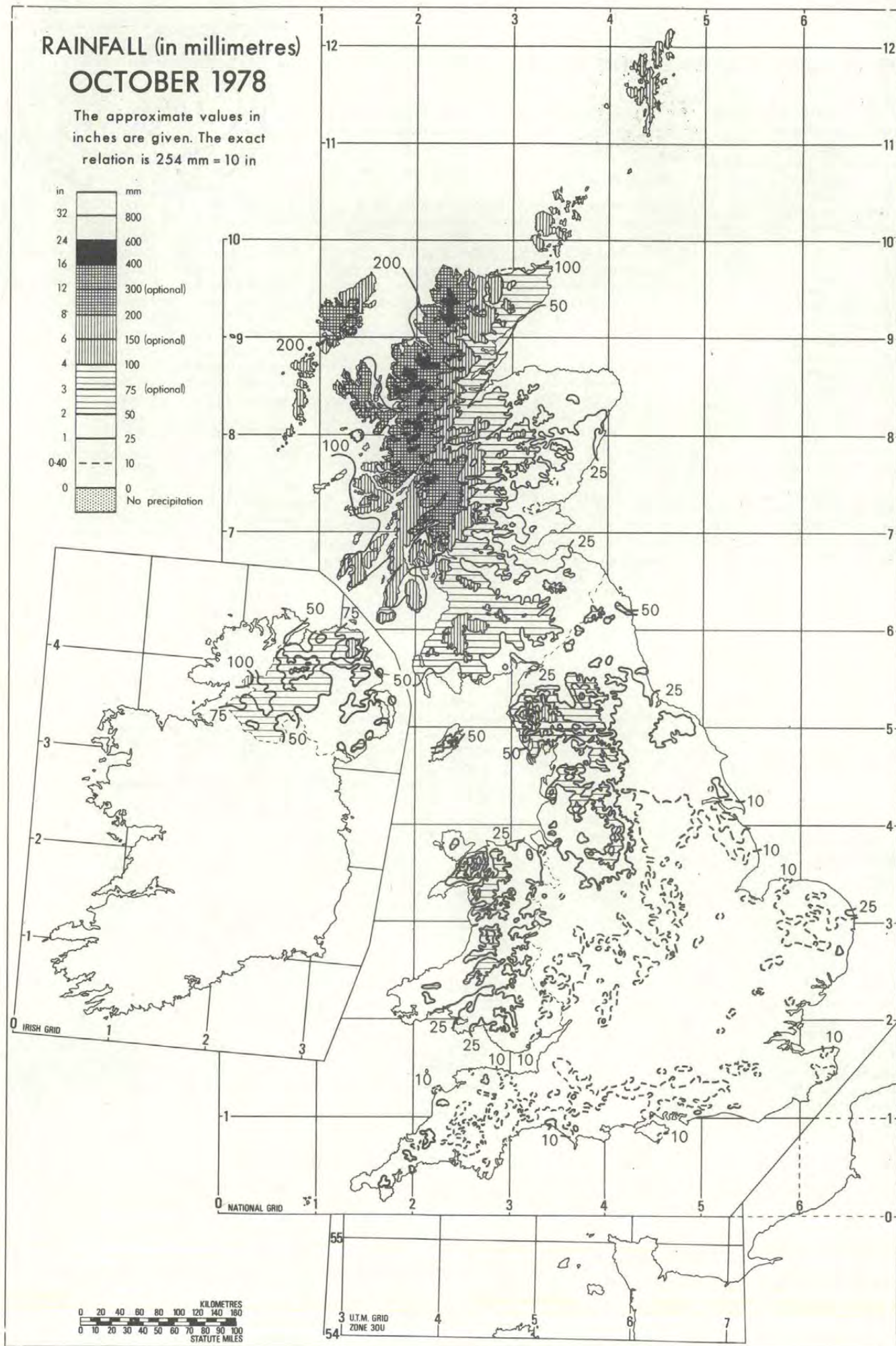
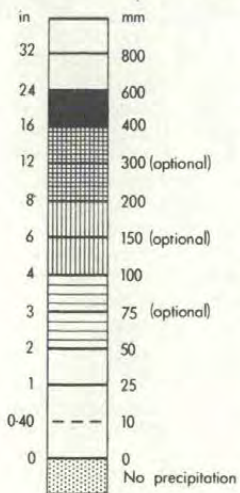
District	air temperature °C					mean 30-cm earth temp °C	rain- days	rainfall	sun- shine
	Highest Max*	Lowest Min*	max.	min.	mean				
			difference from average						
0 Scotland N	20.1	0.5	+0.4	+0.5	+0.4	+0.1	+3	87	88
1 Scotland E	20.5	−2.0	+1.1	+1.9	+1.5	+1.2	−3	37	96
2 England E & NE	24.6	−2.4	+1.2	+1.3	+1.3	+0.8	−5	32	92
3 East Anglia	24.9	0.5	+1.0	+1.0	+1.0	+0.4	−5	11	89
4 Midland Counties	24.9	−0.3	+1.4	+1.3	+1.3	+0.7	−8	20	87
5 England SE & Central S	24.6	−0.4	+1.2	+0.6	+0.9	+0.2	−7	9	97
6 Scotland W	19.6	−2.0	+0.9	+1.8	+1.4	+1.1	+1	60	88
7 England NW & Wales N	22.4	1.0	+1.0	+1.9	+1.5	+0.7	−3	42	90
8 England SW & Wales S	24.0	0.3	+1.2	+1.1	+1.2	+0.8	−8	13	92
N Ireland	19.2	4.0	+1.1	+2.1	+1.5	+1.5	−1	46	112
Scotland	20.5	−2.0	+0.8	+1.4	+1.1	+0.8	0	61	91
England & Wales	24.9	−2.4	+1.2	+1.2	+1.2	+0.6	−6	21	91

\*Highest maximum and lowest minimum of District Value Stations



# RAINFALL (in millimetres) OCTOBER 1978

The approximate values in inches are given. The exact relation is 25.4 mm = 10 in





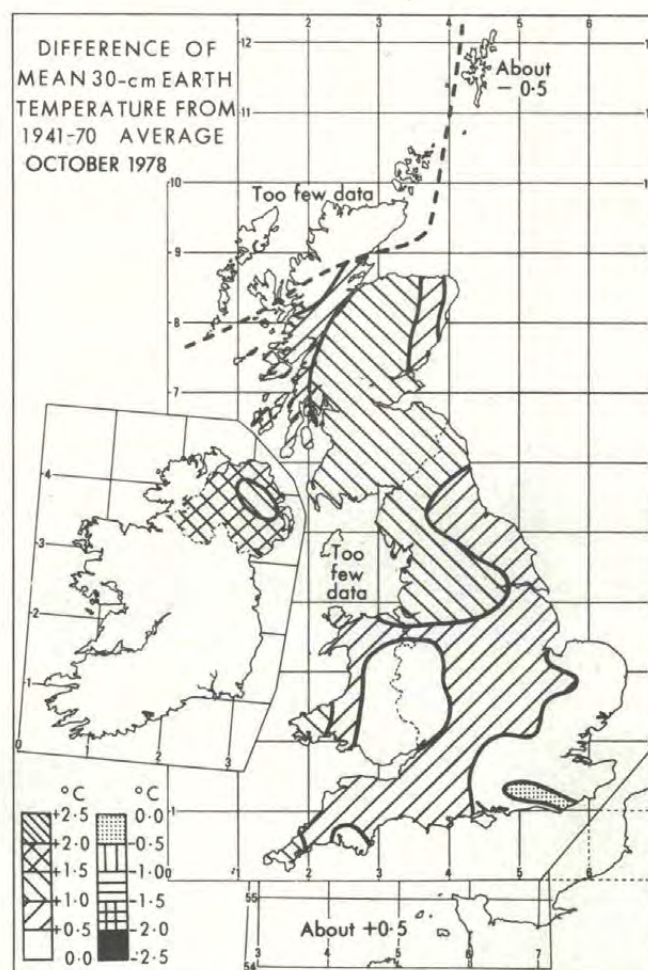
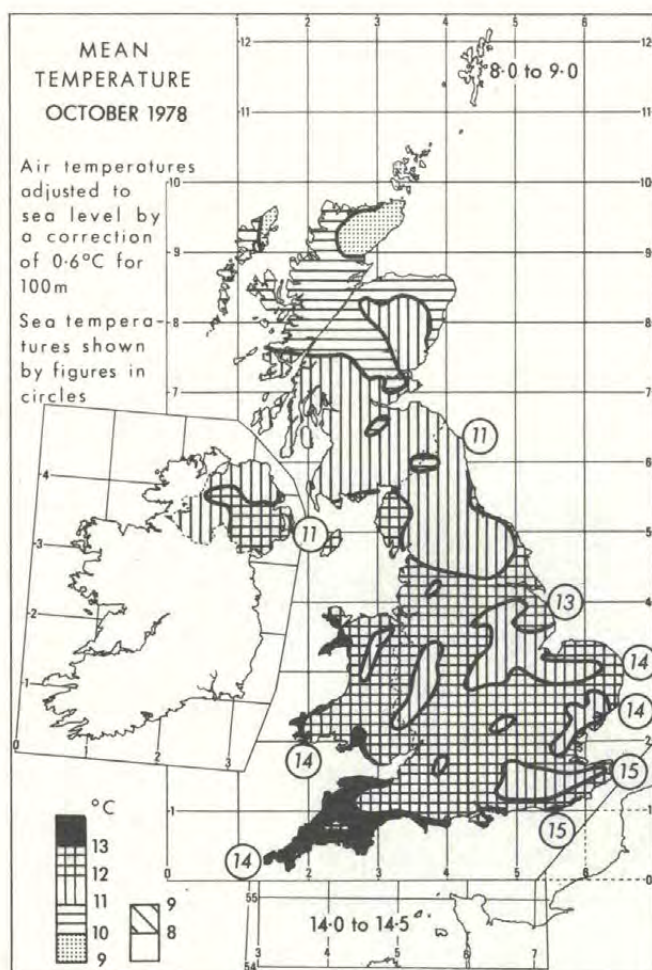
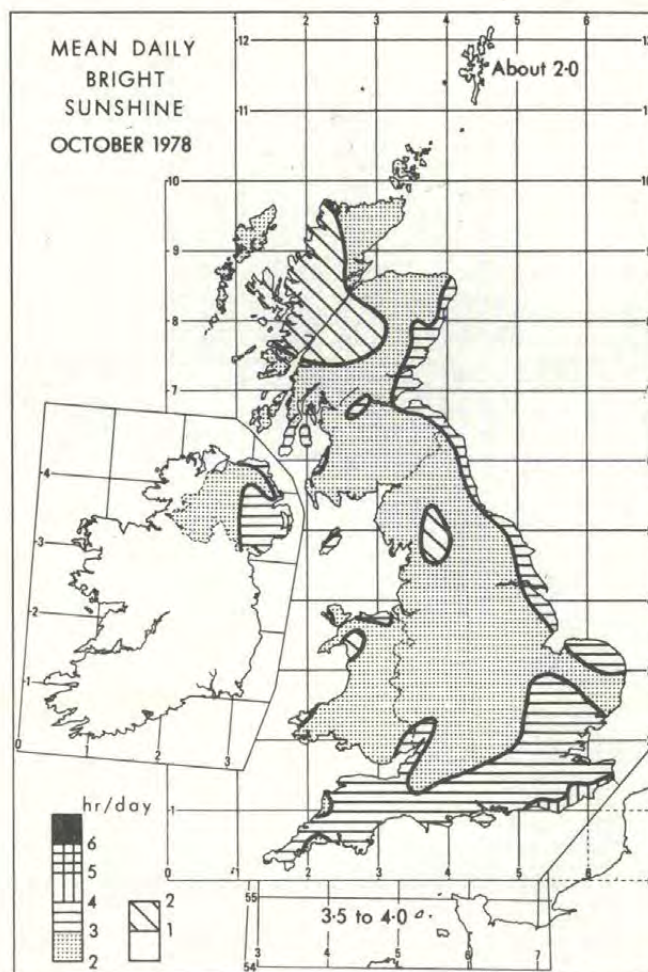
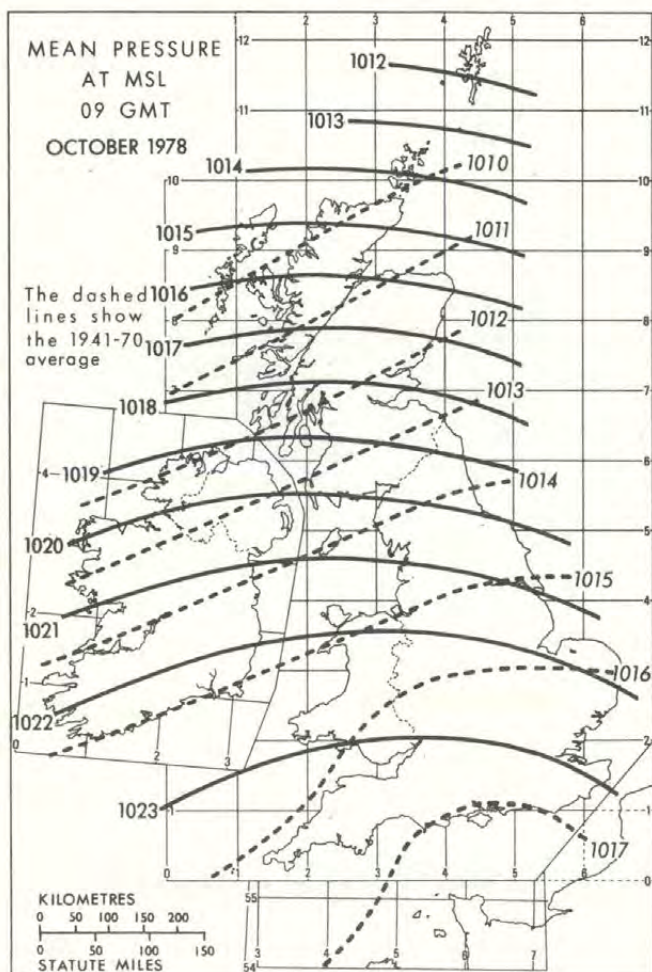




TABLE 2 SOLAR RADIATION

OCTOBER 1978

STATION	DAILY GLOBAL IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)						DAILY DIFFUSE IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	10.1	2	0.3	27.29	3.8	30	4.4	1	0.3	27	2.4	30
ABERDEEN UNIVERSITY	9.5	3	0.9	15	4.9	31						
ESKDALEHUIR	11.4	1	0.9	31	4.6	31	5.4	1	0.9	31	2.9	31
MOOR HOUSE	12.5	7	0.6	24	4.1	31						
SUTTON BONINGTON												
GRAHAM WATER	11.9	7	1.6	19	6.0	31						
ABERPORTH	12.7	7	0.8	30	5.2	31	6.4	3	0.9	30	3.5	31
CARDINGTON	12.0	7	1.7	26	6.0	30	6.9	5	1.7	26	3.8	30
SILSOE	12.1	7	1.6	26	6.2	31	6.4	2	1.5	26	3.7	31
ROTHAMSTED												
ORSTON												
HALLINGFORD	11.6	7	1.0	26	5.4	31						
LONDON WEATHER CENTRE	12.6	7	2.0	30	6.4	28	5.6	2	1.9	30	3.6	28
KEM	12.6	7	1.9	26	6.0	31	6.1	2	2.0	26	3.8	31
EASTHAMPTON	12.9	7	1.8	26	6.0	28	5.4	10	1.8	26	3.7	28
EAST HALLING	13.7	7	1.2	27	7.4	31						
RUSTINGTON												
WAREHAM	13.4	6	0.9	15	6.8	31						
JERSEY AIRPORT	14.5	7	1.3	19	7.2	31	7.0	2	1.3	19	4.4	31
ALDERGROVE	13.0	1	1.6	14	6.1	28	5.8	5.26	1.5	14	3.8	28

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

OCTOBER 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(10MT) 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																							
D SCOTLAND N																																	
SHEPHERD																																	
BALTRAND	9 9	24	10.7	5.2	7.9	-0.5	13.7	7	1.2	21	8.6	-	92	76	11	5	23	19	3	0	0	0	0	1	0	-	-	5	2.18	117	-		
FAIR ISLE	9 9	57	10.9	7.8	9.3	-	13.6	12	3.1	20	9.4	9.5	103	-	30	4	23	16	1	0	4	1	1	3	0	3	-	8	2.63	-	-		
LERWICK	21-9	82																															
PSYCHROMETER			10.1	6.7	8.4	-	13.5	7	2.3	26	-	-	99	-	14	4	25	18	2	0	1	1	0	2	0	3	2	3	2.11	106	-	-	
SCREEN			10.4	6.7	8.5	0.0	13.8	8	2.2	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
ORKNEY																																	
KIRKALL AIRPORT	21-9	26	11.8	7.3	9.5	+0.3	16.1	8	3.0	21.26	-	-	137	121	39	4	26	19	1	0	0	5	0	1	0	2	0	2	2.38	100	-	-	
MEYLAND	9 9	24	12.1	7.5	9.8	-	15.8	11	4.3	26	9.4	-	135	-	38	4	25	19	2	0	0	1	0	2	0	2	-	3	-	-	-		
WESTERN ISLES																																	
BENBECULA	21-9	6	12.1	8.7	10.4	+0.3	15.5	10.11	2.4	10	-	-	136	-	38	8	27	21	0	0	0	0	0	0	0	3	1	0	2.14	87	-	-	
STORMWAY	21-9	15	11.9	7.8	9.9	+0.4	15.6	11	2.0	10	-	-	165	-	25	4	26	21	0	0	1	3	2	1	0	2	0	0	2.14	88	-	-	
HIGHLAND																																	
ACHARY	9 9	107	12.5	5.6	9.1	-	17.2	11	-0.8	14	9.5	-	132	-	30	4	24	19	0	0	0	0	0	0	1	6	-	1	1.98	-	-	-	
ACHINASHALLACH	9 9	67	12.7	6.8	9.7	+0.7	20.1	11	2.1	14			366	145	59	5	26	25	0	0	0	0	0	0	0	-	-	-	-	-	-	-	
BALMACARRA	9 9	4																															
CAPE WARTH	21-9	112	11.5	7.8	9.7	+0.2	19.0	11	3.8	25	-	-	263	199	60	4	24	23	0	0	1	0	0	4	0	0	0	9	1.96	-	-	-	
CASSLEY	9 9	99	12.5	6.3	9.4	-	19.5	11	2.3	21	-	-	306	-	67	5	26	25	0	0	0	0	0	0	0	7	-	-	-	-	-	-	
CORPACH	9 9	8	13.3	7.9	(10.6)	-	19.0	11	3.6	21	-	-	141	-	19	8	25	20	0	0	0	0	0	0	0	3	-	0	-	-	-	-	
CRAIGROACH	9 9	38																															
DALCROSS	9 9	11	13.5	7.9	10.7	-	19.4	11	2.2	1	-	-	45	-	8	4	19	10	-	0	-	-	-	1	0	1	-	0	-	-	-	-	
DALWHINNIE	9 9	351	11.5	5.7	8.6	-	15.4	11	-1.7	1	-	-	75	-	12	8	23	18	1	0	0	0	0	0	2	2	-	0	1.80	-	5	-	
DIABAG	9 9	60	12.6	8.2	10.4	-	19.6	11	5.4	17.21	-	-	199	-	26	25	27	22	2	0	0	2	1	-	0	-	0	-	-	-	-	-	
DOUNREAY	9 9	21	(13.3)	6.8	(10.1)	-	19.0	11	(2.5)	21	-	-	89	94	27	4	19	16	0	0	0	0	0	0	0	1	-	2	2.28	-	-	-	
FORT AUGUSTUS	9 9	21	13.0	7.7	10.3	+1.2	19.2	11	3.1	21	-	-	98	-	13	4	23	16	0	0	0	0	0	0	0	-	-	0	1.40	73	-	-	
FORTROSE	9 9	5	13.0	-	-	-	17.8	11	-	-	-	-	40	64	6	14	20	11	-	0	-	-	-	-	-	-	-	-	2.15	81	-	-	
GEISGILL	9 9	12	12.1	-	-	-	19.1	11	-	-	-	-	237	-	34	4.8	26	24	-	-	-	-	-	-	-	-	-	-	-	1.63	-	-	
GLENMORE LODGE	9 9	341	12.5	5.8	9.1	-	17.3	7	-0.7	1	-	-	49	45	12	25	22	14	0	0	0	0	0	0	3	6	3	0	2.03	-	5	-	
GRANTOWN-ON-SPEY	9 9	229	12.9	6.1	9.5	-	18.3	11	-1.5	1	-	-	35	-	8	25	21	9	1	0	0	0	0	1	1	7	-	0	2.26	-	-	-	
HEASTE	9 9	109	12.1	7.6	9.9	-	16.1	11	2.4	21	-	-	278	-	48	5	27	23	0	0	0	1	0	2	0	0	-	2	-	-	-	-	
INVERNESS	9 9	4	13.7	8.2	10.9	-	(19.5)	11	4.4	13	-	-	42	66	8	9	16	11	0	0	0	0	0	1	0	0	-	0	2.22	-	-	-	
INVERPOLLY	9 9	14	(12.8)	(7.9)	(10.3)	-	20.4	11	3.1	10	(10.6)	-	253	-	47	8	29	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ISLE OF RHUM	9 9	5	13.1	8.5	10.8	-	16.3	11	3.4	13	11.4	11.9	279	91	36	8	28	26	0	0	0	2	1	0	0	1	-	3	-	-	-	-	
KEISS	9 9	30	12.5	6.3	9.4	-	16.5	11	1.8	21	9.6	10.1	71	-	21	4	21	14	0	0	0	2	0	0	0	2	-	1	2.64	-	-	-	
KNOCKANROCK	9 9	244																															
LADDARLIA	9 9	250	12.4	6.5	9.5	-	17.7	11	-1.4	1	-	-	33	-	5	25	19	13	2	0	0	0	0	0	2	3	-	0	-	-	-	-	
LAIRG	9 9	107	12.7	5.5	9.1	-	18.4	11	-1.5	14	9.1	9.3	141	-	32	4	24	16	0	0	0	0	0	1	1	5	-	0	-	-	-	-	
LENTAN	9 9	146	12.7	6.7	9.7	-	18.1	8	1.6	1	9.5	-	65	-	14	9	18	12	0	0	0	0	0	1	0	1	-	1	-	-	-	-	
MAIRN	9 9	6	13.7	7.0	10.3	+0.8	19.9	11	0.7	1	-	-	37	64	7	9	20	9	0	0	0	0	0	0	0	3	-	4	2.43	84	-	-	
ONICH	9 9	15	13.4	7.3	10.3	+0.6	18.5	8.11	0.5	21	-	-	204	88	18	4	29	24	-	-	-	-	-	-	0	6	-	-	1.29	64	5	-	
POOLEWE	9 9	6	12.8	8.2	10.5	-	19.2	11	2.4	10	-	-	282	-	61	8	28	26	0	0	0	1	1	0	0	0	1	-	1	1.80	-	-	-
PRABOST	9 9	67	12.1	7.4	9.7	-	17.0	11	3.6	21	-	-	241	112	50	8	30	25	0	0	0	2	2	0	0	3	-	3	1.78	-	-	-	
STRATHCONON	9 9	107																															
TARBATNESS	21-9	18	13.0	7.7	10.3	+0.7	19.7	11	4.1	22	-	-	40	-	7	4	18	10	0	0	0	0	0	1	0	-	-	0	-	-	-	-	
TOMATIN	9 9	311	12.2	6.2	9.2	-	17.2	11	-0.5	1	-	-	53	-	9	16	22	12	0	0	0	0	0	-	1	-	0	-	-	-	-	-	
TORRISDALE	9 9	27	12.8	6.8	9.8	-	19.3	11	1.4	14	-	-	105	-	25	4	22	16	0	0	0	1	0	0	0	3	-	1	2.46	-	5	-	
WICK	21-9	36	12.5	7.0	9.7	+0.4	16.5	11	1.9	21	-	-	55	75	14	4	20	12	0	0	0	2	0	0	0	5	0	0	2.45	89	-	-	



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT 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	13.6	7.1	10.3	+1.2	19.0	6	2.7	21	-	-	21	26	6	15	11	6	0	0	2	0	0	0	4	0	0	3.13	104	-	-	
BALMORAL ...	9-9	283	12.6	5.3	9.5	+1.9	16.5	11	0.2	18	-	-	23	29	6	16	14	7	0	0	0	0	0	0	2	0	0	-	-	-	-	
BANCHORY ...	9-9	94	14.4	6.8	10.6	-	19.6	12	2.4	18	-	-	21	21	6	1	13	5	0	0	0	0	0	0	2	0	0	2.75	-	-	-	
BANFF ...	9-9	24	13.7	8.4	11.1	-	18.2	11	4.7	1	-	-	25	37	5	16	14	9	0	0	0	0	0	0	4	0	0	3	-	-	-	
BRAEMAR ...	9-9	339	12.5	6.5	9.5	+2.0	15.4	11	1.0	1	-	-	28	32	6	25	17	9	0	0	0	0	0	4	0	0	1.90	88	S	-		
CLASHMOIR ...	9-9	338	12.2	6.0	9.1	-	16.2	11	1.2	1	8.8	-	39	39	9	16	16	9	1	0	0	0	0	0	1	0	0	2.85	-	-	-	
CRAIBSTONE ...	9-9	91	13.5	7.2	10.3	+1.2	18.4	6	2.4	21	9.9	10.6	24	29	6	15	12	7	0	0	0	0	0	0	1	0	0	3.17	102	-	-	
CULTERTY ...	9-9	3	13.7	6.9	10.3	-	19.4	12	2.2	21	-	-	29	43	8	15	14	9	0	0	0	0	2	0	3	0	0	3.15	-	-	-	
ELOIN ...	9-9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
FOREHILL ...	9-9	40	13.0	7.4	10.2	-	17.7	6.12	2.9	21	-	-	30	-	9	15	16	10	0	0	0	0	0	1	0	0	0	-	-	-	-	
FORRES ...	9-9	5	13.9	8.0	10.9	+1.6	19.6	11	2.8	1	11.0	11.0	30	-	5	16	17	8	0	0	0	0	0	0	2	0	0	2.22	76	-	-	
FRASERBURGH ...	21-9	19	13.1	8.4	10.7	-	17.8	9	4.5	21	-	-	30	44	8	15	13	7	0	0	0	0	0	1	0	0	0	2.91	-	-	-	
FYVIE CASTLE ...	9-9	55	13.5	6.2	9.9	-	18.0	5.11.12	1.0	1	-	-	30	37	6	16	15	10	0	0	0	0	0	0	3	0	0	4	-	-	-	
GARTLY ...	9-9	146	13.5	6.9	10.2	-	18.3	5	1.4	1	-	-	27	-	10	16	12	8	-	-	-	-	-	0	0	0	0	-	-	-	-	
GLENLIVET ...	21-9	215	13.0	6.8	9.9	-	18.6	8	0.0	1	-	-	41	51	8	16	22	10	0	0	0	0	0	0	3	1	0	2.70	-	-	-	
INVERURIE ...	9-9	54	14.2	6.5	10.3	-	19.2	12	0.5	18	-	-	24	-	7	16	13	8	0	0	0	0	0	0	5	0	0	2.82	-	-	-	
KEITH ...	9-9	106	13.8	6.1	9.9	-	19.1	11	-0.2	7	-	-	32	-	7	16	16	11	0	0	0	0	0	1	0	0	0	2.42	-	-	-	
KILLOSS ...	21-9	5	13.5	8.1	10.8	+1.3	19.9	11	2.4	1	10.9	-	29	49	6	16	14	8	0	0	0	0	0	0	1	0	0	2.43	-	-	-	
LOSSIEMOUTH ...	21-9	6	13.6	7.3	10.5	-	19.8	11	1.4	1	-	-	31	51	6	4	18	9	0	0	0	0	0	0	2	1	0	-	-	-	-	
TAYSIDE																																
ARBROATH ...	9-9	29	13.7	8.4	11.1	-	17.6	6	3.9	17	-	-	10	18	4	25	8	3	0	0	0	0	0	1	0	2	0	3.07	95	-	-	
ARDTALNAG ...	9-9	130	12.9	7.9	10.4	-	18.0	11	3.0	21	-	-	51	36	8	8	20	16	0	0	0	0	0	0	2	0	0	2.26	-	-	-	
DALL ...	9-9	232	12.7	5.8	9.3	-	16.9	11	-0.6	1	-	-	91	72	19	8	22	14	0	0	0	0	0	0	2	0	0	-	-	-	-	
DRUMMOND CASTLE ...	9-9	113	13.5	7.2	10.3	-	18.1	11	1.4	21	11.1	-	29	-	7	8	15	10	0	0	0	0	0	0	0	0	0	3.14	-	-	-	
DUNDEE ...	9-9	45	14.0	8.1	11.1	+1.6	18.0	6	3.6	17	10.7	-	13	20	5	25	9	3	0	0	0	0	0	2	0	0	0	3.23	110	-	-	
FASKALLY ...	9-9	94	13.7	6.7	10.2	-	17.7	11	1.5	1	11.1	11.9	31	35	8	25	16	10	0	0	0	0	0	0	6	0	0	-	-	-	-	
KINDROGAR ...	9-9	259	12.3	5.3	8.8	-	15.6	5	-0.3	8	-	-	31	-	8	25	14	8	0	0	0	0	0	1	1	0	0	-	-	-	-	
KINROSS ...	9-9	116	13.3	6.9	10.1	-	17.3	11	1.7	21	9.7	-	14	-	3	15	11	6	-	-	-	-	-	1	0	2	0	2.78	-	-	-	
MONTROSE ...	9-9	57	13.6	7.5	10.5	-	18.0	5	4.0	21	-	-	15	22	8	21	5	3	0	0	0	0	0	1	0	0	0	-	-	-	-	
MYLNEFIELD ...	9-9	30	13.8	7.9	10.9	-	17.6	6.11	3.7	21	10.8	11.3	12	20	5	25	9	3	0	0	0	0	0	3	0	4	0	2.92	-	-	-	
PERTH ...	9-9	23	14.2	7.3	10.7	+1.4	19.5	11	1.9	21	-	-	9	13	3	25	6	3	-	-	-	-	-	0	0	0	0	2.47	91	-	-	
STRATHALLAN ...	9-9	41	14.1	7.9	11.0	-	19.2	11	2.2	21	-	-	11	-	3	15	10	5	0	0	0	0	0	0	1	0	0	-	-	-	-	
USAN ...	21-9	30	13.5	8.2	10.9	-	18.0	6.12	3.4	17	-	-	18	-	9	21	7	3	0	0	0	0	0	1	0	0	0	3.12	-	-	-	
WHITEHILLOCKS ...	9-9	258	13.6	6.3	9.9	-	18.5	28	1.0	18	-	-	20	18	6	16	12	9	0	0	0	0	0	0	9	0	0	-	-	-	-	
FIFE																																
BELLISTON ...	9-9	82	13.6	8.3	10.9	-	19.0	11	2.9	17	11.3	-	20	30	7	25	12	5	0	0	0	0	0	1	0	2	0	-	-	-	-	
CUPAR ...	9-9	36	14.1	7.4	10.7	-	18.5	11.12	1.6	21	10.5	-	13	-	5	25	8	3	0	0	0	0	-	0	4	0	0	3.21	-	-	-	
GLENGROTHES ...	9-9	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LEUCHARS ...	21-9	10	14.1	7.6	10.9	+1.2	19.3	11	1.5	17	-	-	15	26	5	25	9	4	0	0	0	0	0	2	0	4	1	0	3.35	102	-	-
PITREAVIE ...	21-9	40	14.0	8.7	11.3	-	20.0	11	3.1	21	-	-	14	22	3	25	11	4	0	0	0	0	0	1	0	0	0	1	-	-	-	
ST ANDREWS ...	9-9	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	2	0	0	0	2.88	-	-	-	
LOTHIAN																																
BUSH HOUSE ...	9-9	184	13.3	7.6	10.5	-	20.4	11	0.8	21	10.8	11.4	22	29	5	25	14	8	0	0	0	0	0	0	2	0	0	2.65	-	-	-	
DUNBAR ...	9-9	23	14.3	8.8	11.5	+1.3	19.9	11	4.0	18	-	-	30	60	11																	



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

OCTOBER 1978

DISTRICT REGION/COUNTY AND PLACE			MAX. TERMINAL HEIGHT 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 24 H)	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 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
									MAX.	DATE	MIN.	DATE					AMOUNT (MM)	DATE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
6 SCOTLAND W																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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OCTOBER 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT 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 CH DEGREES C	100 CH DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM) DATE	PRECIP- ITATION 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							
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																									
2 ENGLAND E & NE -CONTINUED																																			
DURHAM	9 9	102	14.5	8.3	11.4	+1.6	21.5	11	1.3	18	11.6	12.2	20	38	6	15	12	5	-	0	0	0	0	0	0	0	0	0	0	2.90	95	S			
DURHAM	9 9	155	13.6	7.2	10.4	-	20.5	11	1.0	18	10.6	10.8	17	-	6	15	11	7	-	0	0	0	0	0	0	0	0	0	0	0	-	-			
WIDDYBANK FELL	9 9	513	11.0	6.2	8.6	-	16.3	11.13	0.2	18	8.7	-	75	-	16	15	21	15	-	0	0	0	0	0	0	0	0	0	0	0	2.28	-	-		
CLEVELAND	9 9	31	14.8	7.4	11.1	-	22.4	11	-0.6	18	-	-	20	44	6	15	13	6	0	0	0	0	0	0	0	0	0	0	0	0	2.49	-	-		
HARTBURN GRANGE	9 9	9	14.9	9.0	11.9	+1.2	23.4	11	2.1	18	-	-	24	49	7	15	6	5	0	0	0	0	0	0	0	0	0	0	0	0	3.28	-	-		
NORTH YORKSHIRE	9 9	33	15.1	7.7	11.4	-	22.0	12	0.3	18	-	-	13	26	4	31	10	5	0	0	0	0	0	0	0	0	0	0	0	0	2.66	95	-		
ASHKHAM BRYAN	9 9	6	15.2	8.1	11.7	-	22.2	12	1.0	18	12.1	12.7	13	28	3	31	10	6	0	0	0	0	0	0	0	0	0	0	0	0	2.52	-	-		
CAMOD	9 9	175	13.8	7.8	10.8	-	21.7	12	1.3	18	10.8	-	16	25	4	16	10	7	0	0	0	0	0	0	0	0	0	0	0	0	3.17	-	-		
HIGH MOWTHORPE	21-9	32	14.8	8.8	11.8	-	21.5	11	1.9	18	11.4	12.5	16	31	4	31	11	6	0	0	0	0	0	0	0	0	0	0	0	0	2.60	-	-		
LEEMING	9 9	395	12.0	6.9	9.5	-	19.6	11	1.6	18	10.3	-	52	36	8	24	14	11	0	0	0	0	0	0	0	0	0	0	0	0	-	-			
MALHAM TARN	9 9	44	14.6	6.3	10.5	-	21.5	12	-1.1	18	11.0	-	15	27	3	17.31	11	5	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-		
PICKERING	9 9	52	14.9	9.0	11.9	-	22.9	12	3.0	18	11.5	12.4	14	26	5	25	10	4	0	0	0	0	0	0	0	0	0	0	0	0	3.58	109	-		
SCARBOROUGH	9 9	203	13.9	7.5	10.7	-	21.9	12	2.8	2.18	10.3	-	22	30	7	25	15	5	0	0	0	0	0	0	0	0	0	0	0	0	0	3.42	-	-	
SILPHO MOOR	9 9	290	12.4	7.2	9.8	-	18.4	11	-0.8	18	10.2	-	50	-	11	31	16	11	0	0	0	0	0	0	0	0	0	0	0	0	0	1.66	-	S	
SNARZEHOPE	9 9	41	14.8	8.7	11.7	-	23.2	11	2.6	18	-	-	23	-	9	25	11	5	0	0	0	0	0	0	0	0	0	0	0	0	0	3.46	-	-	
WHITBY	9 9	60	14.1	9.2	11.7	-	21.8	11	3.2	18	-	-	19	-	9	25	11	4	0	0	0	0	0	0	0	0	0	0	0	0	0	2	-	-	
WHITBY (COASTGUARD)	21-9	19	15.1	8.4	11.7	-	22.8	12	0.7	18	11.9	12.4	15	32	4	31	11	6	0	0	0	0	0	0	0	0	0	0	0	0	0	2.77	-	-	
YORK (HESLINGTON)	9 9	19	15.1	8.4	11.7	-	22.8	12	0.7	18	11.9	12.4	15	32	4	31	11	6	0	0	0	0	0	0	0	0	0	0	0	0	0	2	-	-	
HUMBERSIDE	9 9	48	114.5	6.9	11.7	-	22.1	11	-1.0	30	-	-	18	31	7	17	9	5	0	0	0	0	0	0	0	0	0	0	0	0	3.45	-	-		
BRIDLINGTON	9 9	7	15.2	9.0	12.1	-	21.8	11	3.0	18	-	-	11	25	2	16	9	7	-	0	0	0	0	0	0	0	0	0	0	0	0	2.68	180	-	
CLEETHROPES	9 9	2	15.9	9.0	12.5	+1.5	24.6	11	1.9	18	12.0	13.2	13	28	4	17	9	5	0	0	0	0	0	0	0	0	0	0	0	0	0	3.48	113	-	
HULL	9 9	7	15.9	9.0	12.5	+1.5	24.6	11	1.9	18	12.0	13.2	13	28	4	17	9	5	0	0	0	0	0	0	0	0	0	0	0	0	0	3.48	113	-	
LINCOLNSHIRE	21-9	108	14.4	8.4	11.4	-	23.3	12	1.9	18	-	-	10	19	3	2	10	5	0	0	0	0	0	0	0	0	0	0	0	0	0	2.85	-	-	
BIMBROOK	9 9	21	15.5	7.9	11.7	-	24.7	12	-1.3	18	-	-	10	-	2	2	8	5	-	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	
CAISTON	9 9	62	15.2	7.8	11.5	+1.1	23.1	12	2.2	18	12.0	13.1	5	10	2	2	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2.89	87	-	
CRANWELL	9 9	4	15.5	8.0	11.7	-	24.2	11	0.3	18	12.1	12.7	5	-	3	2	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2.84	-	-	
KIRTON	9 9	6	15.6	7.6	11.6	+1.3	23.8	12	-2.4	18	12.4	12.7	5	-	2	2	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2.56	-	-	
LINCOLN	9 9	5	14.9	8.8	11.9	+0.9	19.5	12	2.1	18	-	-	5	11	2	2	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2.94	187	-	
SKEDNESS	9 9	4	16.2	8.4	12.3	-	24.8	11	2.2	18	-	-	3	6	1	16.26	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	-	-
SUTTON BRIDGE	9 9	4	16.2	8.4	12.3	-	24.8	11	2.2	18	-	-	3	6	1	16.26	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	-	-
WADDINGTON	21-9	68	15.3	8.5	11.9	+1.4	23.7	12	2.8	18	-	-	9	19	3	2	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0	2.71	82	-	
3 EAST ANGLIA																																			
NORFOLK	21-9	17	15.2	8.5	11.9	-	23.4	11	3.2	23	-	-	11	19	6	17	9	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	
COLTISHALL	9 9	54	15.2	9.2	12.2	+0.9	24.8	11	5.7	18	-	-	12	22	4	17	12	4	0	0	0	0	0	0	0	0	0	0	0	0	0	3.23	92	-	
CROWER	9 9	2	15.0	9.0	12.0	+0.3	19.1	5	4.8	23	12.5	13.2	10	17	3	17	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.89	179	-
GORLESTON	9 9	23	15.5	7.8	11.7	-	24.1	11	1.1	23	-	-	6	-	2	17	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.89	-	-
MARHAM	21-9	23	15.5	7.8	11.7	-	24.1	11	1.1	23	-	-	6	-	2	17	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.89	-	-
MARLEY ST BOTOLPH	9 9	46	14.8	8.1	11.5	-	23.0	11	1.5	7	11.8	-	6	-	3	17	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.97	-	-
SANTON DOWNHAM	9 9	24	15.5	6.4	10.9	-	24.2	11	-2.2	4	11.8	12.5	8	15	2	17.26	11	3	-	0	0	0	0	0	0	0	0	0	0	0	0	0	2.72	-	-
SCOLE	9 9	27	15.5	8.2	11.9	-	23.7	11	3.0	4	11.5	12.6	8	-	3	16	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.92	-	S
TERRINGTON ST CLEMENT	9 9	3	15.8	8.3	12.1	+1.4	24.6	11	2.4	2.18	11.7	-	4	9	1	26	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.91	87	-
CAMBRIDGESHIRE	9 9	53	15.9	8.4	12.1	-	24.7	11	2.6	18	-	-	5	11	2	15	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.14	-	-
BOXWORTH	9 9	12	16.2	7.9	12.1	+1.2	24.8	11	1.5	2	11.9	12.9	6	13																					



DISTRICT REGION/COUNTY AND PLACE	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		30 CM DEGREES C	100 CM DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY AMOUNT (MM)	DATE	PRECIP- ITATION 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	RAIL	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE											
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																															
4 MIDLAND COUNTIES																																									
WEST YORKSHIRE																																									
BRADFORD ... ..	9 9	134	14.4	8.4	11.4	+1.5	22.1	11	2.7	21	11.6	12.5	13	18	4	24	9	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.37	91	S				
BRAMHAM ... ..	9 9	54	14.8	8.0	11.4	-	20.8	12	1.7	18	-	-	12	23	3	15	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
HUDDERSFIELD (OKES)	21-9	232	14.0	8.2	11.1	+1.3	22.7	11	3.8	17	10.5	10.5	24	29	7	24	10	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
ILKLEY ... ..	9 9	85	14.5	7.6	11.1	+1.2	22.0	11	1.9	21	-	-	22	27	7	24	11	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.33	83	S		
PONTEFRAC ... ..	9 9	78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
TODMORDEN ... ..	9 9	160	13.9	8.1	11.0	-	22.3	11	-0.5	18	-	-	33	-	10	24	14	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
WILSDEN ... ..	9 9	262	13.3	7.7	10.5	-	22.4	11	1.8	18	-	-	25	-	9	24	11	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
SOUTH YORKSHIRE																																									
FINNINGLEY ... ..	21-9	10	15.5	8.4	11.9	-	23.2	11	0.9	18	-	-	8	18	3	16	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.72	-			
SHEFFIELD ... ..	9 9	206	14.5	8.5	11.5	-	24.1	12	3.3	18	12.1	13.0	21	-	9	24	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
DORE ... ..	9 9	131	15.3	9.2	12.3	+1.6	22.8	11.12	3.9	18	-	-	10	15	3	16	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.85	105	S		
DERBYSHIRE																																									
ASHOVER ... ..	9 9	178	14.4	8.0	11.2	-	23.5	12	0.8	18	-	-	13	-	3	16	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.39	-		
BUXTON ... ..	9 9	307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
DERBY ... ..	9 9	48	15.4	8.2	11.8	-	22.5	12	1.7	18	-	-	11	20	4	16	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.30	-			
WINGERNORTH ... ..	9 9	116	14.6	7.2	10.9	-	22.9	12	-1.2	18	11.6	-	12	-	4	16	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.69	-			
NOTTINGHAMSHIRE																																									
WANSFELD ... ..	9 9	114	14.8	8.9	11.9	+1.8	23.0	12	2.5	18	-	-	6	-	3	16	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-			
NEATHORPE ... ..	9 9	58	15.0	7.5	11.3	-	22.5	12	-0.7	18	-	-	9	-	5	16	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-			
NOTTINGHAM ... ..	9 9	59	15.4	7.8	11.6	+0.9	23.0	11.12	2.1	18	12.0	12.6	5	10	3	16	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
SUTTON BONINGTON ... ..	9 9	48	15.4	7.3	11.3	+1.0	22.7	12	-0.2	18	12.0	12.6	8	16	3	16	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.27	78	S		
WARSOP ... ..	9 9	46	15.6	7.5	11.5	-	23.1	12	-1.2	18	-	-	5	10	2	14	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.61	-		
WATNALL ... ..	21-9	117	14.9	8.4	11.7	+1.4	23.5	11	2.1	18	-	-	10	17	4	16	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.27	83	-	
STAFFORDSHIRE																																									
KEELE ... ..	9 9	179	13.9	7.8	10.9	-	20.8	11.12	2.4	18	11.2	12.0	30	44	13	16	13	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.03	-		
OKEN ... ..	9 9	125	14.7	7.8	11.3	+1.6	22.8	11	1.5	2.18	11.9	-	15	25	4	16	10	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.26	-		
PENKRIDGE ... ..	9 9	101	14.7	-	-	-	22.0	11	-	-	-	-	15	26	6	16	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.26	-		
STONE ... ..	9 9	107	14.3	7.3	10.8	-	20.8	11.12	-0.8	18	-	-	19	31	7	16	9	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.12	-		
LEICESTERSHIRE																																									
CALDECOTT ... ..	9 9	53	15.4	7.3	11.3	-	24.1	11	-0.3	18	-	-	5	10	2	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.57	-		
NEWTOWN LINFORD ... ..	9 9	119	14.8	7.5	11.1	-	23.2	12	1.0	2	-	-	10	18	3	2	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.21	-		
SALOP																																									
HAMPTON LODGE ... ..	9 9	70	15.7	7.5	11.6	-	22.4	11	-0.5	18	-	-	9	-	4	14	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.36	-			
NEWPORT ... ..	9 9	64	15.1	7.7	11.4	+1.5	22.2	11	-0.3	18	-	-	17	30	5	16	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.46	91	S	
OSWESTRY ... ..	9 9	174	14.4	8.6	11.5	+1.4	20.0	12	4.5	23	-	-	24	30	7	9	9	5	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.51	87	S		
PRESTON MONTFORD ... ..	9 9	67	(15.5)	-	-	-	21.7	11	-	-	(12.2)	(12.9)	20	-	7	9	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.16	-		
SHAWBURY ... ..	21-9	72	15.3	7.9	11.6	+1.4	22.6	11	1.4	18	12.8	13.7	16	28	6	9	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.37	83	-	
SHREWSBURY ... ..	9 9	56	-	8.2	-	-	-	-	1.9	18	-	-	18	35	6	9	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.42	85	-	
WEST MIDLANDS																																									
BIRMINGHAM	21-9	163	14.7	9.1	11.9	+1.2	22.6	11	3.5	18	11.5	-	14	22	5	14	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.51	89	-	
EDGBASTON ... ..	21-9	96	15.1	7.8	11.5	+1.3	22.1	12	-0.3	18	-	-	6	-	2	16	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.48	84	-
ELMDON AIRPORT ... ..	9 9	137	15.1	7.9	11.5	-	22.1	11	1.8	2	-	-	8	13	5	14	5	2	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
KING EDWARD S SCHOOL	9 9	81	15.6	6.8	11.2	-	23.0	12.13	0.5	2	12.0	12.4	5	-	2	16	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.56	-		
COVENTRY AIRPORT	9 9	81	15.6	6.8	11.2	-	23.0	12.13	0.5	2	12.0	12.4	5	-	2	16	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.56	-		
WARWICKSHIRE																																									
LUDINGTON ... ..	9 9	56	15.8	-	-	-	23.0	12	-	-	-	-	7	-	2	14	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.72	-	
MORETON MORRELL ... ..	9 9	85	15.5	7.7	11.6	-	23.7	11	0.5	2	-	-	5	11	2	16	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.33	-	
RUGBY ... ..	9 9	116	15.2	7.7	11.5	+1.2	22.9	12	0.3	2	11.7	12.8	7	13	3	16	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SHIPSTON-ON-STOUR ... ..	9 9	111	15.7	8.1	11.9	+1.4	23.1	12	-0.4	2	11.9	-	7	12	2	14	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.96	92	-
STRATFORD-UPON-AVON ... ..	9 9	49	16.1	6.9	11.5	+1.1	23.2	11	-0.8	2	12.7	-	9	17	2	14	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.49	83	-
WELLESBOURNE ... ..	9 9	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
NORTHAMPTONSHIRE																																									
BUGBOOKE MILLS ... ..	9 9	76	-	-	-	-	-	-	-	-	-	-	5	-	2	16	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0</									



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DISTRICT REGION/COUNTY AND PLACE	MAX. OF TERMINAL HEIGHT) 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	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
5 ENGLAND SE & CENTRAL S.																													
GREATER LONDON																													
BROMLEY ... ..	9 9	65	16.3	8.1	12.2	+0.9	23.0	11.12	3.0	18	-	-	4	7	1	17	8	2	-	-	-	-	-	-	-	-	-		
GREENWICH ... ..	9 9	7	16.5	8.7	12.6	-	25.2	11	3.8	4.23	-	-	3	5	1	20	6	3	0	0	0	0	0	0	0	0	0		
HAMPSTEAD ... ..	9 9	137	15.8	8.2	12.0	+1.1	24.2	11	3.5	18	-	-	7	12	3	17	5	3	0	0	0	0	0	0	0	0	0		
HAMPTON ... ..	9 9	12	16.6	8.1	12.3	+0.7	24.5	12	2.5	18	-	-	3	5	1	15	7	1	0	0	0	0	0	0	0	0	0		
HARROW WEALD ... ..	9 9	98	16.2	7.9	12.1	-	24.0	11	1.8	28	13.3	14.0	4	-	2	15	6	1	0	0	0	0	0	0	0	0	0		
HEATHROW AIRPORT ... ..	21-9	25	17.1	8.6	12.9	+1.4	24.8	11	3.3	29	-	-	2	3	<1	15	4	0	0	0	0	0	0	0	0	0	0		
KENSINGTON PALACE ... ..	9 9	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
KEN	21-9	5	16.5	7.1	11.8	-	24.3	11	0.8	23	12.3	13.0	2	4	<1	20	6	0	0	0	0	0	0	0	0	0	0		
PSYCHROMETER ... ..			16.4	8.7	12.5	+0.9	24.3	11	3.7	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
NORTH WALL SCREEN ... ..			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
LONDON																													
WEATHER CENTRE (X) ... ..	21-9	77	16.9	10.8	13.9	-	25.2	11	5.8	18	-	-	6	-	3	15	7	1	0	0	0	0	0	0	0	0	0		
ST JAMES PARK ... ..	9 9	9	16.6	9.4	13.0	+0.9	24.3	11	5.0	4	-	-	6	13	2	15	8	4	0	0	0	0	0	0	0	0	0		
SOUTHGATE ... ..	9 9	67	16.2	8.5	12.3	+1.0	24.5	11	3.4	18	12.6	-	6	10	1	15	10	1	0	0	0	0	0	0	0	0	0		
WADDON ... ..	9 9	59	17.6	7.3	12.5	+1.2	24.5	11.12	2.0	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
MILTSIRE																													
BOSCOMBE DOWN ... ..	21-9	126	15.9	7.5	11.7	+1.0	23.7	12	0.6	29	12.6	13.2	4	5	1	17	6	1	0	0	0	0	0	0	0	0	0		
LACOCK ... ..	9 9	49	116.0	6.6	11.3	-	22.9	11	-0.9	18	-	-	3	4	1	2	4	1	0	0	0	0	0	0	0	0	0		
LARKHILL ... ..	9 9	132	15.9	7.2	11.5	+1.0	23.9	12	0.0	29	-	-	3	4	<1	2	6	0	0	0	0	0	0	0	0	0	0		
LYNEHAM ... ..	21-9	145	15.3	8.1	11.7	+1.2	22.8	12	2.0	18	-	-	5	8	2	2	6	0	0	0	0	0	0	0	0	0	0		
PORTON ... ..	9 9	111	15.9	7.1	11.5	+1.0	24.2	12	-0.1	29	12.1	-	5	7	1	15	6	2	0	0	0	0	0	0	0	0	0		
TROWBRIDGE ... ..	9 9	37	15.9	7.2	11.5	-	23.4	11	-0.2	2	12.7	-	7	-	3	15	6	3	0	0	0	0	0	0	0	0	0		
UPAVON ... ..	21-9	179	15.7	7.9	11.8	-	24.5	12	1.1	18	-	-	3	4	1	17	5	1	0	0	0	0	0	0	0	0	0		
BERKSHIRE																													
EASTHAMPSTEAD ... ..	9 9	77	16.0	6.6	11.4	-	23.8	12	-2.1	18	11.9	12.4	2	-	<1	17	5	0	0	0	0	0	0	0	0	0	0		
HURLEY ... ..	9 9	43	16.2	6.2	11.1	-	24.0	12	1.7	29	11.6	-	4	6	1	17	9	1	0	0	0	0	0	0	0	0	0		
LANBOURN (WARREN FARM) ... ..	9 9	192	15.4	7.8	11.6	-	23.4	12	1.9	29	11.9	-	6	-	2	15	7	3	0	0	0	0	0	0	0	0	0		
READING ... ..	9 9	66	16.3	7.6	11.9	-	23.8	12	2.0	18.29	12.2	13.0	4	-	3	17	4	1	0	0	0	0	0	0	0	0	0		
SHINFIELD (N.I.R.D.) ... ..	9 9	62	16.3	7.4	11.9	-	24.0	12	1.7	18.29	-	-	5	-	3	17	4	1	0	0	0	0	0	0	0	0	0		
SURREY																													
WISLEY ... ..	9 9	32	16.7	6.9	11.8	+0.9	24.6	12	-0.4	18	12.0	13.1	4	6	<1	3	10	0	0	0	0	0	0	0	0	0	0		
KENT																													
DOVER R.M.S. ... ..	9 9	123	-	9.0	-	-	-	-	4.6	18	-	-	12	13	5	17	5	3	1	0	0	0	0	0	0	0	0		
DUNGENESS ... ..	9 9	6	15.7	10.0	12.9	-	19.0	12	4.3	4	-	-	7	10	3	9	4	2	0	0	0	0	0	0	0	0	0		
EAST MALLING ... ..	9 9	52	16.4	7.2	11.8	+1.1	24.0	11	2.9	31	12.2	13.0	3	5	1	26	8	1	0	0	0	0	0	0	0	0	0		
EDENBRIDGE ... ..	9 9	45	16.3	-	-	-	23.6	11	-	-	-	-	5	-	2	15	6	2	-	-	-	-	-	-	-	-			
ELSTONE ... ..	9 9	5	16.5	6.4	11.5	-	24.7	11	0.7	3	-	-	8	12	4	1	7	2	0	0	0	0	0	0	0	0	0		
FAVERSHAM ... ..	9 9	48	15.9	8.2	12.1	-	24.0	11	4.0	28	12.2	13.2	3	5	2	17	4	2	0	0	0	0	0	0	0	0	0		
FOLKESTONE ... ..	9 9	31	15.9	7.8	11.9	-	21.4	12	2.7	19	-	13.6	9	12	4	1	3	3	0	0	0	0	0	0	0	0	0		
GILLINGHAM ... ..	9 9	3	16.8	9.3	13.1	-	24.8	11	4.5	18	-	-	4	7	2	17	6	1	-	-	-	-	-	-	-	-			
GOUDHURST ... ..	9 9	85	15.6	7.1	11.3	+0.8	21.8	11	1.5	23	-	-	4	5	1	9	6	1	0	0	0	0	0	0	0	0	0		
HADLOW COLLEGE ... ..	9 9	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
HERNE BAY ... ..	9 9	31	15.7	8.9	12.3	-	23.5	11	3.5	3	12.8	-	7	-	4	17	9	1	0	0	0	0	0	0	0	0	0		
HANSTON ... ..	21-9	44	15.6	9.2	12.4	-	22.1	11	5.2	18	-	-	9	13	3	17	6	2	0	0	0	0	0	0	0	0	0		
HARDATE ... ..	9 9	16	15.1	10.6	12.9	+0.4	20.9	11	7.6	24	12.8	13.7	6	10	2	1.17	5	3	0	0	0	0	0	0	0	0	0		
ULCOMBE ... ..	21-9	47	16.5	7.0	11.7	-	24.0	12	2.1	24	-	-	5	-	2	17	7	2	0	0	0	0	0	0	0	0	0		
WYE ... ..	9 9	56	16.1	7.2	11.7	+0.6	24.3	12	3.7	3	12.4	13.1	5	7	2	17	7	2	0	0	0	0	0	0	0	0	0		
HAMPSHIRE																													
ALICE HOLT LODGE ... ..	9 9	115	15.7	6.9	11.3	+0.8	24.0	12	0.6	29	-	-	8	11	4	17	6	2	0	0	0	0	0	0	0	0	0		
EVERTON ... ..	9 9	16	16.1	8.9	12.5	-	22.1	12	2.1	18	-	-	6	7	3	31	3	2	0	0	0	0	0	0	0	0	0		
HAYLING ISLAND ... ..	9 9	4	15.8	9.8	12.8	-	20.6	12	4.6	18.19	-	-	5	8	1	22.31	6	3	0	0	0	0	0	0	0	0	0		
LECKFORD ... ..	9 9	117	15.9	7.3	11.6	+0.9	24.0	12	0.9	29	11.5	-	9	10	3	17	7	3	0	0	0	0	0	0	0	0	0		
LONG SUTTON ... ..	9 9	145	115.7	7.8	11.7	-	24.0	12	0.6	18	12.2	13.2	9	11	3	17	9	2	0	0	0	0	0	0	0	0	0		
MARTYR WORTHY ... ..	9 9	84	16.4	6.7	11.5	-	25.2	12	1.0	29	-	-	9	10	5	15	6	2	0	0	0	0	0	0	0	0	0		
SOUTHAMPTON																													
MAYFLOWER PARK ... ..	9 9	3	16.4	9.0	12.7	+0.8	20.9	12	3.0	29	13.5	15.0	6	-	3	31	6	2	0	0	0	0	0	0	0	0	0		
WEATHER CENTRE (X) ... ..	21-9	19	16.3	9.7	13.0	-	21.8	11	3.6	29	-	-	6	-	3	31	6	2	0	0	0	0	0	0	0	0	0		
SOUTHSEA ... ..	9 9	2	16.1	10.4	13.3	+0.8	20.8	12	5.2	18	13.6	14.4	4	6	1	22	7	1	0	0	0	0	0	0	0	0	0		
SPARSHOLT ... ..	9 9	113	115.9	7.3	11.6	-	24.0	12	0.9	30	-	-	16	-	10	15	6	3	0	0	0	0	0	0	0	0	0		
ISLE OF WIGHT																													
RYDE ... ..	9 9	4	15.7	10.5	13.1	+0.8	20.0	12	4.8	29	-	-	5	6	1	17	6	2	0	0	0	0	0	0	0	0	0		
ST CATHERINES POINT ... ..	9 9	16	15.5	11.2	13.3	+0.6	19.4	12	4.9	18	-	-	4	5	3	17	2	1	0	0	0	0	0	0	0	0	0		
SANDOWN ... ..	9 9	4	15.9	9.5	12.7	+0.1	19.4	12	3.4	29	-	-	13	17	5	20	4	4	0	0	0	0	0	0</					



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

OCTOBER 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL (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	PRECIP- ITATION	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		
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																							
7A ENGLAND NW & I.O.M.																																	
CUMBRIA																																	
CARLISLE ...	21-9	26	14.3	9.2	-11.7	-	19.3	11	0.1	18	12.2	12.7	30	36	7	15	12	8	0	0	0	0	0	0	0	3	0	0	2.26	-	-	-	
CARTMEL ...	9-9	35	14.2	8.5	-11.3	-	19.7	13	-1.0	18	-	-	48	-	13	31	15	9	0	0	0	0	0	0	1	-	-	0	0	-	-	-	
GRIZEDALE ...	9-9	91	(14.3)	7.1	(10.7)	-	20.9	13	-1.0	18	11.3	-	(71)	37	(12)	31	(18)	(15)	0	0	1	0	0	2	1	4	-	1	1.91	-	-	-	
MOOR HOUSE ...	9-9	556	10.4	5.5	7.9	-	16.2	12.13	-1.9	21	8.5	-	103	54	17	15	22	16	1	0	1	0	0	3	2	9	-	0	1	-	-	-	
NEWTON RIGG ...	9-9	171	13.8	8.3	11.1	+1.8	19.0	12	1.0	18	11.2	-	47	50	12	15	14	10	0	0	0	0	0	0	0	2	-	0	2.08	73	S	-	
SELLAFIELD ...	9-9	13	(14.9)	10.2	(12.5)	-	19.5	11.13	3.8	18	-	-	61	57	23	9	14	9	-	0	-	-	-	2	0	1	-	-	2.19	-	-	-	
LANCASHIRE																																	
HAZELRIGG ...	9-9	95	14.0	9.5	-11.7	-	19.6	11	3.9	18	-	-	45	-	7	14	12	9	0	0	0	1	0	2	0	1	-	0	2.15	-	-	-	
HEALSHORE ...	9-9	260	13.0	8.1	10.5	-	20.3	12	2.0	18	11.1	-	67	47	17	24	15	12	0	0	0	0	0	9	0	1	-	0	2.19	-	-	-	
KIRKHAM ...	9-9	24	14.6	9.5	12.1	-	19.5	8	0.8	18	-	-	43	46	9	14	15	11	0	0	0	0	0	1	0	1	-	0	2.59	-	-	-	
MORECAMBE ...	9-9	7	14.6	10.0	12.3	+1.4	19.8	8	2.8	18	-	-	40	39	7	15	12	9	0	0	0	0	0	0	0	-	-	0	(2.05)	(69)	-	-	
PRESTON ...	9-9	33	14.5	9.4	11.9	-	19.9	12	0.8	18	-	-	45	45	9	16	15	9	0	0	0	0	0	1	0	1	-	0	-	-	-	-	
SLADBURN ...	9-9	192	13.6	7.9	10.7	-	19.4	11.12	0.2	18	-	-	55	36	11	16	16	12	0	0	0	0	0	0	0	2	-	0	1.91	-	-	-	
SQUIRES GATE AIRPORT	21-9	10	14.9	10.0	12.5	+1.6	19.8	8	1.2	18	-	-	44	51	12	16	14	11	0	0	0	0	0	0	0	1	0	0	2.99	96	-	-	-
STONTHURST ...	9-9	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERSEYSIDE																																	
ROBURN ...	9-9	12	15.1	10.0	12.5	-	20.3	11	4.2	18	-	-	29	-	8	16	14	8	0	0	0	2	0	4	0	1	0	0	2.35	-	-	-	-
BIDSTON ...	9-9	60	14.5	10.2	12.3	-	19.1	8	7.6	7.23.30	-	-	31	-	9	14	13	7	0	0	1	0	0	1	0	0	-	0	2.82	-	-	-	-
ST HELENS ...	9-9	76	14.8	9.1	11.9	-	20.5	11	3.5	18	11.8	-	42	-	9	16	16	11	0	-	0	0	0	0	0	-	-	0	2.45	-	-	S	-
SOUTHPORT ...	9-9	5	14.7	9.4	12.1	+1.4	19.9	8	2.1	18	11.9	12.6	38	46	10	14	14	10	-	-	-	-	-	-	1	-	-	0	2.65	84	-	-	-
WEST KIRBY PARK ...	9-9	7	15.8	10.2	13.0	+1.9	20.9	12	6.4	2	-	-	29	43	8	14	16	6	-	0	-	-	-	-	0	0	-	-	-	-	-	-	-
GREATER MANCHESTER																																	
BOLTON ...	9-9	107	(14.0)	(8.5)	(11.3)	-	21.0	12	1.0	18	11.6	12.0	48	-	11	16	13	9	0	0	0	0	0	2	0	-	-	0	1.97	76	S	-	-
MANCHESTER																																	
RINGWAY AIRPORT	21-9	75	14.6	9.5	12.1	+1.6	22.4	11	2.2	18	-	-	26	35	9	16	10	8	0	0	0	0	0	2	0	1	0	0	2.32	78	-	-	-
WEATHER CENTRE (X)	21-9	69	15.2	10.5	12.9	-	23.5	11	4.0	18	-	-	32	-	8	16	10	8	0	-	0	0	0	0	0	-	-	0	2.15	-	-	-	-
CHESHIRE																																	
KNUTSFORD ...	9-9	65	15.2	8.0	11.6	-	22.4	11	0.6	18	12.4	12.9	28	38	8	24	11	9	0	0	0	0	0	0	0	1	-	0	-	-	-	-	
MACCLESFIELD ...	9-9	152	14.1	8.6	11.3	+1.2	22.1	11	1.3	18	-	-	40	49	14	24	12	8	0	0	0	1	0	3	0	-	-	0	-	-	-	-	
NESS GARDENS ...	9-9	30	15.2	8.9	12.1	-	20.1	8	4.1	18	12.1	-	23	37	7	16	10	6	0	0	0	0	0	1	0	1	-	0	2.71	-	S	-	-
ISLE OF MAN																																	
DOUGLAS ...	9-9	85	13.9	10.2	12.1	+1.4	18.7	13	6.6	18	-	-	42	36	9	16	17	10	0	0	0	0	0	0	0	0	-	0	(3.21)	(105)	-	-	-
POINT OF AYRE ...	21-9	9	14.6	10.2	12.4	+0.9	18.2	6	5.6	31	-	-	36	42	6	24	15	9	0	0	0	0	0	1	0	-	2	0	2.85	93	-	-	-
RONALDSWAY AIRPORT	21-9	16	14.3	10.6	12.5	+1.4	17.6	13	6.3	1	-	-	38	43	8	16	14	9	0	0	0	1	0	1	0	0	0	0	3.36	110	-	-	-
7B WALES N																																	
GWYNEDD																																	
BALA ...	9-9	163	14.4	7.3	10.9	-	21.5	11	-0.2	23	11.8	12.8	34	27	7	31	14	8	0	0	0	0	0	3	2	5	2	0	2.24	-	-	-	-
BARDSEY ISLAND ...	21-9	15	14.3	11.6	12.9	-	17.1	11	9.2	17	-	-	38	42	13	31	10	4	0	0	0	0	0	1	0	0	0	0	2	-	-	-	-
BETHS-Y-COED ...	9-9	20	15.5	8.6	12.1	-	20.4	12	2.8	18	12.2	-	31	-	10	31	11	7	0	0	0	0	0	1	0	0	-	0	-	-	-	-	-
BOTHMNOG ...	9-9	34	15.2	10.4	12.8	-	19.2	11	4.5	23	12.9	13.8	45	40	13	9	15	8	0	0	0	0	0	3	0	0	-	0	2.24	-	-	-	-
CHWYSTROLLYN ...	9-9	204	14.7	9.3	12.0	-	20.5	11	5.0	23	-	-	112	-	30	9	12	11	-	-	-	-	-	-	-	-	-	-	1.80	-	-	-	-
LLYN ALAN ...	9-9	44	14.7	9.3	12.0	-	21.0	11	1.0	1	-	-	46	-	12	9	15	10	-	-	-	-	-	-	0	-	-	-	2.86	-	-	-	-
PEN-Y-FFRIDD ...	9-9	84	15.1	9.7	12.4	-	22.6	11	5.0	18	-	-	50	44	12	31	12	11	0	0	0	0	0	2	0	0	-	0	2.90	-	S	-	-
TRAFSFYDD ...	9-9	193	(14.5)	(8.7)	(11.6)	-	22.1	11	2.9	18	-	-	45	26	10	31	14	12	-	-	-	-	-	-	0	0	0	0	(6)	(0)	-	-	-
VALLEY ...	21-9	10	14.9	11.0	12.9	+1.4	19.2	12	5.5	18	-	-	37	43	10	9	13	8	0	0	0	1	1	1	0	0	0	0	3.05	91	-	-	-
CLWYD																																	
ALLEN ...	9-9	335	13.4	6.3	9.9	-	20.0	12	-0.2	18	-	-	42	35	10	16	12	12	2	0	1	0	0	3	1	8	-	0	-	-	-	-	-
BWLCHGWYN ...	9-9	386	12.7	7.2	9.9	-	18.2	12	2.0	18	9.8	-	42	42	14	16	15	12	0	0	0	0	0	5	0	2	-	0	-	-			



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT 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 24 H)	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																	
8A WALES S CONTINUED																																	
WEST GLAMORGAN																																	
MUMBLES HEAD	21-9	36	15.4	11.5	13.5	-	21.0	12	5.7	18	-	-	25	20	12	2	9	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NEATH	9 9	62	15.9	9.7	12.8	-	23.2	12	2.8	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PENRHEN	9 9	87	15.6	10.2	12.9	-	22.4	12	4.7	18	13.3	14.0	28	23	11	31	10	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PORT TALBOT	9 9	5	16.8	9.8	13.3	-	24.0	12	1.7	23	-	-	20	19	10	2	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SWANSEA	9 9	10	15.9	10.1	13.0	+0.9	22.0	12	4.5	18	13.4	14.5	18	16	5	2	9	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WHITEFORD BURROWS	9 9	5	16.0	9.7	12.9	-	22.8	12	0.5	18	-	-	26	-	8	2	10	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MID GLAMORGAN																																	
ABERDARE FILTER STATION	9 9	174	14.9	8.2	11.5	-	22.0	12	1.1	18	-	-	14	-	4	14	10	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CILFYNYDD	21-9	194	14.8	8.3	11.5	-	21.8	11	1.0	18	-	-	35	-	23	2	10	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LLWYNON	9 9	241	14.5	6.6	10.5	-	22.2	12	0.4	18	-	-	22	13	5	14	12	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PORTHAWL	9 9	6	16.3	9.9	13.1	-	22.5	12	3.4	18	-	-	15	16	7	2	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SOUTH GLAMORGAN																																	
BRIDGEND	9 9	40	16.1	8.8	12.5	-	21.5	12	1.4	18	13.6	14.1	20	-	6	2	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CARDIFF (BUTE PARK)	9 9	9	16.6	9.0	12.8	-	21.5	12	2.4	23	13.1	13.7	12	-	6	14	10	3	0	-	-	-	-	-	-	-	-	-	-	-	-	-	
RHOSE AIRPORT	21-9	67	15.7	9.3	12.5	-	21.3	11	3.3	2.18	-	-	11	-	3	14	9	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GWENT																																	
CRUMBLAND	9 9	245	14.9	8.1	11.5	-	21.0	11	2.2	18	11.4	12.0	5	5	2	14	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
USK	9 9	21	17.3	5.5	11.4	+0.9	24.5	11.12	-2.5	18	13.3	-	7	8	3	2	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8B ENGLAND SW																																	
AVON																																	
BATH	9 9	118	15.8	-	-	-	23.0	12	-	-	13.0	-	3	4	1	14	4	2	-	0	-	-	-	-	-	-	-	-	-	-	-	-	
FILTON	21-9	59	16.2	8.2	12.2	+1.1	23.1	11	-0.2	2	-	-	5	7	2	14	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LONG ASHTON	9 9	51	16.3	8.3	12.3	+1.2	23.7	12	0.4	18	12.6	-	4	5	1	14	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SOMERSET																																	
CANNINGTON	9 9	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CREWKERNE	9 9	101	15.7	8.6	12.1	-	23.1	12	2.8	18	12.6	-	7	-	2	15	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DOWNSIDE ABBEY	9 9	183	14.9	8.3	11.6	-	22.0	12	1.4	18	-	-	10	11	4	15	7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
EXTON	21-9	329	14.7	8.2	11.5	-	23.0	12	1.9	18	-	-	13	-	3	14	12	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HAWKRIIDGE	9 9	314	14.0	7.8	10.9	-	21.4	12	0.5	2.18	-	-	16	11	4	14	11	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NETTLECOMBE	9 9	96	16.5	-	-	-	24.3	12	-	-	13.1	-	6	-	3	14	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NETTLECOMBE (BIRDS HILL)	9 9	280	14.7	9.0	11.9	-	22.5	12	5.2	18	-	-	6	-	3	14	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
RODNEY STONE	9 9	40	15.7	8.5	12.1	-	24.1	12	2.4	18	13.3	13.8	10	13	3	17	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WINCANTON	9 9	113	15.6	7.6	11.6	-	23.1	12	0.7	18	-	-	8	10	2	2.14	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
YEDVILTON	21-9	18	16.4	7.9	12.1	-	24.2	12	-1.3	18	-	-	6	8	2	14.16	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DORSET																																	
BOURNEMOUTH																																	
HURN AIRPORT	21-9	10	16.3	7.5	11.9	-	23.1	12	1.0	4	-	-	3	3	2	14	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEYRICK PARK	9 9	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHRISTCHURCH	9 9	3	16.1	9.0	12.5	-	22.2	12	3.0	18	-	-	3	4	3	17	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
POOLE	9 9	5	16.5	8.3	12.4	+0.7	23.5	12	2.2	18	13.6	14.3	3	3	1	14	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PORTLAND BILL																																	
(COASTGUARD)	21-9	53	15.7	11.2	13.5	+0.6	20.3	12	5.7	18	-	-	2	-	4	12	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SWANAGE	9 9	11	15.8	10.2	13.0	+0.9	19.0	10.25	2.6	18	-	14.6	6	7	3	14	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WEYMOUTH	9 9	23	16.6	9.9	13.3	-	22.3	12	2.5	18	-	-	5	-	1	2.17	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WIMFRITH	9 9	26	16.5	8.4	12.5	-	22.4	12	2.1	18	-	-	3	3	1	14	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DEVON																																	
CHARLEIGH	9 9	168	15.5	8.3	11.9	-	22.4	12	1.2	18	12.7	-	11	-	3	14	10	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EXETER AIRPORT	21-9	32	16.7	9.1	12.9	+1.5	23.7	12	0.6	2	-	-	7	10	3	14	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EXMOUTH	9 9	59	16.6	10.3	13.5	+2.0	22.2	12	4.0	18	-	-	5	7	2	2	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HARTLAND POINT	21-9	93	15.0	11.6	13.3	+1.3	20.8	11	7.4	1	-	-	9	10	3	2	7	4															



DISTRICT REGION/COUNTY AND PLACE			MAX. TERMINAL HEIGHT 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																					
NORTHERN IRELAND																																	
LONDONDERRY																																	
ADAMLOO ... ..			9 9	18	14.3	9.1	11.7	-	18.7	8	5.7	1	-	-	45	-	10	14	20	12	0	0	0	0	0	0	0	0	0	0	0	0	
BANAGHER(CRUGH HILL) ...			9 9	216	13.2	8.1	10.7	-	17.0	8	5.5	4.23	-	-	86	-	13	14	23	19	0	0	0	0	0	0	0	0	0	0	0	0	
CARNEY ... ..			9 9	73	13.8	9.1	11.5	-	18.0	7.11	6.0	1	-	-	57	-	11	14	23	18	0	0	0	0	0	0	0	0	0	0	0	0	
COLERAINE UNIVERSITY ...			9 9	23	14.3	9.1	11.7	-	18.2	8	5.3	21	12.0	12.1	50	-	10	14	18	14	0	0	0	0	0	0	0	0	0	0	0	0	
COOLKEARRIGH ... ..			9 9	3	14.7	9.3	12.0	-	19.7	7	5.0	17	-	-	54	-	11	14	18	14	0	0	0	0	0	0	0	0	0	0	0	0	
DERRYNOYD FOREST ... ..			9 9	88	14.6	8.7	11.7	-	19.0	8.11	5.5	23	-	-	57	-	11	14	26	15	0	0	0	0	0	0	0	0	0	0	0	0	
GARRYVAH FOREST ... ..			9 9	88	14.2	8.1	11.1	-	18.6	11	5.2	4	-	-	69	-	58	13	14	21	15	0	0	0	0	0	0	0	0	0	0	0	
LOUGHERMORE FOREST ...			9 9	174	13.5	8.1	10.8	-	18.0	7	3.4	21	-	-	73	-	65	11	23	24	18	0	0	0	0	0	0	0	0	0	0	0	
MONEYDOG ... ..			9 9	34	14.8	8.4	11.6	+1.7	19.2	11	4.8	22	13.0	-	60	-	59	16	14	23	15	0	0	0	0	0	0	0	0	0	0	0	
TERRA POINT ... ..			9 9	16	14.5	8.8	11.7	-	18.3	7	5.8	22	-	-	51	-	11	9	25	11	0	0	0	0	0	0	0	0	0	0	0	0	
ANTRIM																																	
ALDERGROVE AIRPORT ...			21-9	68	14.2	9.0	11.6	+1.5	18.0	8	4.0	31	12.4	12.6	30	35	6	14	16	9	0	0	0	0	0	0	0	0	0	0	0	3.05	121
ALTNAHINCH ... ..			9 9	213	12.7	7.5	10.1	-	16.5	11.13	4.0	21	-	-	113	75	20	23	23	16	0	0	0	0	0	0	0	0	0	0	0	2.55	-
BALLYLUMFORD ... ..			9 9	24	14.8	10.0	12.4	-	17.7	9	7.2	4	-	-	25	-	7	14	15	7	0	0	0	0	0	0	0	0	0	0	0	-	-
BALLYPATRICK FOREST ...			9 9	152	13.3	8.3	10.8	-	17.0	8.11	5.1	10.21	-	-	88	71	17	23	23	16	0	0	1	0	0	0	0	0	0	0	0	3.28	-
CARNLOUGH ... ..			9 9	12	15.0	8.5	11.7	-	18.9	8.11	5.2	4	-	-	36	-	9	23	19	7	0	0	0	0	0	0	0	0	0	0	0	-	-
DIIVIS MOUNTAIN ... ..			9 9	363	12.1	6.0	9.1	-	16.4	12	2.5	18	-	-	62	54	12	24	21	20	0	0	0	0	0	0	0	0	0	0	0	-	-
GREENMOUNT ... ..			9 9	38	14.6	9.2	11.9	-	18.7	7	5.2	1	12.8	-	31	38	6	14	16	8	0	0	0	0	0	0	0	0	0	0	0	-	-
HYDE PARK (MALLUSK) ...			9 9	140	13.8	8.5	11.1	-	17.0	5	5.8	23	-	-	38	-	7	24	23	9	0	0	0	0	0	0	0	0	0	0	0	3.00	-
KILROD POWER STATION ...			9 9	12	14.6	9.8	12.2	-	17.9	5	5.6	23	-	-	31	-	5	16	17	9	0	0	0	0	0	0	0	0	0	0	0	3.23	-
LISNAFFILLAN ... ..			9 9	38	14.5	8.2	11.3	-	18.8	5	4.0	4	-	-	48	48	7	1	22	16	0	0	0	0	0	0	0	0	0	0	0	2.56	-
LONTOWN ... ..			9 9	271	12.6	7.6	10.1	-	16.0	8	3.2	23	10.5	-	58	41	7	16	23	17	0	0	0	0	0	0	3	0	0	2	0	-	-
PARKHORE FOREST ... ..			9 9	235	12.7	7.3	10.0	-	16.5	5	3.5	4	11.1	-	109	68	24	23	24	19	0	0	0	0	0	0	0	0	0	0	0	1	-
WOODBURN NORTH ... ..			9 9	217	13.0	8.3	10.7	-	16.3	5	4.5	23	-	-	47	39	7	24	20	15	0	0	0	0	0	0	0	0	0	0	0	-	-
BELFAST																																	
ANDERSONSTOWN ... ..			9 9	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MALONE ... ..			9 9	35	14.6	8.7	11.7	-	18.6	12	3.8	23	12.5	-	23	-	4	24	15	7	0	0	0	0	0	0	0	0	0	0	0	-	-
MILLTOWN ... ..			9 9	37	15.2	9.1	12.1	-	19.3	12	4.2	23	-	-	26	-	5	24	16	8	0	0	0	0	0	0	0	0	0	0	0	-	-
NEWTOWNABBEY ... ..			9 9	32	14.7	10.2	12.5	-	18.5	11	7.0	23	12.8	-	24	25	5	24	14	8	0	0	0	0	0	0	0	0	0	0	0	3.10	5
ROSEBANK ... ..			9 9	47	14.8	9.2	12.0	-	17.7	12	5.1	18	-	-	25	-	5	24	13	8	0	0	0	0	0	0	0	0	0	0	0	-	-
ROSETTA ... ..			9 9	24	14.6	9.3	11.9	-	17.6	13	4.5	23	-	-	24	27	4	24	15	8	0	0	0	0	0	0	0	0	0	0	0	-	-
STORMONT CASTLE ... ..			9 9	56	14.4	9.4	11.9	-	17.7	12	6.0	23	12.7	13.0	25	28	5	24	13	9	0	0	0	0	0	0	0	0	0	0	0	3.31	-
DOWN																																	
BANDOR SEACOURT ... ..			9 9	15	14.8	10.2	12.5	-	19.9	5	7.2	4	13.0	13.5	27	-	6	30	15	9	0	0	0	0	0	0	0	0	0	0	0	3.27	-
BALLYWALTER PARK ... ..			-	11	-	-	-	-	-	-	-	-	-	-	34	40	7	1	15	8	0	0	0	0	0	0	0	0	0	0	0	3.70	-
BALLYWATTCOCK ... ..			9 9	6	14.3	9.9	12.1	-	17.4	5	5.8	23	11.8	12.1	30	40	6	30	13	8	0	0	0	0	0	0	0	0	0	0	0	3.36	-
DOWNPATRICK ... ..			9 9	26	15.3	9.6	12.5	-	18.6	11	6.0	1	-	-	35	-	7	10	12	10	0	0	0	0	0	0	0	0	0	0	0	-	-
HELENS BAY ... ..			9 9	43	14.4	9.8	12.1	-	17.5	5.9	6.6	23	-	-	27	32	5	30	12	8	0	0	0	0	0	0	0	0	0	0	0	3.60	-
HILLSBOROUGH ... ..			9 9	116	13.9	8.9	11.4	+1.5	17.3	5	5.6	1	12.1	-	31	35	5	30	15	12	0	0	0	0	0	0	0	0	0	0	0	3.77	142
MAGHERALLY ... ..			9 9	97	14.3	8.1	11.2	-	17.7	11	2.2	23	-	-	31	-	5	1	14	10	0	0	0	0	0	0	0	0	0	0	0	-	-
MURLUGH ... ..			9 9	9	15.0	8.9	11.9	-	18.8	5	5.7	23	12.1	11.9	24	-	6	10	13	6	0	0	0	0	0	0	0	0	0	0	0	2	3.33
NEWHY ... ..			9 9	1	15.1	9.4	12.3	-	18.5	12	6.0	22.23	-	-	26	-	8	30	13	6	0	0	0	0	0	0	0	0	0	0	0	-	-
SILENT VALLEY ... ..			9 9	129	14.4	9.2	11.8	-	19.0	13	5.8	23	-	-	39	-	10	30	18	7	0	0	0	0	0	0	0	0	0	0	0	3.44	-
ARMAGH																																	
ARMAGH ... ..			9 9	62	14.2	9.2	11.7	+1.4	18.2	11	5.9	22.23	13.0	13.6	44	53	9	24	14	11	0	0	0	0	0	0	0	0	0	0	0	2.85	107
LOUGHALL ... ..			9 9	25	14.8	9.3	12.1	-	18.8	8.11	5.7	23	-	-	34	43	5	14	14	10	0	0	0	0	0	0	0	0	0	0	0	3.28	-
LURGAN ... ..			9 9	55	15.0	9.3	12.1	-	18.3	5	5.2	23	12.9	13.1	29	37	6	1	17	9	0	0	0	0	0	0	0	0	0	0	0	3.24	-
TANDRAGEE ... ..			9 9	43	15.2	9.1	12.1	-	18.8	11	4.9	23	-	-	32	-	6	24	12	10	0	0	0	0	0	0	0	0	0	0	0	-	-
TYRONE																																	
ALTAVEEDAN ... ..			9 9	175	13.4	8.0	10.7	-	17.5	11	5.3	23	-	-	83	-	16	11	20	14	0	0	0	0	0	0	0	0	0	0	0	-	-
CARRIGANS ... ..			21-9	113	14.1	9.1	11.6	-	18.5	8	3.8	31	-	-	61	53	9	14	23	16	0	0	0	0	0	0	0	0	0	0	0	2.34	-
COOKSTOWN ... ..			9 9	77	14.3	8.8	11.5	-	18.0	8	5.1	23	12.2	-	48	49	10	14	21	12	0	0	0	0	0	0	0	0	0	0	0	2.91	-
LOUGH BRADAN ... ..			9 9	169	13.1	7.3	10.2	-	17.2	7	4.2	4	-	-	93	65	11	11	25	19	0	0	0	0	0	0	0	0	0	0	0	2.18	-
POWEROY FOREST ... ..			9 9	174	13.4	8.2	10.8	-	17.0	11	4.5	23	12.4	-	63																		



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

OCTOBER 1978

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 (Hb)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB (DEGREES C)	DEPRESSION OF WET BULB (DEGREES C)	WET BULB (DEGREES C)	VAPOUR PRESSURE (Hb)	RELATIVE HUMIDITY (%)	OKTAS						0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE										N	NE	E	SE	S	SW	W	NW					
										0	1 - 2	3 - 5	6 - 7	8	SKY OBSERVED											SPEED (KT)																						
																										34 OR MORE	22-33	11-21	1-10	0																		
NUMBER OF OBSERVATIONS																																																
0 SCOTLAND N SHETLAND																																																
FAIR ISLE	61	9	1012.9	-	9.4	0.8	10.7	89	6.2	0	3	5	13	8	2	0	1	1	1	0	1	3	7	7	10	2	12	11	5	1	3	1	0	2	5	5	12											
		15	1012.9	-	9.8	0.8	10.9	89	6.2	0	4	5	10	10	2	0	1	1	1	1	1	2	9	10	5	3	11	14	3	1	3	1	0	3	5	11												
		21	1012.6	-	9.4	0.6	10.9	91	5.9	0	4	5	11	11	0	0	0	0	0	1	0	2	15	5	3	2	9	16	3	1	1	1	1	0	5	6	14											
LERNICK	83	3	1011.7	-	7.9	0.7	9.8	90	5.9	2	3	6	6	12	2	0	2	0	0	0	1	7	11	7	3	0	6	13	10	2	1	1	1	0	4	9	13											
		9	1012.1	+ 2.7	8.5	1.0	9.8	87	6.5	0	1	6	15	8	1	0	0	0	2	1	3	5	8	7	0	7	16	8	0	0	1	2	4	12	6	5												
		15	1011.9	-	9.1	1.1	10.2	86	6.8	0	1	5	11	11	3	0	0	3	0	0	0	3	10	8	2	1	7	16	6	1	1	0	2	0	5	13	6	3										
ORKNEY	21	1012.1	-	8.4	0.9	10.0	89	6.4	0	4	1	13	13	0	0	0	0	0	1	0	0	3	12	3	0	8	13	8	2	0	1	0	1	6	11	9	1											
		1012.1	-	8.4	0.9	10.0	89	6.4	0	4	1	13	13	0	0	0	0	0	1	0	0	3	12	3	0	8	13	8	2	0	1	0	1	6	11	9	1											
		1012.1	-	8.4	0.9	10.0	89	6.4	0	4	1	13	13	0	0	0	0	0	1	0	0	3	12	3	0	8	13	8	2	0	1	0	1	6	11	9	1											
KIRKWALL	26	3	1013.7	-	8.7	0.7	10.3	90	5.8	1	4	4	11	11	0	0	0	0	0	1	0	4	9	16	1	0	6	16	8	1	0	0	2	1	6	8	12	1										
		9	1014.1	+ 4.2	9.7	0.7	11.0	90	6.5	0	3	2	15	10	1	0	0	0	1	0	0	5	9	11	5	1	5	12	13	0	2	0	1	1	7	9	9	2										
		15	1014.0	-	10.6	1.3	10.9	84	6.2	0	2	9	10	10	0	0	0	0	0	1	0	3	11	11	5	0	9	16	6	0	1	2	0	1	7	6	12	2										
WESTERN ISLES	21	1014.5	-	9.2	0.9	10.5	88	6.0	0	4	6	9	12	0	0	0	0	0	1	0	1	11	13	5	0	3	18	9	1	0	1	0	2	2	8	16	1											
		1014.5	-	9.2	0.9	10.5	88	6.0	0	4	6	9	12	0	0	0	0	0	1	0	1	11	13	5	0	3	18	9	1	0	1	0	2	2	8	16	1											
		1014.5	-	9.2	0.9	10.5	88	6.0	0	4	6	9	12	0	0	0	0	0	1	0	1	11	13	5	0	3	18	9	1	0	1	0	2	2	8	16	1											
BENBECULA	7	3	1015.5	-	10.1	0.7	11.3	91	6.4	0	2	7	5	17	0	0	0	0	0	1	5	7	11	7	0	9	13	9	0	5	1	0	1	6	7	8	3											
		9	1015.9	+ 6.0	10.4	0.9	11.3	89	6.6	0	2	4	16	9	0	0	0	0	0	1	9	4	11	6	0	5	17	9	0	3	2	0	3	5	10	6	2											
		15	1016.1	-	11.3	1.2	11.5	85	6.2	0	4	4	10	13	0	0	0	0	0	0	3	3	5	8	12	0	5	21	5	0	0	3	0	0	4	9	11	4										
STORNOWAY	5	3	1014.6	-	9.3	0.6	11.0	93	5.8	0	6	4	7	14	0	0	0	0	0	0	3	10	17	1	0	2	15	12	2	1	0	2	1	3	9	11	2											
		9	1015.0	+ 5.4	9.7	0.7	11.1	91	6.2	0	2	7	12	10	0	0	0	1	0	1	7	5	15	2	0	3	17	9	2	2	0	0	1	7	9	8	2											
		15	1015.0	-	11.0	1.0	11.6	87	6.2	0	4	4	11	12	0	0	0	0	0	2	6	6	8	9	0	3	17	11	0	1	2	0	1	6	8	10	3											
HIGHLAND	21	1015.3	-	9.8	0.6	11.2	92	6.2	0	3	5	10	13	0	0	0	0	1	0	4	8	13	5	0	1	16	14	0	1	1	1	2	4	12	9	1												
		1015.3	-	9.8	0.6	11.2	92	6.2	0	3	5	10	13	0	0	0	0	1	0	4	8	13	5	0	1	16	14	0	1	1	1	2	4	12	9	1												
		1015.3	-	9.8	0.6	11.2	92	6.2	0	3	5	10	13	0	0	0	0	1	0	4	8	13	5	0	1	16	14	0	1	1	1	2	4	12	9	1												
CAPE WRATH	113	3	1013.0	-	10.0	0.9	11.0	89	6.3	0	0	10	7	9	5	0	1	0	4	0	0	1	4	16	5	3	11	7	9	1	3	0	1	3	10	9	3											
		9	1013.5	-	9.7	0.8	10.9	90	6.7	0	1	5	13	9	3	0	1	2	1	0	0	1	4	14	8	3	9	11	7	1	1	1	3	0	2	10	11	2										
		15	1013.7	-	10.4	0.9	11.3	88	6.6	0	2	6	9	10	4	0	0	2	2	0	2	3	14	8	3	10	6	12	0	1	2	0	0	3	13	9	3											
DALCROSS	12	9	1016.2	-	10.3	1.1	11.0	86	6.3	0	1	6	20	4	0	0	1	0	0	0	0	3	23	4	0	3	12	15	1	1	1	1	2	17	5	2												
		15	1016.0	-	12.2	1.9	11.2	79	6.5	0	1	4	19	7	0	0	0	0	0	1	1	2	22	5	0	3	18	10	0	2	1	1	0	0	18	7	2											
		1016.0	-	12.2	1.9	11.2	79	6.5	0	1	4	19	7	0	0	0	0	0	0	1	1	2	22	5	0	3	18	10	0	2	1	1	0	0	18	7	2											
WICK	37	3	1014.0	-	8.7	0.9	10.0	88	5.5	0	7	3	16	5	0	0	0	0	0	0	2	3	18	8	0	0	17	12	2	1	0	2	0	6	9	9	2											
		9	1014.4	+ 4.2	9.8	1.1	10.6	86	6.4	0	1	5	18	7	0	0	0	1	0	0	3	3	17	7	0	3	18	10	0	2	0	0	2	7	7	11	2											
		15	1014.3	-	11.2	1.8	10.5	78	6.0	0	2	8	16	5	0	0	0	0	1	0	1	0	2	18	10	0	5	17	8	1	2	1	0	1	7	4	13	2										
1 SCOTLAND E GRAMPIAN	21	1014.9	-	9.5	1.1	10.2	85	6.4	0	1	4	18	8	0	0	0	0	0	0	0	2	7	15	7	0	0	17	13	1	0	1	1	0	3	8	14	3											
		1014.9	-	9.5	1.1	10.2	85	6.4	0	1	4	18	8	0	0	0	0	0	0	0	2	7	15	7	0	0	17	13	1	0	1	1	0	3	8	14	3											
		1014.9	-	9.5	1.1	10.2	85	6.4	0	1	4	18	8	0	0	0	0	0	0	0	2	7	15	7	0	0	17	13	1	0	1	1	0	3	8	14	3											
DYCE	59	3	1015.8	-	9.0	1.0	10.1	87	5.9	1	3	6	12	9	0	0	0	0	1	1	4	5	7	12	0	0	6	20	5	1	0	0	1	7	8	8	1											
		9	1016.4	+ 4.7	10.7	1.4	10.7	82	5.9	0	6	2	16	7	0	0	0	0	2	0	4	4	8	13	0	0	8	18	5	1	0	0	1	5	6	10	3											
		15	1016.2	-	12.6	2.1	11.1	76	6.2	0	2	6	17	6	0	0	1	0	0	0	4	1	11	14	0	0	12	17	2	1	1	1	2	8	3	12	1											
FRASERBURGH	22	3	1015.0	-	10.0	1.3	10.3	83	5.4	0	8	4	7	12	0	0	0	0	0	0	1	9	21	0	0	5	10	15	1	1	0	2	2	10	6	3												
		9	1015.7	+ 4.5	10.9	1.6	10.6	80	6.1	0	1	8	15	6	1	0	1	0	0	0	1	5	24	0	0	6	9	16	0	1	0	1	3	8	6	11	1											
		15	1015.6	-	12.1	2.0	10.9	77	6.1	0	0	10	15	6	0	0	0	0	0	0	0	8	23	0	1	6	8	16	0	3	0	1	3	7	5	11	1											
KINLOSS	6	3	1015.4	-	10.1	1.4	10.2	82	6.0	0	4	3	19	5	0	0	0	0	0	1	2	6	15	7	0	1	17	12	1	2	0	4	0	4	13	6	1											
		9	1016.1	+ 5.2	10.7	1.6	10.5	81	6.0	0	2	6	19	4	0	0	0	0	0	0	2	3	11	15	0	3	12	16	0	0	1	1	0	4	13	9	3											
		15	1015.9	-	12.4	2.1	11.0	76	6.8	0	1	1	21	8	0	0	0	0	0	0	1	8	8	14	0	2	17	12	0	2	1	1	0	4	14	6	3											
LOSSIEMOUTH	6	3	1015.1	-	9.6	1.3	10.1	84	5.9	1	4	3	15	8	0	0	0	0	0	1	2	6	13	9	0	0	16	13	2	0	0	3	2	3	4	16	1											
		9	1015.8	-	10.6	1.6	10.3	80	6.0	0	2	7	18	4	0	0	0	0	0	0	2	3	11	15	0	3	12	16	0	1	2	0	5	15	7	1												
		15	1015.6	-</																																												



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

OCTOBER 1978

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)	WET BULB PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS						0 - 39 M	40 - 190 M	200 - 350 M	400 - 950 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE						N	NE	E	SE	S	SW	W	NW			
									0	1 - 2	3 - 5	6 - 7	8	SKY OBSERVED											SPEED (KT)																
																									34 OR MORE	22-33	11-21	1-10	0												
																														6-7									4-5	1-3	CALM
NUMBER OF OBSERVATIONS																																									
6 SCOTLAND W -CONTO. STRATHCLYDE -CONTO.																																									
SLOY	-	9	-	-	11.1	1.6	10.8	80	6.8	1	0	4	11	15	0	0	0	0	0	0	0	0	1	5	24	1	0	0	4	19	8	2	1	0	1	5	5	7			
		15	-	-	12.7	2.2	11.1	75	6.6	0	1	5	13	12	0	0	0	0	0	0	0	0	0	8	23	0	0	0	2	25	4	0	0	0	10	2	5				
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
TIREE	10	3	1016.9	-	10.8	0.7	11.9	91	6.8	0	0	7	9	15	0	0	0	0	0	0	0	6	9	13	3	0	5	20	6	0	0	2	1	1	2	6	6	10			
		9	1017.4	+6.4	11.4	0.9	12.0	89	6.6	0	0	5	17	9	0	0	0	0	0	0	1	4	10	9	7	0	6	19	6	0	2	2	1	0	4	11	7				
		15	1017.6	-	12.0	1.3	12.0	84	6.3	0	3	5	11	12	0	0	0	0	0	1	5	9	6	6	0	6	22	3	0	0	0	0	0	1	8	7	9				
DUMFRIES & GALLOWAY		21	1017.6	-	10.9	0.7	12.0	91	5.8	1	6	3	5	16	0	0	0	0	0	0	0	9	9	7	6	0	8	17	5	1	2	1	3	6	8	7					
		ESKDALEHUIR	237	3	1019.2	-	8.4	0.7	10.3	92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
				9	1019.6	+6.1	9.8	0.9	11.0	90	6.9	0	1	4	10	16	0	0	0	0	0	0	8	4	11	5	3	0	3	6	19	8	3	0	1	9	3				
15	1019.2			-	11.5	1.8	11.0	80	6.2	0	3	6	12	10	0	0	0	0	1	0	0	4	6	15	5	0	1	13	17	0	3	0	0	11	9	7					
2 ENGLAND E & NE NORTHUMBERLAND		21	1020.2	-	8.9	0.9	10.4	89	6.2	2	2	3	12	12	0	0	0	0	0	0	4	4	8	11	4	0	2	8	15	6	3	0	0	8	8	4					
		BOULHER	27	3	1018.1	-	9.7	0.7	11.1	91	5.3	2	7	2	11	8	1	0	1	0	0	2	2	5	2	8	11	0	1	6	23	1	2	1	0	1	9	8			
				9	1018.8	-	11.2	1.0	11.7	87	6.0	0	3	6	14	8	0	0	0	0	2	3	7	7	8	4	0	0	11	19	1	3	0	0	0	7	11				
15	1018.4			-	12.9	1.7	12.0	80	6.2	0	3	5	14	8	1	0	1	0	0	0	3	6	5	7	9	0	0	14	17	0	3	1	1	2	6	10					
SEAHOUSES	12	21	1019.2	-	10.0	0.9	11.0	89	5.1	3	5	4	13	5	1	0	0	1	0	1	6	3	1	13	6	0	1	5	24	1	2	0	2	1	4	9					
		3	1017.7	-	-	-	-	-	4.7	2	9	4	8	6	2	0	0	0	2	0	0	4	7	17	1	0	1	8	19	3	2	2	0	0	5	7					
		9	1018.4	-	-	-	-	-	6.1	0	2	8	13	7	1	1	0	0	1	2	8	4	14	1	1	1	8	17	4	3	1	0	0	5	6						
TYNE & WARR		15	1018.3	-	-	-	-	6.2	0	1	8	13	8	1	0	0	1	0	0	0	4	3	8	13	2	1	14	12	1	3	4	0	2	0	3	4					
		21	1018.9	-	-	-	-	-	4.3	4	7	8	5	6	1	0	0	1	0	0	3	3	4	20	0	1	8	21	1	3	1	1	6	6							
		NEWCASTLE WEATHER CENTRE (X)	72	3	1019.2	-	10.7	1.2	11.0	84	5.7	3	2	4	13	9	0	0	0	0	0	1	3	4	5	13	5	0	0	7	22	2	2	1	0	0	7	6			
9	1019.9			-	11.5	1.5	11.2	82	5.8	0	4	6	13	8	0	0	0	0	1	3	9	5	12	1	0	0	6	25	0	2	1	0	0	9	6						
15	1019.4			-	13.7	2.6	11.3	71	5.6	1	5	5	12	7	1	0	1	0	0	1	6	7	9	6	0	0	9	22	0	4	1	1	0	8	5						
TYNEMOUTH	40	21	1020.2	-	11.3	1.5	11.1	82	4.9	3	4	7	11	6	0	0	0	0	0	0	4	2	9	11	5	0	0	5	25	1	2	1	0	0	6	3					
		3	1018.9	-	10.8	1.2	11.1	85	5.1	4	2	8	10	7	0	0	0	0	0	1	6	8	16	0	0	3	12	16	0	2	1	0	0	8	3						
		9	1019.4	+5.5	11.4	1.4	11.3	83	5.8	1	3	8	9	9	1	0	1	0	0	2	4	5	12	7	0	0	2	12	16	1	2	1	0	0	7	4					
NORTH YORKSHIRE		15	1018.9	-	13.2	2.2	11.5	76	5.9	1	2	7	11	9	1	0	1	0	0	1	5	4	12	8	0	0	4	15	12	0	4	1	1	9	4						
		21	1019.7	-	11.3	1.4	11.2	82	4.4	6	5	7	7	5	1	0	0	0	1	0	2	4	16	8	0	0	1	11	18	1	3	0	0	7	3						
		LEEMING	33	3	1019.9	-	10.3	1.0	11.1	87	6.0	3	2	4	9	13	0	0	0	0	2	2	5	4	11	5	0	1	6	24	0	2	1	0	6	6					
9	1020.5			+5.9	11.3	1.2	11.5	85	6.3	0	2	5	16	8	0	0	0	0	3	1	3	5	4	5	10	0	0	11	18	2	1	2	0	7							
15	1019.9			-	14.0	2.4	12.0	74	5.9	1	1	6	18	5	0	0	0	0	1	1	1	7	6	5	10	0	1	11	18	1	4	1	1	3	6						
WHITBY C.G.	66	21	1020.8	-	10.8	1.1	11.4	87	4.9	2	8	5	8	7	1	0	0	0	1	0	2	6	2	12	8	0	0	4	26	1	2	0	0	3	7						
		3	1019.0	-	10.8	1.2	11.2	85	5.1	5	4	5	12	1	0	0	1	0	1	2	4	6	14	3	0	1	11	14	5	0	1	0	0	6							
		9	1020.0	-	11.4	1.4	11.3	83	5.9	0	0	11	12	7	1	0	1	0	0	0	3	7	6	11	3	1	3	12	13	2	0	1	0	1	6						
HUMBERSIDE		15	1019.4	-	13.2	1.9	12.1	79	6.3	1	0	7	11	11	1	0	1	0	2	1	7	6	12	2	0	2	10	16	3	3	0	1	1	8	10						
		21	1020.3	-	11.1	1.2	11.3	84	4.8	4	7	3	4	13	0	0	0	0	0	3	7	9	11	1	0	0	11	18	2	1	0	1	7	6							
		SPURN POINT	20	3	1020.7	-	10.8	0.8	11.7	89	4.8	6	5	4	0	15	1	0	1	0	0	1	2	10	17	0	0	0	16	14	1	1	0	0	8	5					
9	1021.3			-	11.5	1.0	11.9	87	5.5	1	4	9	6	10	1	0	0	0	2	0	3	11	14	1	0	0	18	10	2	1	1	1	6								
15	1020.6			-	13.6	2.0	12.2	78	6.3	0	2	7	13	9	0	0	0	0	1	3	7	19	1	0	0	1	13	16	1	2	2	1	7	3							
LINCOLNSHIRE		21	1021.4	-	11.9	1.2	11.9	85	5.1	3	5	8	1	14	0	0	0	0	0	0	3	9	18	1	0	0	1	11	19	0	1	1	0	3	8						
		BINBROOK	112	3	1020.8	-	9.4	0.6	10.9	91	5.1	6	4	2	5	13	1	0	1	0	0	2	5	11	8	4	0	0	9	22	0	1	1	0	0	7	7				
				9	1021.3	-	10.8	0.9	11.6	88	6.6	0	2	3	16	9	1	0	1	0	0	2	3	13	9	3	0	0	12	18	0	2	0	1	1	6					
15	1020.5			-	13.7	2.3	11.9	75	6.5	0	2	2	22	5	0	0	0	0	2	1	9	6	13	0	0	0	13	18	0	2	0	0	2	2							
WADDINGTON	70	21	1021.6	-	10.4	0.9	11.3	88	5.2	1	7	7	4	12	0	0	0	0	1	4	11	8	6	0	0	0	11	20	0	2	1	0	0	5	8						
		3	1021.2	-	9.7	0.6	11.1	91	5.1	8	1	3	7	11	1	0	1	0	1	2	4	7	13	3	0	0	6	24	1	1	1	0	2	6							
		9	1021.8	+6.4	11.0	0.9	11.8	88	6.3	0	0	15	6	2	0	0	1	0	5	12	6	6	0	0	0	0	8	23	0	0	2	2	2	5	8						
3 EAST ANGLIA NORFOLK		15	1021.0	-	14.3	2.3	12.3	75	6.2	1	0	7	17	6	0	0	0	0	0	2	6	5	15	3	0	1	11	19	0	2	1	2	0	4	8						
		21	1022.0	-	11.1	1.1	11.6	87	5.9	1	3	5	12	0	0	0	0	0	0	0	4	12	10	5	0	0	8	22	1	1	0	1	5	10							
		COLTISHALL	17	3	1021.1	-	9.8	0.6	11.3	93	5.7	4	2	5	7	11	2	0	1	1	5	3	4	7	4	6	0	0	7	23	1	1	1	0	3	3					
9	1021.8			-	11.7	0.9	12.3	89	6.0	1	3	5	11	10																											



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[illegible]



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)	WET BULB PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS						0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE					M	NE	E	SE	S	SW	W	NW	
									MEAN	0	1 - 2	3 - 5	6 - 7	8											SKY OBSERVED	SPEED (KT)												
																										34 OR MORE	22-33	11-21	1-10									0
NUMBER OF OBSERVATIONS																																						
5 ENGLAND SE & CENT. S. -CONTD.																																						
DUNGENESS	7	3	1022.0	-	-	-	-	5.0	2	7	5	7	9	1	0	1	0	0	1	0	7	13	9	0	0	0	10	18	3	7	0	0	2	4	2	10		
	9		1022.8	-	12.8	1.3	12.7	85	6.0	0	2	8	11	8	2	0	2	0	1	14	11	2	0	0	0	1	14	20	3	7	0	0	2	6	1	9		
	15		1022.0	-	-	-	-	6.5	0	0	8	11	11	1	0	2	0	0	1	9	11	8	0	0	0	1	9	11	8	0	0	2	5	4	9			
	21		1022.9	-	-	-	-	5.1	2	6	8	4	10	1	0	0	1	0	0	4	13	12	0	0	0	7	21	3	7	0	0	2	5	2	8			
HANSTON	45	3	1022.3	-	10.6	0.7	11.8	91	5.1	3	6	4	10	2	0	3	0	0	4	6	10	6	2	0	0	4	26	1	2	3	0	1	4	6	5	7		
	9		1023.0	-	12.2	1.1	12.5	87	6.2	0	4	4	15	6	2	0	2	0	1	0	14	7	6	0	0	0	8	21	2	2	1	1	4	5	3	9		
	15		1022.2	-	14.4	2.1	12.8	77	6.4	0	2	6	15	7	1	0	1	0	0	3	14	4	8	1	0	2	8	24	1	0	1	1	5	4	7	6		
	21		1023.2	-	11.6	0.9	12.2	89	5.6	0	4	10	9	7	1	0	1	0	0	1	13	5	10	0	0	0	6	24	1	0	4	2	1	5	7	5		
HAMPSHIRE																																						
SOUTHAMPTON	9	3	1022.7	-	10.9	0.9	11.7	88	4.9	5	4	6	6	8	2	0	2	0	1	3	3	13	8	1	0	0	0	29	2	2	3	3	1	3	1	9		
WEATHER CENTRE (X)	9		1023.4	-	12.2	1.4	12.1	84	6.3	0	2	5	16	6	2	0	0	1	2	10	12	9	6	0	0	0	2	27	2	2	3	3	2	1	2	10		
	15		1022.5	-	15.7	3.0	12.3	68	6.3	0	3	6	13	9	0	0	0	1	1	3	7	17	1	0	0	0	3	28	0	2	2	0	6	1	9	5		
	21		1023.5	-	12.7	1.2	12.6	85	5.3	1	7	5	10	7	1	0	1	0	0	1	11	6	11	1	0	0	0	30	1	5	5	3	2	1	13	0		
WEST SUSSEX																																						
ORTHWICK	60	3	1022.9	-	8.2	0.4	10.5	95	4.9	4	3	7	6	8	3	0	4	2	4	0	3	10	4	4	0	0	0	1	23	7	2	3	3	1	2	5	7	
	9		1023.5	+ 6.6	10.6	0.8	11.7	90	6.0	0	4	5	12	7	3	0	2	1	1	3	10	9	2	0	0	0	3	22	6	1	6	1	1	5	5	5		
	15		1022.4	-	15.6	3.2	11.9	67	5.6	1	5	4	16	5	0	0	0	0	0	2	6	11	10	2	0	0	8	23	0	3	0	2	0	6	7	8		
	21		1023.7	-	10.6	0.8	11.6	90	5.6	2	3	6	10	8	2	0	4	0	0	1	3	12	6	5	0	0	0	2	25	4	4	2	1	2	3	8	3	
EAST SUSSEX																																						
HERSTMONCEUX	28	3	1022.6	-	9.6	0.4	11.4	94	4.3	5	8	4	6	8	0	0	1	1	1	3	6	8	6	5	0	0	0	26	5	9	1	1	1	2	1	2		
	9		1023.4	-	11.8	0.9	12.5	90	5.7	1	3	7	12	6	2	0	1	1	1	2	4	14	5	1	0	0	2	25	4	3	2	2	1	3	2	12		
	15		1022.5	-	15.0	2.4	12.7	74	5.7	0	3	10	12	6	0	0	0	0	1	0	2	4	11	11	2	0	0	4	26	1	3	1	2	3	4	6	8	
	21		1023.4	-	11.1	0.6	12.3	52	5.2	0	7	9	5	9	1	0	1	1	2	3	2	5	13	4	0	0	0	1	25	5	9	3	3	0	1	1	7	
7A ENGLAND NW & I.O.M. -CUMBRIA																																						
CARLISLE	28	3	1019.2	-	10.8	0.7	11.9	91	6.7	0	2	3	11	15	0	0	0	0	0	1	7	14	9	0	0	1	6	23	1	0	1	3	2	6	6	12		
	9		1019.8	+ 5.9	11.8	1.0	12.3	88	6.6	0	3	1	16	11	0	0	0	0	0	1	9	8	13	0	0	0	5	25	1	0	2	4	2	1	7	13		
	15		1019.5	-	13.5	1.8	12.5	80	6.5	1	0	5	17	8	0	0	0	0	0	1	3	8	15	4	0	0	13	18	0	1	0	5	0	2	8	12		
	21		1020.2	-	10.9	0.9	11.7	89	5.8	1	3	5	13	9	0	0	0	0	0	1	9	9	12	0	0	0	4	27	0	0	5	1	0	3	9	13		
LANCASHIRE																																						
SQUIRES GATE	11	3	1020.7	-	11.4	0.9	12.1	89	5.8	1	5	4	9	12	0	0	0	0	0	2	12	5	8	4	0	0	17	12	2	1	1	3	5	4	2	11		
	9		1021.3	+ 6.7	12.4	1.1	12.6	87	6.0	1	4	3	14	9	0	0	0	0	1	5	9	7	9	0	0	3	16	12	0	2	1	4	5	3	9			
	15		1020.9	-	13.9	1.5	13.4	83	6.3	1	1	2	20	7	0	0	0	0	1	10	4	13	2	0	2	2	15	14	0	1	1	3	2	5	4	10		
	21		1021.6	-	11.7	0.9	12.3	89	5.7	2	2	8	10	9	0	0	0	0	0	3	8	5	15	0	0	0	15	16	0	3	2	5	1	3	2	10		
GREATER MANCHESTER																																						
MANCHESTER	42	3	1021.1	-	11.4	1.1	11.8	86	5.9	2	4	2	10	13	0	0	0	0	1	1	6	12	8	3	0	0	0	26	3	1	1	2	1	8	7	5		
WEATHER CENTRE (X)	9		1021.6	-	12.3	1.5	11.9	83	6.5	0	4	1	15	11	0	0	0	0	1	7	14	7	1	1	0	0	5	24	2	1	1	2	3	6	8	5		
	15		1020.9	-	14.4	2.2	12.5	76	6.9	1	1	1	14	14	0	0	0	0	1	5	7	10	5	3	0	0	5	25	1	2	1	1	1	7	5	9		
	21		1021.8	-	12.3	1.3	12.2	84	5.5	2	5	2	14	8	0	0	0	0	0	0	5	13	9	3	1	0	3	25	3	1	2	3	2	3	5	11		
RINGWAY																																						
	84	3	1021.4	-	10.5	0.8	11.6	90	5.9	1	5	3	11	10	1	0	0	1	0	1	5	12	8	4	0	0	0	6	25	0	0	1	1	0	16	7	4	
	9		1021.9	+ 6.8	11.6	1.1	11.9	86	6.3	0	4	4	13	9	1	0	0	1	3	2	11	12	1	0	0	0	8	23	0	1	0	1	1	14	6	4		
	15		1021.2	-	14.0	2.1	12.4	77	6.4	1	2	2	16	10	0	0	0	0	0	7	7	8	9	0	0	0	12	19	0	1	1	2	3	7	2			
	21		1022.2	-	11.6	1.1	12.0	86	5.7	2	2	8	7	12	0	0	0	0	2	5	13	7	4	0	0	0	6	23	2	1	1	2	2	8	7	6		
ISLE OF MAN																																						
POINT OF AYRE	9	3	1020.0	-	11.9	0.9	12.5	88	6.7	1	1	4	6	18	1	0	0	0	1	0	0	3	5	11	11	3	1	3	19	6	2	0	2	0	8	7	2	
	9		1020.7	+ 7.2	12.4	1.0	12.8	88	6.8	0	2	0	16	12	1	0	0	0	1	2	10	15	3	0	5	17	8	1	0	3	1	0	3	2	8	10		
	15		1020.5	-	13.5	1.8	12.4	79	6.5	0	0	8	11	11	1	0	0	0	0	2	5	18	5	0	3	22	5	1	0	3	1	1	4	7	8			
	21		1021.0	-	11.9	1.1	12.1	86	5.9	0	3	9	5	14	0	0	0	0	1	3	6	9	12	0	2	20	7	2	0	3	2	1	5	8	6	4		
RONALDSWY																																						
	21	3	1020.1	-	12.0	0.9	12.5	88	6.8	0	3	2	9	17	0	0	0	0	0	0	6	11	9	4	0	1	16	14	0	3	1	1	2	3	6	14		
	9		1020.7	+ 6.8	12.4	0.9	12.9	89	6.2	0	3	4	15	8	1	0	0	1	1	3	6	9	7	4	0	2	15	13	1	3	1	3	1	2	11			
	15		1020.6	-	13.2	1.6	12.4	81	6.0	0	5	4	15	7	0	0	0	0	0	2	3	10	11	5	0	0	16	15	0	2	1	0	4	3	13			
	21		1021.1	-	11.7	1.0	12.1	87	5.8	1	3	8	7	12	0	0	0	0	2	2	5	11	7	4	0	0	15	16	0	5	1	3	0	4	10			
7B WALES N -DYNEDD																																						
BARDSEY ISLAND	19	3	1021.7	-	12.8	1.0	13.1	88	5.6	6	2	1	4	16	2	1	1	0	0	0	6	19	2	2	2	2	13	13	1	4	2	0	1	7	4			
	9		1022.1	-	13.1	0.9	13.5	89	6.8	0	1	6	5	18	1	0	0	1	0	0	6	17	5	1	1	5	11	10	4	2	0	0	3	5	4			
	15		1021.7	-	13.7	1.2	13.6	87	6.5	1	1	6	9	13	1	0	1	0	0	1	7	9	11	2	1	3	15	11	1	4	0	1	3	5	4			
	21		1022.3	-	13.0	1.1																																



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

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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 (INB)	DIFFERENCE FROM 1941-70 AVERAGE	DRY BULB (DEGREES C)	DEPRESSION OF WET BULB (DEGREES C)	VAPOUR PRESSURE (INB)	RELATIVE HUMIDITY (%)	OKTAS						0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE					SPEED (KT)	N	NE	E	SE	S	SW	W	NW	
									MEAN	0	1 - 2	3 - 5	6 - 7	8											SKY OBSERVED	34 OR MORE	22-33	11-21	1-10										0
NUMBER OF OBSERVATIONS																																							
8A WALES S -CONTO. MID GLAMORGAN																																							
CILFYNYDD	195	3	1022.9	-	9.8	0.6	11.4	92	4.7	7	2	7	3	11	1	0	1	0	0	0	0	15	15	0	0	0	0	4	8	19	0	1	0	0	3	0	5	3	
		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
SOUTH GLAMORGAN																																							
RHOOSE	69	3	1022.5	-	10.8	0.7	12.0	92	5.2	5	4	3	9	10	0	0	0	0	1	1	3	4	13	9	0	0	0	4	27	0	2	3	6	2	3	0	8	7	
		9	1023.1	+ 6.7	11.9	1.0	12.4	88	6.2	0	4	3	16	7	1	0	1	1	1	1	0	12	7	5	3	0	5	26	0	2	2	7	3	3	2	6	4		
		15	1022.3	-	14.9	2.3	12.9	76	5.8	0	5	5	14	7	0	0	0	0	2	0	0	6	12	7	4	0	0	11	20	0	2	1	4	2	4	2	12	4	
		21	1023.3	-	11.8	1.0	12.3	88	4.8	3	8	2	11	7	0	0	0	0	1	0	2	4	11	12	1	0	0	4	26	1	1	2	5	3	2	3	7	7	
8B ENGLAND SW AVON																																							
FILTON	61	3	1023.0	-	9.5	0.5	11.3	94	4.5	8	4	2	10	6	1	0	1	1	1	1	3	1	8	10	5	1	0	0	1	22	8	1	1	7	0	4	0	9	1
		9	1023.5	+ 7.1	11.6	0.9	12.2	89	6.3	0	2	5	18	5	1	0	1	1	1	1	0	8	6	10	3	1	0	0	7	19	5	1	0	5	2	3	10	3	
		15	1022.5	-	15.5	2.7	12.7	72	5.8	0	3	6	17	5	0	0	0	0	0	0	3	2	13	9	4	0	0	10	20	1	3	2	0	1	3	6	14	1	
		21	1023.6	-	11.9	1.1	12.1	86	4.9	3	7	3	11	6	1	0	1	0	0	0	0	3	6	14	6	1	0	0	4	24	3	4	1	2	4	4	1	8	4
SOMERSET																																							
EXTON	-	9	-	-	10.9	0.7	12.0	91	6.1	0	3	8	7	10	3	0	1	0	3	0	4	7	5	8	3	0	0	3	24	4	8	2	1	1	9	1	3	2	
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		21	-	-	10.1	0.4	11.8	94	5.4	3	5	3	8	10	2	0	2	0	0	0	2	7	8	4	8	0	0	0	30	1	8	0	0	0	13	1	7	1	
YEOVILTON	23	3	1022.9	-	10.1	0.6	11.7	93	5.5	6	1	3	6	12	3	0	1	2	1	2	4	9	12	0	0	0	0	3	17	11	0	2	0	1	2	4	7	4	
		9	1023.4	-	11.6	1.0	12.2	88	5.9	2	2	4	15	4	4	0	3	0	1	0	5	9	12	1	0	0	0	6	12	13	2	0	1	3	2	2	6	2	
		15	1022.6	-	15.7	2.9	12.7	71	6.0	0	4	6	11	10	0	0	0	0	0	2	2	6	11	10	0	0	1	10	15	5	3	0	1	3	3	4	5	7	
		21	1023.6	-	11.5	1.0	12.0	88	5.2	3	6	4	6	11	1	1	1	0	0	2	4	1	18	4	0	0	0	3	19	9	1	1	0	6	2	3	7	2	
DORSET																																							
HURN	11	3	1023.0	-	9.7	0.5	11.5	93	4.7	7	3	6	2	10	3	0	3	1	0	2	3	10	9	0	0	0	0	1	21	9	4	2	0	2	2	4	5	3	
		9	1023.6	-	11.7	0.9	12.4	89	5.9	1	4	3	17	4	2	0	2	0	1	1	4	10	8	5	0	0	0	2	26	3	6	3	0	3	1	3	11	1	
		15	1022.8	-	15.5	2.8	12.6	70	5.8	0	4	5	15	7	0	0	0	0	0	0	2	9	5	13	2	0	0	7	24	0	7	2	1	3	7	3	4	4	
		21	1023.8	-	11.3	0.8	12.2	90	4.7	4	5	7	5	9	1	0	1	1	1	0	4	5	10	9	0	0	0	1	24	6	3	0	6	1	3	2	8	2	
PORTLAND BILL.C.O.	54	3	1022.7	-	12.8	0.6	13.8	93	4.6	6	5	3	6	10	1	0	2	0	0	0	6	17	6	0	0	1	14	15	1	4	2	4	1	3	3	5	8	4	
		9	1023.4	-	13.4	0.9	13.9	89	6.0	1	3	4	13	9	1	0	1	0	1	0	7	11	11	0	0	1	17	13	0	4	3	6	4	1	2	5	6		
		15	1022.7	-	14.7	1.2	14.6	87	6.5	0	2	4	15	10	0	0	0	0	1	1	8	12	9	0	0	2	14	13	2	3	2	2	2	3	5	8	4		
		21	1023.5	-	13.5	0.7	14.3	92	5.1	7	1	5	5	13	0	0	1	0	0	0	1	5	15	9	0	0	1	20	9	1	7	0	3	4	3	5	5		
DEVON																																							
EXETER	38	3	1023.1	-	10.7	0.6	12.1	93	5.4	6	1	5	6	11	2	0	3	0	1	1	0	5	11	8	2	0	0	2	23	6	2	3	2	1	7	1	5	4	
		9	1023.6	+ 7.0	12.0	0.9	12.7	89	6.0	0	1	10	14	5	1	0	2	1	0	1	0	7	8	6	6	0	0	2	25	1	4	5	0	5	1	4	6	4	
		15	1022.7	-	15.6	2.3	13.6	76	6.1	0	3	5	19	4	0	0	0	0	0	1	4	7	13	6	0	0	1	15	15	0	3	0	2	6	7	0	7		
		21	1023.8	-	12.2	0.8	13.0	90	5.7	1	6	1	13	9	1	0	1	0	0	1	2	5	7	13	2	0	0	4	24	3	1	2	2	7	5	2	5	4	
HARTLAND POINT	93	3	1022.2	-	12.6	1.2	12.6	85	5.2	2	7	5	5	12	0	0	0	0	0	0	1	9	11	10	0	1	12	14	4	4	0	3	1	5	2	5	7	4	
		9	1022.7	-	13.1	1.5	12.9	84	6.4	1	0	5	15	10	0	0	0	0	0	0	2	16	7	6	0	0	14	13	4	4	1	3	2	4	5	4	4		
		15	1022.1	-	14.5	1.6	13.8	83	6.2	1	1	9	6	14	0	0	0	0	0	2	1	13	12	3	0	2	9	17	3	3	3	1	1	6	7	6	4		
		21	1022.8	-	13.1	1.2	13.0	86	5.4	2	4	9	4	12	0	0	0	0	0	0	2	11	10	8	0	1	18	8	4	5	0	1	2	5	4	6	4		
MOUNT BATTEN	28	3	1023.0	-	11.8	0.9	12.5	89	5.2	3	5	7	4	12	0	0	0	0	1	2	10	9	7	2	0	0	6	24	1	4	2	8	1	3	2	4	6	4	
		9	1023.6	+ 7.0	13.0	1.3	12.9	85	5.8	0	5	5	13	8	0	0	0	0	1	2	9	13	4	2	0	0	7	23	1	3	1	6	3	4	1	8	4		
		15	1022.8	-	15.6	2.2	13.7	77	5.9	1	2	7	13	8	0	0	0	0	1	0	6	11	11	2	0	0	12	19	0	3	0	4	3	4	7	4	6		
		21	1023.8	-	12.8	1.1	13.0	87	5.4	4	3	4	10	10	0	0	0	0	0	0	1	11	14	5	0	0	1	2	27	1	1	1	6	3	4	2	9	4	
PRAMLE POINT	-	3	-	-	-	-	-	-	4.5	7	1	8	5	10	0	0	1	2	1	0	5	8	14	0	0	3	18	10	0	4	5	5	0	1	5	9	2		
		9	-	-	-	-	-	-	-	6.0	1	2	5	14	9	0	0	0	0	2	1	9	8	11	0	0	1	20	9	1	4	3	4	2	4	0	12	1	
		15	-	-	-	-	-	-	-	6.3	1	1	5	15	9	0	0	0	0	0	0	6	14	10	1	0	5	15	11	0	2	1	5	1	6	5	11	0	
		21	-	-	-	-	-	-	-	4.9	5	4	6	4	12	0	0	0	0	0	0	1	9	7	14	0	0	2	18	11	0	3	3	5	1	3	3	9	4
CORNWALL																																							
CULDROSE	84	3	1023.3	-	11.7	0.7	12.8	91	5.2	5	4	4	4	12	2	0	2	0	0	3	2	14	6	4	0	0	0	6	24	1	5	2	5	1	6	1	7	3	
		9	1023.8	-	12.8	0.9	13.3	89	6.3	1	0	9	12	8	1	0	0	0	2	1	3	11	8	6	0	0	0	4	26	1	3	0	3	6	4	3	6	5	
		15	1023.1	-	14.4	1.7	13.5	82	6.1	0	1	9	14	7	0	0	0	0	0	1	14	10	5	0	0	0	8	23	0	5	0	6	1	5	2	7	5		
		21	1023.9	-	12.4	0.7	13.3	92	5.6	0	7	5	6	11	2	0	1	0	1	1	1	14	12	1	0	0	0	4	26	1	4	1	4	2	5	3	7	4	
GHENNAP HEAD	70																																						



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

OCTOBER 1978

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								
LERNICK (PSYCHROMETER)	0	0	12	19	0	0	0	0	0	0	0	0	7	21	3	0	CAMBRIDGE BOTANIC GARDENS	0	0	0	14	11	6	0	0	0	0	0	0	0	5	17	9	0							
LERNICK (SCREEN)	0	0	10	21	0	0	0	0	0	0	0	0	7	22	2	0	EDOBASTON	0	0	3	17	9	2	0	0	0	0	0	0	0	2	18	11	0							
STORNOWAY	0	0	8	22	1	0	0	0	0	0	0	0	4	19	8	0	KEW (PSYCHROMETER)	0	0	0	11	15	5	0	0	0	0	0	0	10	12	9	0								
CRAIBSTONE	0	0	3	19	9	0	0	0	0	0	0	0	8	20	3	0	KEW (NORTH-WALL SCREEN)	0	0	0	12	15	4	0	0	0	0	0	0	4	14	13	0								
ROTHESAY	0	0	1	25	5	0	0	0	0	0	0	0	0	21	10	0	HASTINGS	0	0	0	12	18	1	0	0	0	0	0	0	1	16	14	0								
ABBOTSINCH	0	0	0	22	9	0	0	0	0	0	0	0	3	19	9	0	SOUTHAMPTON	0	0	0	8	21	2	0	0	0	0	0	0	3	16	12	0								
ESKDALEMUIR (PSYCHROMETER)	0	0	5	22	4	0	0	0	0	0	0	0	2	3	20	6	STONYHURST	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
ESKDALEMUIR (SCREEN)	0	0	5	21	5	0	0	0	0	0	0	0	2	3	18	8	VALLEY	0	0	0	18	13	0	0	0	0	0	0	0	11	20	0									
DOUGLAS	0	0	0	22	9	0	0	0	0	0	0	0	0	15	16	0	RHOOSE	0	0	0	13	16	2	0	0	0	0	0	0	6	10	15	0								
BOULMER	0	0	0	20	11	0	0	0	0	0	0	0	5	22	4	0	FALMOUTH	0	0	0	8	22	1	0	0	0	0	0	0	1	11	19	0								
HULL	0	0	0	15	13	3	0	0	0	0	0	0	3	17	11	0	ALDERGROVE	0	0	0	19	12	0	0	0	0	0	0	0	1	20	10	0								
ORLESTON	0	0	0	19	12	0	0	0	0	0	0	0	1	20	10	0	ARMAGH	0	0	0	19	12	0	0	0	0	0	0	0	0	21	10	0								

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

OCTOBER 1978

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			ABOVE GROUND					EFFECTIVE					HOURS OF NO RECORD					MEAN HOURLY WIND SPEED (KT)					HOURS OF NO RECORD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			ABOVE MSL	ABOVE GROUND	EFFECTIVE	DATES OF OCCURRENCE	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS	NUMBER OF DAYS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		ABOVE MSL	ABOVE GROUND EFFECTIVE	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				DUST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				DATES OF OCCURRENCE					NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS		MEAN HOURLY WIND SPEED (KT)		YEAR FROM N	SPEED-KT	HOURS EXCEEDING	YEAR FROM N	SPEED-KT	DAY	TIME																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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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.



# MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

**NOVEMBER 1978**

VOLUME 96 NUMBER 11



## Mild first three weeks; cold last week, with snow.

The British Isles lay within the peripheral circulation of a large anticyclone over central Europe for much of the first two weeks, and a mild airstream from between south and west covered most areas. Frontal troughs mainly affected northern districts until the 12th, when an active cold front from the west crossed all parts. A deepening depression moved rapidly north-eastwards between Iceland and Scotland on the 14th, but a developing wave delayed the southward progress of the associated cold front until the 15th. A mild westerly flow was then maintained until the 22nd with further fronts crossing all areas. A cold front moved south-eastwards on the 23rd and 24th, and with pressure rising to the west of Ireland a north-westerly airstream became established. A ridge of high pressure from the north drifted eastwards across Britain between the 27th and the 30th, bringing a northerly airstream at first, but a mainly southerly flow by the end of the month.

### Weather

The first three weeks were mild and, except in north-western areas, it was mainly dry until the 12th. Fog frequently developed overnight during this period and it was slow to clear in parts of the south. The middle of the month was very unsettled, with heavy rain in the north and gales in many areas. It became very cold during the last week; snow showers reached most districts and freezing fog persisted in parts of eastern and southern England.

### Wind

Winds were often fresh or strong in northern and western Scotland and gales were reported on a number of occasions. The total of 14 days on which winds reached gale force at Lerwick (Shetland) was the highest there for any November since 1953. Fresh or strong winds on exposed coasts of England and Wales occurred most frequently between the 12th and the 28th and there were gales in many parts of Britain around mid-month. The gales were particularly severe in the north. Maximum gusts in Scotland mostly occurred on the 14th, when a gust of 80 kt was recorded at Kirkwall (Orkney) and Fair Isle reported a gust of 100 kt. In most remaining areas the highest gusts were recorded on the 15th. Wind directions were between south and west for much of the month. From the 24th, however, north-west to northerly winds predominated, although directions became mainly south to south-east towards the end of the month.

### Temperature

Monthly mean temperatures were above average almost everywhere, in spite of a cold spell during the last week. Values ranged from near average in Shetland to more than 2 °C above the normal in parts of eastern Scotland and northern, central and eastern England. Mean temperatures were between 1 and 2 °C above average in most remaining areas. The weather was generally mild until the 23rd, and exceptionally so at times. Most places recorded their monthly maxima during the first 8 days, the temperature reaching 18.4 °C at Elmstone (Kent) and Poole (Dorset) on the 5th and 8th respectively. Glenmore Lodge, in the Scottish Highlands, recorded a maximum of 18.1 °C on the 6th. Much colder weather spread southwards on the 24th and the cold spell which followed contrasted sharply with the mild conditions experienced earlier. Monthly minima mostly

occurred during the last few days, the temperature falling to below -9 °C in places in east and south-east England on the night of the 29th/30th, when Mepal (Cambridgeshire) recorded a minimum of -11.5 °C.

### Rainfall

Monthly rainfall totals in Scotland were mostly well above average, but amounts decreased sharply towards the eastern coastal strip. Values ranged from over 220 per cent of the normal in parts of the north-west to about 30 per cent in the Aberdeen area. Rainfall was above average over most of Northern Ireland and in parts of Wales and north-west England, but less than half the normal amount fell over much of the remainder of England. Most of south-east England recorded less than 25 per cent of the normal, and only about 10 per cent fell along the Sussex coast. Many areas had spells of dry weather until the 11th, but the rest of the month was generally less settled, particularly in the north and west. Heavy rain falling in Scotland on successive days between the 12th and the 17th caused flooding in many parts.

### Snow

Scattered wintry showers, mainly of sleet or hail, occurred at times in northern areas between the 12th and the 23rd, but snow showers fell in many parts from the 24th onwards. Depths of 5-10 cm were measured in level snow in the north and east and also in the Welsh mountains, and undrifted depths exceeding 20 cm were reported at one or two places in north-western Scotland and Northern Ireland. Snow covered the higher Scottish mountains during the last week and also lay on high ground in Wales and in northern and south-western England.

### Sunshine

Sunshine was above average in eastern Scotland, in the Channel Islands and over most of England and Wales. As in 1977, this was a very sunny November in some places. Totals exceeded 160 per cent of the normal in the north Midlands, while Hull (Humberside) and Bradford (West Yorkshire) recorded a little over 175 per cent of average. Sunshine was below normal in parts of southern and over most of western Scotland, however, with monthly totals less than 65 per cent of average in the Hebrides. The Isle of Man, most of Northern Ireland and some western parts of England and Wales also had less than their normal sunshine for the month.

### Fog

Patches of overnight fog formed in many areas during the first week, but mostly affected South Wales and central and southern England during the second week. The fog became dense in these parts on the nights of the 9th/10th and 10th/11th, persisting all day in places on both the 10th and the 11th. Thick fog disrupted airline schedules at London/Heathrow and Gatwick Airports and several people were killed in road accidents in Kent and East Anglia on the 11th. Fog re-formed in places on the night of the 11th/12th, but was seldom reported between the 13th and the 27th. Freezing fog became dense in places on the nights of the 28th/29th and 29th/30th and it persisted all day in the Benson (Oxfordshire) area on the 29th, and in the Vale of York and parts of the east Midlands on the 30th. Collisions involving large numbers of vehicles occurred in thick fog in eastern England on the 30th with some loss of life.

### Miscellaneous Phenomena

A waterspout was observed from Scarborough (North Yorkshire) at 1030 GMT on the 27th.

**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				
0 Scotland N	17.2	−5.5	+0.6	+0.5	+0.6	+0.9	+3	184	85
1 Scotland E	17.3	−7.4	+1.9	+1.9	+1.8	+2.2	−1	98	118
2 England E & NE	16.5	−8.5	+2.1	+1.3	+1.7	+2.2	−8	50	141
3 East Anglia	17.5	−8.6	+2.1	+1.6	+1.9	+2.1	−7	39	136
4 Midland Counties	17.0	−8.0	+2.2	+1.6	+1.9	+2.3	−6	52	145
5 England SE & Central S	17.5	−7.6	+1.9	+1.9	+1.9	+1.9	−6	22	129
6 Scotland W	16.0	−7.4	+1.4	+1.8	+1.6	+2.2	+2	150	86
7 England NW & Wales N	17.2	−6.0	+1.6	+1.9	+1.8	+2.2	−3	109	106
8 England SW & Wales S	18.4	−5.8	+1.7	+1.5	+1.6	+2.0	−3	62	97
N Ireland	16.2	−6.1	+1.7	+1.6	+1.7	+2.3	+1	112	89
Scotland	17.3	−7.4	+1.3	+1.4	+1.3	+1.8	+1	144	96
England & Wales	18.4	−8.6	+1.9	+1.6	+1.8	+2.1	−5	56	126

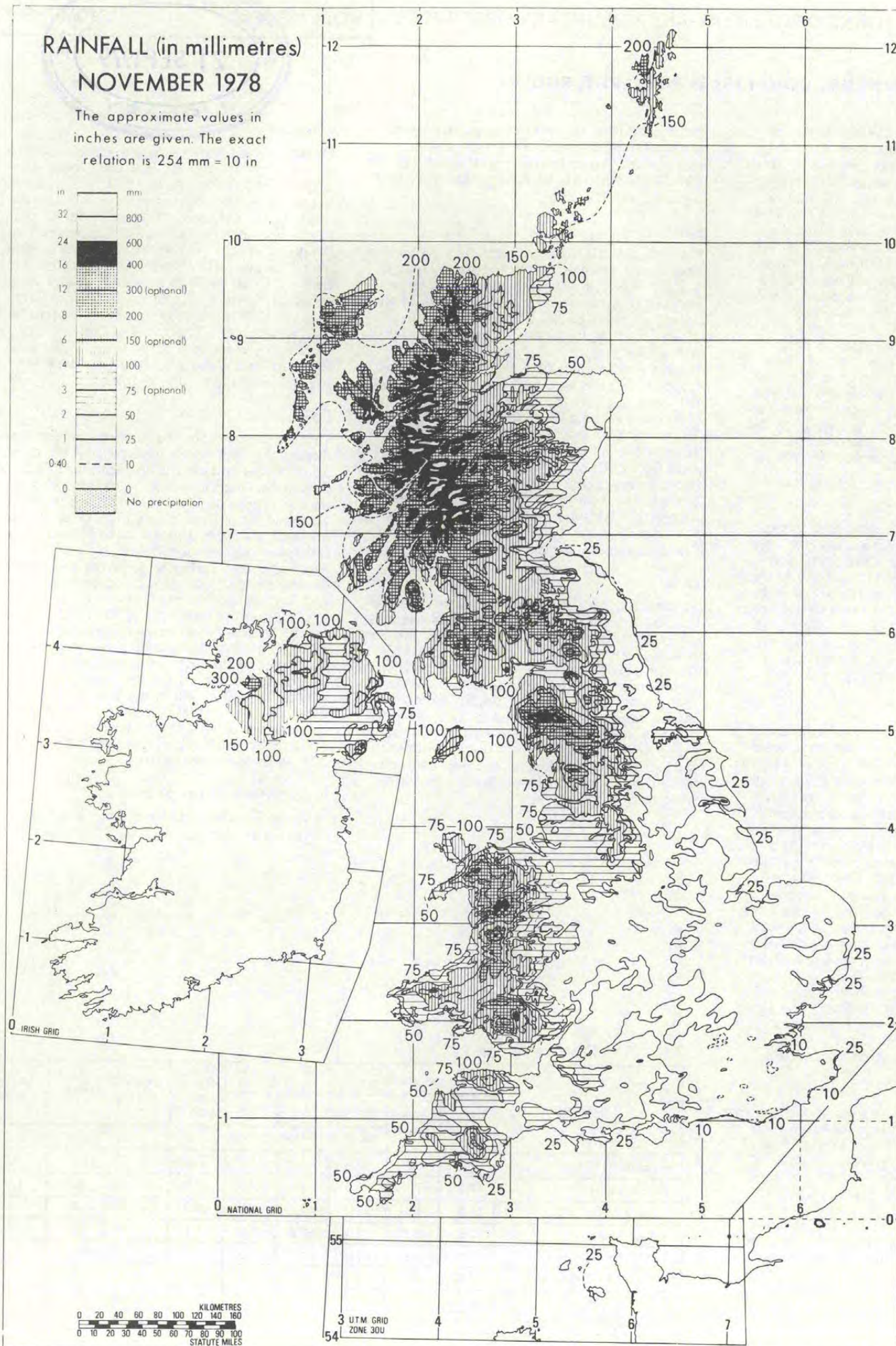
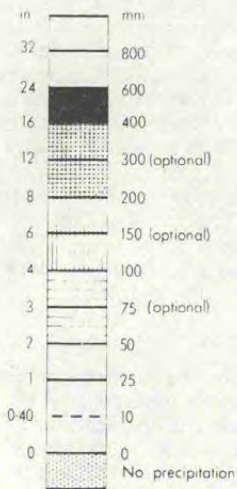
\* Highest maximum and lowest minimum of District Value Stations



# RAINFALL (in millimetres)

## NOVEMBER 1978

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





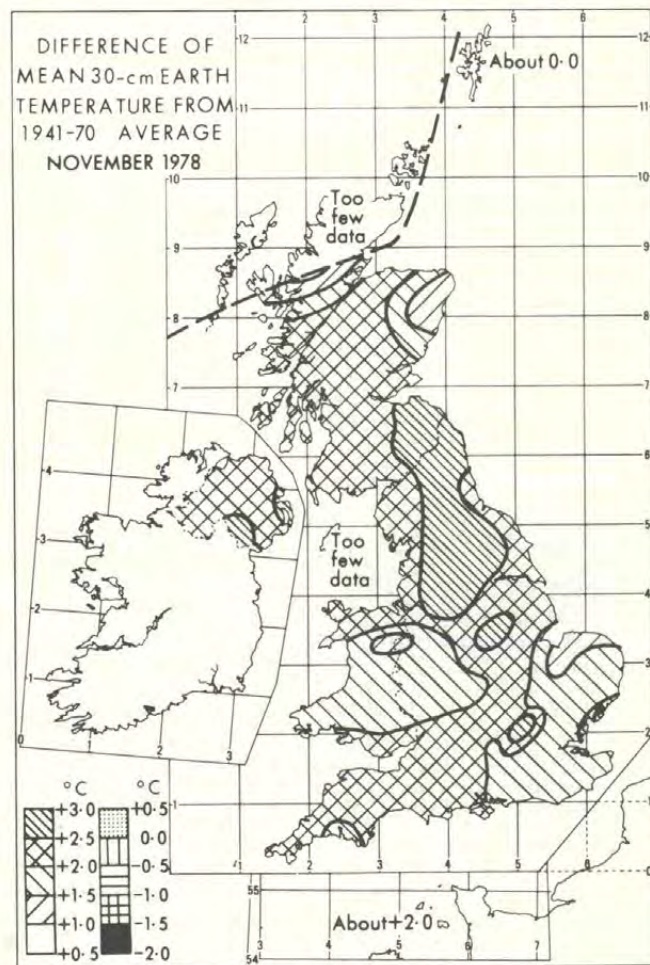
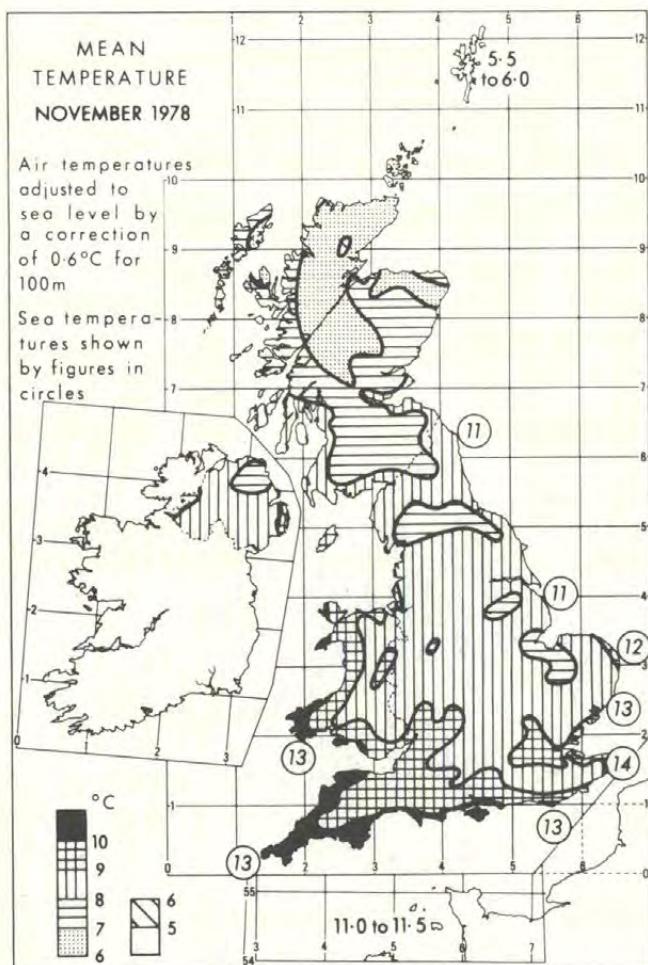
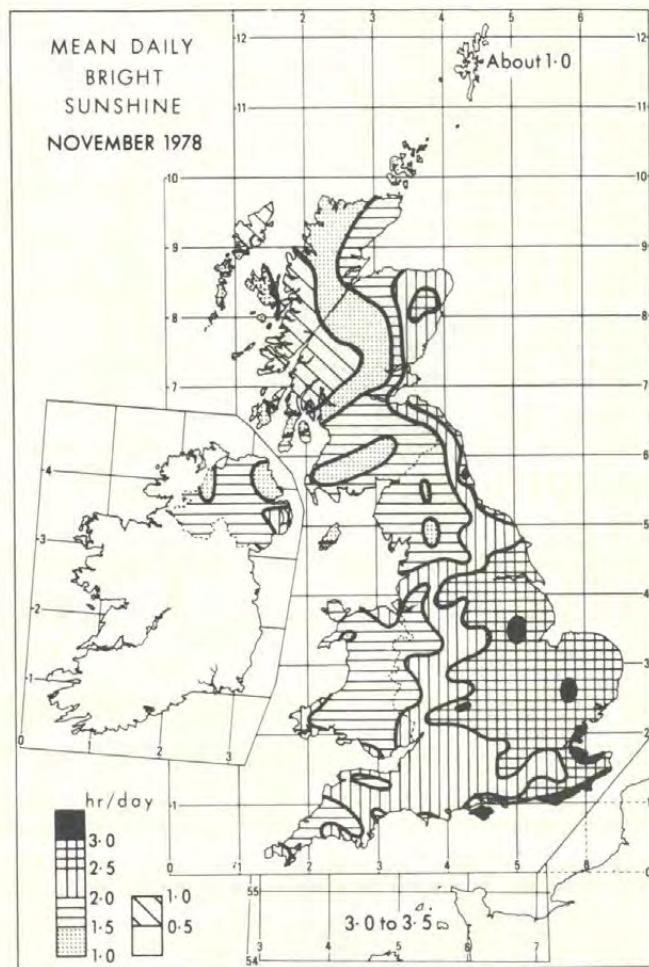
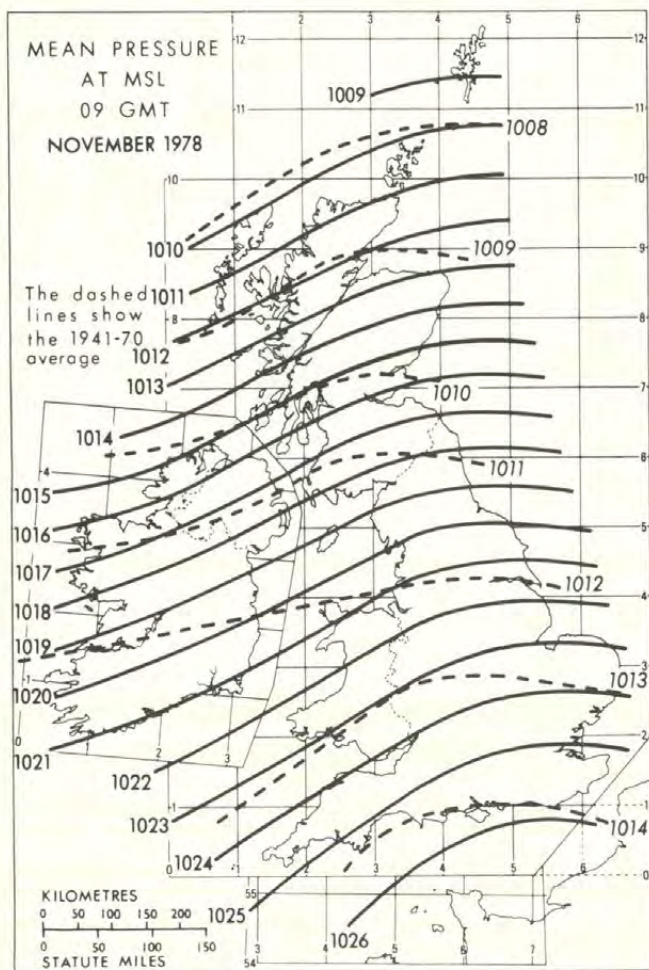




TABLE 2 SOLAR RADIATION

NOVEMBER 1978

STATION	DAILY GLOBAL IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)						DAILY DIFFUSE IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	3.4	2	0.2	15	1.4	30	3.1	2	0.2	15	1.1	30
ABERDEEN UNIVERSITY	4.8	2	0.7	10	2.4	30						
ESKDALENUIR	5.5	2	0.3	14.15	2.0	29	2.7	7	0.3	14.15	1.3	29
MOOR HOUSE	6.2	6	0.1	14	2.0	30						
SUTTON BONINGTON												
GRAFHAM WATER												
ABERPORTH	6.6	9	0.8	30	3.1	28	3.9	3	0.8	30	2.0	28
CARDINGTON												
SILSOE	6.0	26	1.2	15	3.8	30	3.4	2.3	1.1	26	2.2	30
ROTHAMSTED												
GARSTON												
WALLINGFORD	5.3	27	0.6	19	3.1	30						
LONDON WEATHER CENTRE												
KEM	6.2	7	0.6	19	3.3	30	3.7	3	0.6	19	2.2	30
EASTHAMPTON	5.7	26	0.5	19	3.5	30	4.0	3	0.5	19	2.1	30
EAST MALLING	7.3	16	0.3	19	3.9	30						
RUSTINGTON												
WAREHAM	7.2	5	0.9	14	3.6	30						
JERSEY AIRPORT	7.8	9	1.7	22	4.6	30	4.7	1	1.6	22	3.0	30
ALDERGROVE	6.3	2	0.5	30	2.2	30	2.6	1	0.6	23	1.6	30

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

NOVEMBER 1978

DISTRICT REGION/COUNTY AND PLACE			MAX. TERMINAL H(GMT) 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)	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	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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NOVEMBER 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT 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																
1 SCOTLAND E																																
GRAMPIAN																																
ABERDEEN																																
DYCE AIRPORT ...	21-9	58	9.6	3.9	6.7	+1.4	15.7	14	-4.4	29	-	-	27	32	9	14	11	8	6	4	0	4	0	0	7	15	11	1	0	2.49	128	-
BALMORAL ...	9 9	283	9.2	2.2	5.7	+2.4	15.2	4	-7.6	29	-	-	77	91	19	14	22	12	4	6	0	0	0	0	9	16	5	1	0	2.27	-	-
BANCHORY ...	9 9	94	10.5	3.9	7.2	-	16.5	5	-3.7	27	-	-	32	-	15	14	11	6	4	4	0	0	0	0	7	11	10	2	2	2.13	-	-
BANFF ...	9 9	24	10.5	4.5	7.5	-	16.7	5	-0.7	29	-	-	45	57	12	14	19	12	2	0	0	3	0	0	2	10	5	-	-	1.40	128	S
BRAEMAR ...	9 9	339	9.0	2.5	5.7	+2.3	14.4	4	-7.0	29	-	-	99	111	25	14	19	17	6	6	0	0	0	0	10	7	-	-	2.08	-	-	
CLASHNOIR ...	9 9	338	8.6	1.7	5.1	-	14.8	6	-6.2	29	5.8	8.7	54	-	14	12	20	11	11	6	0	0	1	0	5	14	1	1	2.61	133	-	
CRAIBSTONE ...	9 9	91	9.9	3.5	6.7	+1.4	15.6	5	-2.6	29	7.3	-	24	27	8	14	12	8	5	4	0	1	0	0	8	15	0	0	2.12	-	-	
CULTERTY ...	9 9	3	10.0	3.4	6.7	-	16.3	14	-5.1	29	-	-	30	41	8	14	14	8	2	4	0	0	0	0	8	15	0	0	-	-	-	
ELGIN ...	9 9	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FOREHILL ...	9 9	40	9.8	3.9	6.9	-	16.0	14	-1.8	28	-	-	36	-	11	14	16	9	5	0	0	2	0	0	5	12	0	1	0	-	-	
FORRES ...	9 9	5	10.4	3.8	7.1	+1.8	16.4	6	-1.6	29	7.5	8.9	84	-	15	14	21	15	7	1	0	3	0	0	5	16	0	0	1.75	97	S	
FRASERBURGH ...	21-9	19	10.2	4.8	7.5	-	16.5	14	-0.7	29	-	-	33	43	9	14	18	10	4	0	0	3	0	0	3	9	8	3	2	2.00	-	-
FYVIE CASTLE ...	9 9	55	10.4	2.5	6.5	-	16.5	5	-4.0	25	-	-	43	46	11	14	19	11	5	3	0	0	0	-	8	14	8	-	-	-	-	S
GARTLY ...	9 9	146	10.3	3.1	6.7	-	16.2	5	-5.9	29	-	-	40	-	12	14	15	9	-	6	-	-	-	-	5	15	0	-	-	-	-	-
GLENLIVET ...	21-9	215	9.1	3.3	6.2	-	17.4	6	-7.4	28	-	-	81	91	15	14	22	15	8	6	0	0	0	0	8	14	11	0	2.20	-	-	S
INVERURIE ...	9 9	54	10.5	2.9	6.7	-	16.6	5	-4.2	29	-	-	25	-	10	14	12	6	5	5	0	1	0	0	8	18	0	0	2.50	-	-	-
KEITH ...	9 9	106	9.9	2.0	5.9	-	16.4	4	-6.7	29	-	-	58	-	14	14	17	13	4	6	0	0	0	-	7	17	1	1	2.33	-	-	-
KINLOSS ...	21-9	5	9.7	4.6	7.1	+1.4	17.3	6	-1.6	28	8.6	-	74	132	15	14	19	14	8	1	0	5	0	0	5	15	9	2	1.86	-	-	-
LOSSIEMOUTH ...	21-9	6	9.6	3.7	6.7	-	16.3	6	-3.8	28	-	-	82	141	17	14	21	15	6	0	0	4	0	0	7	13	9	1	-	-	-	-
TAYSIDE																																
ARBROATH ...	9 9	29	10.2	5.2	7.7	-	14.9	4	-0.8	28	-	-	34	53	18	14	13	7	0	0	0	0	0	1	2	12	-	0	2.27	103	-	-
ARDALNAIG ...	9 9	130	9.6	3.9	6.7	-	14.6	4	-3.8	26	-	-	221	184	33	13	24	18	1	1	0	0	0	0	5	11	1	1	0.74	-	-	-
DALL ...	9 9	232	9.1	1.6	5.3	-	14.7	1	-8.1	27	-	-	221	208	32	13	24	20	7	7	0	0	0	2	9	0	0	0	-	-	-	-
DRUMMOND CASTLE ...	9 9	113	9.6	3.5	6.5	-	14.9	4	-4.1	29	8.0	-	239	-	45	14	20	18	2	1	0	0	0	0	8	13	-	0	1.40	-	-	S
DUNDEE ...	9 9	45	10.1	4.9	7.5	+2.0	14.6	14	-2.0	29	7.7	-	41	59	15	14	15	11	1	0	0	0	0	0	3	12	-	2	2.06	101	-	-
FASKALLY ...	9 9	94	9.9	2.8	6.3	-	15.1	4	-4.6	27	7.9	9.9	134	167	26	14	17	16	4	6	0	0	0	0	1	11	15	0	-	-	-	-
KINDROGAN ...	9 9	259	8.3	1.1	4.7	-	13.6	4	-6.9	27	-	-	134	-	25	12	20	15	6	7	0	0	0	0	1	12	20	0	-	-	-	-
KINROSS ...	9 9	116	9.6	3.5	6.5	-	14.3	4	-4.4	28	7.0	-	116	-	27	14	17	16	-	1	-	-	-	1	8	12	-	-	1.51	-	-	-
MONTROSE ...	9 9	57	9.7	4.0	6.9	-	14.7	14	-2.0	27	-	-	33	47	19	14	10	6	1	0	0	0	0	0	5	10	-	2	-	-	-	-
MYLNEFIELD ...	9 9	30	10.1	4.4	7.3	-	15.2	14	-2.4	29	8.0	9.8	47	71	18	14	15	12	1	0	0	0	0	0	5	12	-	1	1.90	-	-	-
PERTH ...	9 9	23	10.4	3.9	7.1	+1.9	14.9	14	-4.2	29	-	-	96	141	27	14	16	12	-	0	-	-	-	1	8	-	-	-	-	-	-	-
STRATHALLAN ...	9 9	41	10.5	4.0	7.3	-	15.3	14	-3.7	29	-	-	84	-	23	14	17	11	4	1	0	0	0	0	6	12	-	3	-	-	-	-
USAN ...	21-9	30	9.8	5.0	7.4	-	14.5	14	-1.7	26	-	-	32	-	17	14	11	8	3	0	0	0	0	1	5	6	6	4	2.40	-	-	-
WHITEHILLOCKS ...	9 9	258	9.5	2.9	6.2	-	15.2	4	-5.8	29	-	-	132	103	34	13	18	10	5	6	0	0	0	0	9	14	-	0	-	-	-	-
FIFE																																
BELLISTON ...	9 9	82	10.1	5.1	7.6	-	14.3	4	-2.3	28	8.9	-	45	60	23	14	14	8	1	0	0	0	0	1	4	10	-	2	-	-	-	-
CUPAR ...	9 9	36	10.3	3.9	7.1	-	15.4	4	-5.8	29	7.6	-	52	-	21	14	17	10	1	0	0	0	0	-	9	11	-	2	1.66	-	-	S
GLENROTHES ...	9 9	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEUCHARS ...	21-9	10	10.0	4.9	7.5	+1.6	15.8	4	-3.3	29	-	-	34	52	15	14	14	5	2	0	0	0	0	0	7	11	10	1	2.39	106	-	-
PITREAVIE ...	21-9	40	10.3	5.8	8.1	-	15.1	4	-3.4	28	-	-	79	119	18	14	18	13	2	0	0	2	0	0	5	6	6	3	-	-	-	-
ST ANDREWS ...	9 9	18	10.5	5.2	7.9	-	15.5	4	-2.3	29	7.9	9.6	31	46	14	14	13	6	1	0	0	0	0	0	4	8	-	0	1.99	-	-	-
LOTHIAN									</																							



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

NOVEMBER 1978

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	AMOUNT (MM)	DATE	PRECIP- ITATION	0.2 MM OR MORE	1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS-ETC.	THUNDER HEARD	FDD AT 9H	AIR FROST	GRASS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	ORLE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE		
				MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																								
																																		NOVEMBER	1971
6 SCOTLAND W																																			
STRATHCLYDE																																			
ACHAGLACHGACH ...		99	12	10.7	5.1	7.9	-	14.8	8	-5.7	28	-	-	207	120	33	14	26	22	2	0	0	2	0	0	4	8	-	-	-	-	-	-		
AROS ...		99	37	10.8	4.7	7.7	-	(15.1)	7	-5.0	28	-	-	294	-	31	12	25	24	2	2	0	0	1	0	0	4	13	-	-	-	-	-		
AUCHINCRIE ...		99	45	10.6	5.6	8.1	+2.0	15.4	7	-5.6	28	9.5	10.6	127	141	17	14	25	24	0	0	1	0	0	0	3	7	-	-	1.73	94	-	-		
BENMORE(YOUNGER BOTANIC GARDEN)		99	12	10.4	4.7	7.5	-	15.4	4	-3.9	28	9.2	-	350	162	44	13	23	22	2	0	0	3	1	0	5	11	-	-	-	-	-	-		
BRODICK CASTLE ...		99	15	11.4	5.9	8.7	-	15.1	18	-4.0	28	9.4	-	281	150	31	14	21	21	2	5	2	3	1	0	3	6	-	-	-	-	-	-		
CAMPS RESERVOIR ...		99	295	8.4	2.9	5.7	-	12.8	4	-8.7	28	-	-	162	130	39	15	22	19	10	6	0	5	1	5	7	-	-	-	1.15	-	-	5		
CARNWATH ...		99	208	9.2	2.8	6.0	-	13.6	4	-10.1	28	8.4	-	104	129	18	15	20	15	5	1	2	0	1	0	7	11	7	11	-	-	-	-		
COATBRIDGE ...		99	66	9.9	4.6	7.3	-	14.5	4.7	-6.5	28	-	-	134	168	21	14	20	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
COLONSAY ...		99	35	10.7	6.0	8.3	-	14.5	4	0.0	29	-	-	183	-	33	14	23	21	1	0	0	2	1	0	0	-	-	-	-	-	-	-		
CRAIGHOUSE ...		99	4	11.0	5.6	8.3	-	14.7	4	-2.4	28	-	-	230	-	37	14	24	23	3	0	3	2	0	0	3	9	-	-	-	-	-	-		
CRAWFORD JOHN ...		99	274	8.7	3.2	5.9	-	13.5	14	-9.0	28,29	8.4	-	-	-	-	-	-	-	7	5	0	0	0	0	6	9	8	4	1.57	-	-	-		
CUMNOCK ...		99	99	10.1	4.3	7.2	-	14.5	5	-8.3	28	9.1	-	151	-	25	15	23	17	1	3	0	0	0	1	5	7	-	-	-	1.59	-	-		
DUNSTAFNAGE ...		99	3	10.7	5.2	7.9	-	15.1	4	-3.7	28	-	-	277	-	38	14	25	23	2	0	0	2	0	1	3	8	-	-	-	-	-	-		
EAST KILBRIDE ...		99	178	9.3	4.5	6.9	-	13.8	4	-6.0	28	-	-	217	-	29	14	21	20	4	6	0	2	0	-	4	8	-	-	-	-	-	-		
GIRVAN ...		99	8	11.2	6.0	8.6	-	15.5	4	-4.5	28	-	-	128	124	13	12,23	22	17	2	0	0	2	0	0	3	5	-	-	-	-	-	-		
GLASGOW																																			
ABBOTSLINCH AIRPORT ...		21-9	5	10.3	5.5	7.9	+1.9	15.2	4	-7.0	28	-	-	174	-	30	13	22	20	2	0	0	5	0	1	6	8	7	2	-	1.63	105	-	-	
SPRINGBURN PARK ...		99	107	9.5	4.8	7.1	+1.8	14.3	4	-3.9	28	-	-	145	152	24	13	22	19	4	1	0	1	0	6	5	10	-	-	-	-	-	-		
WEATHER CENTRE (X)		21-9	40	10.4	6.9	8.7	-	15.2	4	-2.5	28	-	-	141	-	22	13	22	19	2	-	2	0	1	0	3	-	-	-	-	1.68	-	-		
GREENOCK ...		99	61	-	-	-	-	-	-	-	-	-	-	262	181	42	14	22	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
HELENSBURGH ...		99	96	9.5	4.2	6.9	+1.3	13.6	14	-4.6	28	-	-	236	178	42	14	24	20	-	6	-	-	-	0	4	-	-	-	-	-	-	-		
HUNTERSTON ...		99	8	10.6	6.7	8.7	-	15.0	14	-2.8	28	-	-	111	-	20	14	22	16	2	0	0	1	0	0	3	-	-	-	-	-	-	-		
KILDONAN ...		99	18	10.6	6.1	8.3	-	14.0	7	-1.6	28	-	-	127	-	19	14	20	19	1	-	0	0	0	1	4	6	5	5	-	1.62	-	-		
KNAPDALE FOREST ...		99	12	10.7	4.6	7.7	-	15.3	4	-7.0	28	-	-	264	-	33	14	22	22	1	0	0	1	0	0	4	10	-	-	-	-	-	-		
LEADHILLS ...		99	388	8.1	2.9	5.5	-	12.5	7	-9.3	28	-	-	193	119	37	15	23	20	6	6	0	0	1	3	7	8	-	-	-	-	-	-		
MACHRIANISH ...		21-9	10	11.1	7.0	9.1	-	15.8	4	-4.4	28	-	-	113	90	14	14	20	20	1	0	1	6	0	0	3	5	4	7	-	1.54	-	-		
MILLPORT ...		99	5	10.9	6.5	8.7	-	15.0	14	-1.5	28	-	-	113	106	22	14	22	19	3	-	0	0	0	0	2	-	-	-	-	-	-	-		
PAISLEY ...		99	32	10.4	5.5	7.9	+1.6	15.0	4	-3.3	28	8.9	11.1	200	192	33	14	22	21	3	0	0	0	0	1	3	7	-	-	-	-	-	-		
PRESTWICK ...		21-9	16	10.5	6.3	8.4	-	15.3	7	-6.5	28	-	-	118	135	16	14	20	20	2	0	4	0	0	0	4	6	6	0	-	1.47	102	-	-	
RHUVAL ...		21-9	20	10.7	7.1	8.9	-	15.2	4	0.1	28	-	-	127	167	28	13	24	22	1	0	5	0	1	0	0	2	2	6	-	-	-	-	-	
ROTHESAY ...		99	43	10.5	6.1	8.3	-	15.0	4	-2.5	28	9.1	10.3	173	130	24	14	22	21	0	0	0	0	0	0	3	5	-	-	-	-	-	-		
SLOY ...		21-9	12	10.2	5.6	7.9	-	15.2	4.14	-3.8	27	-	-	499	-	73	13	25	23	3	-	1	0	0	0	5	-	-	-	-	-	-	-		
STRONACHULLIN ...		99	2	11.2	5.5	8.3	-	16.1	4	-2.7	28	-	-	279	-	36	14	23	21	1	1	0	1	0	1	4	8	-	-	-	-	-	-		
TIREE ...		21-9	9	10.2	6.6	8.4	+0.8	14.0	4	-1.1	28	-	-	183	160	22	14	25	22	0	1	0	8	1	0	1	4	4	6	-	1.04	62	-	-	
UPLAWMOOR ...		99	128	9.3	4.2	6.7	-	14.0	4	-6.7	27	-	-	221	-	28	14	22	21	4	3	1	5	0	0	5	10	-	-	-	-	-	-	-	
CENTRAL																																			
ARROCHMORE ...		99	30	-	4.7	-	-	-	-	-4.1	28	-	-	274	-	39	14	25	22	3	0	0	0	1	0	5	11	-	-	-	-	-	-	-	
CALLANDER ...		99	107	9.2	3.5	6.3	-	13.5	6	-4.5	28	-	-	305	227	47	14	23	21	3	1	0	0	0	0	8	12	-	-	-	-	-	-	-	
EARLS HILL ...		21-9	335	7.6	3.1	5.3	-	11.9	4	-4.8	28	-	-	253	-	39	14	21	19	3	3	0	0	1	1	6	10	10	12	-	1.45	-	-	-	
FALKIRK ...		99	3	10.7	5.0	7.9	-	15.2	4	-6.3	28	-	-	138	-	24	14	20	15	1	0	0	0	0	0	6	-	-	-	-	-	-	-	-	
GRANGEMOUTH ...		99	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
PARKHEAD ...		99	107	10.6	4.5	7.5	-	15.6	4	-4.0	28,29	8.6	-	139	-	30	14	20	19	-	0	-	-	-	0	6	-	-	-	-	-	-	-	-	
STIRLING(BATTERFLATS)		99	38	10.3	4.2	7.3	-	14.9	4	-5.2	28	9.3	10.5	168	-	37	14	21	17	3	1	0	0	1	1	7	10	-	-	-	-	-	-	-	
DUMFRIES & GALLOWAY																																			
BARGRENNAN ...		99	110	9.9	4.0	6.9	-	13.1	4	-6.2	27,28	-	-	152																					



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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NOVEMBER 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HIGHT OF OBSERVATION	MIN. TERMINAL HIGHT 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	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		
				MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																						
2 ENGLAND E & NE -CONTINUED																																	
DURHAM	99	102	10.7	4.7	7.7	+1.9	15.8	18	-6.3	30	9.0	10.5	25	35	11	23	9	7	-	1	-	-	-	4	5	8	-	-	2.16	108	5		
DURHAM ...	99	155	10.2	3.6	6.9	-	15.3	4	-7.6	30	8.7	9.8	31	-	11	23	12	6	2	1	0	0	0	3	7	15	7	3	-	-	-		
LOW ETHERLEY ...	99	513	7.8	2.7	5.3	-	14.0	6	-6.3	28	7.1	-	187	-	32	14	20	20	-	6	-	-	-	5	7	9	-	-	1.84	-	-		
WIDDYBANK FELL ...																																	
CLEVELAND	99	31	11.0	4.2	7.6	-	17.0	2	-7.0	30	-	-	25	41	11	23	9	7	2	3	0	0	0	2	6	9	-	2	2.02	-	-		
HARTBURN GRANGE ...	99	9	11.5	5.8	8.7	+1.8	16.8	4	-3.0	30	-	-	42	61	20	23	10	7	2	3	0	0	0	0	4	9	-	-	3.01	-	-		
HARTLEPOOL ...																																	
NORTH YORKSHIRE	99	33	11.3	4.4	7.9	-	16.9	4	-6.8	30	-	-	24	37	6	15	9	6	1	2	0	0	0	2	6	10	-	0	2.38	139	-		
ASKHAM BRYAN ...	99	6	11.5	4.9	8.2	-	17.0	4	-6.3	30	9.6	10.9	17	27	4	15	8	6	1	1	0	0	0	1	5	10	-	0	2.51	-	-		
CRAWOOD ...	99	175	10.0	4.7	7.3	-	14.8	4	-4.5	30	8.6	-	32	37	7	23	12	8	3	3	0	0	0	4	6	6	-	0	2.44	-	-		
HIGH MOWTHORPE ...	99	32	10.8	5.9	8.3	-	16.5	4	-6.9	30	8.9	10.9	32	50	10	23	9	5	2	1	0	1	0	4	5	8	6	0	2.32	-	-		
LEEMING ...	21-9	10	10.3	4.4	7.3	-	14.7	2	-3.7	30	8.3	-	53	52	17	23	20	13	2	4	0	0	0	3	6	9	-	0	2.40	-	-		
MALHAM TARN ...	99	395	8.4	3.0	5.7	+1.6	12.2	4	-10.4	29	8.5	-	148	98	24	14	18	17	1	3	0	0	0	4	6	9	-	0	-	-	-		
PICKERING ...	99	44	10.7	3.8	7.3	-	15.9	4	-6.7	30	9.0	-	32	43	7	23	14	9	4	3	1	0	0	0	2	7	13	-	0	-	-		
SCARBOROUGH ...	99	52	11.3	5.8	8.5	-	15.6	4.5	-1.5	30	8.9	10.6	36	50	9	23	14	8	2	1	1	2	0	0	4	6	6	3	2.38	138	-		
SILPHO MOOR ...	99	203	10.3	4.4	7.3	-	14.7	2	-3.7	30	8.3	-	53	52	17	23	20	13	2	4	0	0	0	3	6	9	-	0	2.40	-	-		
SNARZEHOE ...	99	290	8.9	3.8	6.3	-	12.7	4	-6.6	29	8.4	-	248	-	48	14	21	17	2	2	0	0	0	6	7	8	-	1	1.18	-	5		
WHITBY ...	99	41	11.3	5.5	8.4	-	16.3	2	-2.8	30	-	-	30	-	9	23	11	8	4	1	0	0	0	0	5	7	-	5	2.90	-	-		
WHITBY (COASTGUARD)	21-9	60	11.0	6.3	8.7	-	16.0	18	-3.3	30	-	-	27	-	9	23	12	8	3	0	0	0	0	3	5	5	2	-	-	-	-		
YORK (HESLINGTON)	99	19	11.7	4.8	8.3	-	17.5	18	-5.5	30	9.6	10.8	18	28	5	23	9	5	1	2	0	0	0	0	7	11	-	0	2.57	-	-		
HUMBERSIDE	99	48	11.1	4.7	7.9	-	15.1	1	-2.6	27	-	-	29	35	7	27	12	9	4	2	0	2	0	4	6	8	-	4	2.57	-	-		
BRIDLINGTON ...	99	7	11.6	5.8	8.7	+2.0	16.5	2	-3.0	30	-	-	29	44	7	19	9	8	-	1	-	-	-	0	3	-	-	-	2.63	141	-		
CLEETHORPES ...	99	2	11.8	5.4	8.6	+1.9	16.3	8	-5.1	30	9.3	11.4	29	43	7	12	10	7	2	3	0	0	0	0	5	7	-	0	2.93	177	-		
HULL ...	99																																
LINCOLNSHIRE	21-9	108	10.1	5.2	7.7	-	15.0	18	-5.6	30	-	-	33	43	8	19	11	9	4	3	0	2	0	2	6	7	6	1	-	-	-		
BINBROOK ...	99	21	10.9	4.5	7.7	-	15.6	8	-7.9	30	-	-	28	-	7	19	9	7	-	-	-	-	-	-	7	-	-	-	-	-	-		
CRISTOR ...	99	62	11.3	4.6	7.9	+1.8	16.3	18	-8.0	30	9.1	11.0	23	37	10	19	8	5	2	1	0	0	0	3	5	7	6	2	3.29	165	-		
CRANWELL ...	99	4	10.9	4.3	7.6	-	16.3	2	-10.0	30	9.7	11.3	20	-	6	19	8	5	3	3	0	0	0	5	5	9	-	1	2.65	-	-		
KIRTON ...	99	6	11.2	4.1	7.7	+1.6	16.3	18	-8.5	27.30	10.1	11.0	22	-	5	12	7	7	0	1	-	-	-	2	6	11	-	0	2.50	-	-		
LINCOLN ...	99	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SKEGNESS ...	99	4	11.4	4.6	8.0	-	16.8	8	-9.0	30	-	-	19	34	6	24	9	5	2	-	0	0	0	-	5	9	-	0	-	-	-		
SUTTON BRIDGE ...	21-9	68	11.1	5.6	8.3	+2.1	16.2	18	-5.7	30	-	-	19	30	5	24	7	5	2	0	0	0	0	2	5	9	6	0	2.99	153	-		
WADDINGTON ...																																	
3 EAST ANGLIA																																	
NORFOLK	21-9	17	11.9	5.7	8.8	-	17.7	2	-1.6	30	-	-	39	58	7	27	14	9	4	1	0	4	0	2	5	11	7	0	-	-	-	-	
COLTISHALL ...	99	54	11.9	6.1	9.0	+2.0	16.4	8	0.5	28	-	-	36	53	7	24	13	11	6	-	0	0	0	2	0	4	-	0	3.02	147	-		
CROMER ...	99	2	11.8	6.3	9.1	+1.6	17.1	8	-0.8	27	10.1	11.7	30	44	9	26	9	7	1	-	0	2	0	1	2	-	-	1	2.57	127	-		
GORLESTON ...	99	2	11.8	6.3	9.1	+1.6	17.1	8	-0.8	27	10.1	11.7	30	44	9	26	9	7	1	-	0	2	0	1	2	-	-	1	2.57	127	-		
MARHAM ...	21-9	23	11.2	4.3	7.7	-	17.1	8	-6.1	30	-	-	34	-	7	19	11	7	2	3	0	0	0	6	5	10	7	0	2.70	-	-		
MORLEY ST BOTOLPH ...	99	46	11.2	4.8	8.0	-	16.5	2	-4.2	30	9.2	-	25	-	5	24	9	6	3	3	0	0	0	4	5	9	-	0	2.78	-	-		
SANTON DOWNHAM ...	99	24	11.4	3.4	7.4	-	17.0	8	-9.7	30	9.6	10.9	27	41	7	19	10	7	2	3	0	1	0	3	6	7	-	0	2.41	-	-		
SCOLE ...	99	27	11.6	4.7	8.1	-	17.0	2.8	-6.2	30	8.7	10.4	26	-	6	27	10	6	2	3	0	1	0	3	6	7	-	0	2.96	-	5		
TERRINGTON ST CLEMENT	99	3	11.3	4.3	7.8	+1.5	16.5	2.8	-7.6	30	9.2	-	25	44	7	27	10	5	1	3	0	0	0	4	5	9	-	0	2.63	131	-		
CAMBRIDGESHIRE	99	53	11.4	4.9	8.1	-	17.2	2	-9.5	30	-	-	15	28	5	24	8	5	1	1	0	0	0	4	5	6	-	0	2.81	-	-		
BOXWORTH ...																																	



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

NOVEMBER 1978

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 HRS)	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	AMOUNT (MM)	DATE	PRECIP- ITATION	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	
			MAX. (A)	MIN. (B)																											
4 MIDLAND COUNTIES																															
WEST YORKSHIRE																															
BRADFORD ... .. 9 9 134 10.9 5.3 8.1 +2.2 15.9 4 -3.5 30 9.4 11.1 56 63 12 23 15 10 1 0 0 0 0 2 5 12 - 0 2.48 176 S																															
BRAMHAM ... .. 9 9 54 -																															



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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NOVEMBER 1978

DISTRICT REGION/COUNTY AND PLACE			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	AMOUNT (MM)	DATE	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																						
5 ENGLAND SE & CENTRAL S. GREATER LONDON			99	65	12.1	5.8	8.9	+1.8	18.0	8	-5.0	28	-	-	13	19	5	12	5	5	-	0	-	-	-	-	-	-	-	-	-	
BROMLEY ...			99	7	12.4	6.5	9.5	-	17.4	8	-5.5	30	-	-	17	27	6	12	6	4	1	1	0	0	0	0	3	4	6	-	-	
GREENWICH ...			99	137	11.4	-	-	-	16.4	1.7	-	-	-	-	15	21	4	12	6	5	1	0	0	0	0	0	-	-	10	0	-	
HAMPSTEAD ...			99	12	12.1	6.3	9.2	+1.9	17.2	8	-3.5	27.30	-	-	16	25	6	12	7	4	1	0	0	0	0	4	5	5	8	0	-	
HAMPTON ...			99	98	12.1	5.1	8.6	-	17.0	8	-4.3	30	11.1	12.4	18	-	6	19	8	4	-	-	-	-	-	-	5	5	-	-	-	
HARROW WEALD ...			21-9	25	12.5	6.5	9.5	+2.3	17.7	1	-4.4	30	-	-	8	13	3	12	6	3	1	0	0	0	0	2	4	8	7	0	-	
HEATHROW AIRPORT ...			99	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KENSINGTON PALACE ...			99	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KEM ...			21-9	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PSYCHROMETER ...			21-9	5	12.0	5.7	8.9	-	17.3	8	-7.2	30	10.5	11.8	13	21	6	12	7	4	1	0	0	0	0	2	6	15	7	0	-	
NORTH WALL SCREEN ...			99	5	12.1	7.0	9.5	+2.0	17.3	2	-3.7	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LONDON																																
WEATHER CENTRE (X) ...			21-9	77	12.9	8.3	10.6	-	17.3	2	-0.4	28	-	-	12	-	5	12	5	4	1	0	0	0	0	1	2	-	-	-	-	-
ST JAMES PARK ...			99	9	12.4	7.3	9.9	+2.2	17.5	2	-1.4	27.30	-	-	14	23	5	12	5	4	-	0	0	0	-	-	4	7	-	-	-	
SOUTHGATE ...			99	67	(12.0)	6.0	(9.0)	(+2.0)	17.1	1	-4.1	30	10.6	-	19	29	6	24	6	5	1	1	0	0	0	2	5	-	-	-	-	
WADDON ...			99	59	12.1	6.3	9.2	+2.1	17.5	18	-6.0	30	-	-	15	21	5	12	6	5	-	-	-	-	-	-	-	-	-	-	-	
MILTSHIRE																																
BOSCOMBE DOWN ...			21-9	126	11.4	5.4	8.4	+1.7	16.5	2	-5.0	29	10.2	11.8	26	32	9	19	10	6	0	0	0	0	5	5	11	9	1	-	-	
LACOCK ...			99	49	11.7	4.1	7.9	-	16.3	1	-8.9	27	-	-	24	32	7	18	15	6	1	0	0	0	5	6	10	-	-	-	-	
LARKHILL ...			99	132	11.6	5.1	8.3	+1.9	16.7	5	-4.9	27	-	-	33	40	13	19	12	7	1	0	0	0	4	5	9	7	0	-	-	
LYNEHAM ...			21-9	145	10.9	5.6	8.3	+1.8	15.3	8	-5.2	29	-	-	31	41	8	18	11	8	1	0	0	0	4	5	9	8	0	-	-	
PORTON ...			99	111	11.5	4.8	8.1	+1.8	17.0	5	-6.4	29	9.9	-	24	28	7	19	10	6	-	0	-	-	-	-	5	11	9	0	-	
TROWBRIDGE ...			99	37	11.7	4.2	7.9	-	16.6	2	-8.1	27	9.9	-	32	-	11	18	11	7	2	0	0	0	0	3	5	10	-	-	-	
UPVON ...			21-9	179	10.8	5.3	8.1	-	16.9	8	-4.8	27	-	-	30	36	9	19	15	5	1	0	0	0	0	3	5	9	6	0	-	
BERKSHIRE																																
EASTHAMPTON ...			99	77	11.7	4.4	8.1	-	17.1	8	-8.2	29	10.2	11.2	15	-	4	19	6	4	0	0	0	0	0	2	7	10	8	0	-	
HURLEY ...			99	43	11.8	4.8	8.3	-	16.8	8	-5.9	30	9.5	-	21	29	7	19	11	4	1	0	0	0	0	7	5	10	-	-	-	
LAMBOURN (WARREN FARM) ...			99	192	10.7	4.9	7.8	-	15.6	8	-4.2	28	9.9	-	33	-	10	18	12	5	0	0	0	0	0	-	5	-	-	-	-	
READING ...			99	66	11.7	5.4	8.5	-	17.4	8	-4.5	29	10.1	11.7	21	-	9	12	8	5	0	0	0	0	0	3	4	12	7	0	-	
SHINFIELD (N.I.R.D.) ...			99	62	11.7	5.3	8.5	-	17.5	8	-5.2	27	-	-	22	-	10	12	8	5	0	0	0	0	0	5	5	10	-	-	-	
SURREY																																
WISLEY ...			99	32	12.4	5.6	9.0	+2.2	17.5	8	-7.6	30	9.8	11.6	19	27	10	12	11	4	0	0	0	0	1	6	4	8	-	-	-	
KENT																																
DOVER R.M.S. ...			99	123	-	6.2	-	-	-	-	-1.7	27	-	-	28	24	5	28	10	8	2	1	0	0	0	1	4	-	-	-	-	-
DUNGENESS ...			99	6	12.1	7.4	9.7	-	16.5	5	-4.3	30	-	-	14	16	5	19	10	4	2	0	0	0	0	0	5	-	-	-	-	
EAST MALLING ...			99	52	12.0	5.7	8.9	+2.2	17.0	8	-6.1	30	9.7	11.3	13	17	5	12	7	5	2	1	0	0	0	2	5	11	7	1	-	
EDENBRIDGE ...			99	45	11.8	2.9	7.3	-	17.0	1.8	-10.6	30	-	-	12	-	4	15	9	5	-	-	-	-	-	-	10	-	-	-	-	
ELMSTONE ...			99	5	12.4	4.7	8.5	-	18.4	5	-6.7	30	-	-	19	22	5	12	9	6	1	0	0	0	0	1	6	-	-	-	-	
FAVERSHAM ...			99	48	11.8	6.1	8.9	-	16.9	5	-4.6	30	9.7	11.5	14	17	4	12	8	5	2	0	0	0	0	1	3	9	-	-	-	
FOLKESTONE ...			99	31	11.6	5.9	8.7	-	15.7	5	-3.9	30	-	12.1	17	18	5	28	9	6	2	0	0	0	0	0	6	14	-	-	-	
GILLINGHAM ...			99	3	12.4	7.1	9.7	-	17.5	2.8	-4.5	30	-	-	14	21	5	12	7	4	-	0	-	-	-	-	5	-	-	-	-	
GOUDHURST ...			99	85	11.1	5.0	8.1	+1.8	15.6	2	-7.2	30	-	-	15	16	6	12	6	4	1	0	0	0	0	3	5	11	-	-	-	
HADLOW COLLEGE ...			99	27	11.7	4.5	8.1	-	17.2	8	-6.5	30	9.7	11.8	14	-	6	12	6	5	2	0	0	0	0	3	7	13	-	-	-	
HERNE BAY ...			99	31	11.9	6.2	9.1	-	17.0	1.2.5	-3.0	30	10.5	-	20	-	5	28	10	7	0	0	0	0	0	1	5	-	-	-	-	
MANSTON ...			21-9	44	11.6	6.3	8.9	-	16.8	5	-3.0	30	-	-	21	25	4	12	9	7	3	0	0	0	0	0	2	2	2	0	-	
MARGATE ...			99	16	12.0	7.7	9.9	+1.7	16.7	5	0.1	30	10.1	11.9	19	25	4	12	9	7	1	0	0	0	2	0	0	1	-	-	-	
ULCOMBE ...			21-9	47	11.8	4.9	8.3	-	17.1	8	-6.6	30	-	-	14	-	5	12	9	7	2	0	0	0	0	3	6	12	9	0	-	
WYE ...			99	56	11.6	5.7	8.7	+1.9	17.0	5	-4.5	30	10.4	11.6	19	21	5	12	8	6	3	1	0	0	0	3	5	14	-	-	-	-
HAMPSHIRE																																



DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT 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		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	DRLE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE						
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE					ARGUMENT (MM)	DATE																				
																															0.2 MM OR MORE	1.0 MM OR MORE				
7A ENGLAND NM & I.O.M.																																				
CUMBRIA																																				
CARLISLE ...	21-9	26	10.9	6.4	8.7	-	15.9	6	-5.1	29	9.8	11.2	98	119	16	23	18	16	2	0	0	0	0	6	7	5	0	2.03	-	-	-	-	-	-		
CARTMEL ...	9-9	35	10.6	5.0	7.8	-	14.1	7	-7.1	27	-	-	159	-	25	15	18	16	0	0	0	0	1	8	-	-	0	-	-	-	-	-	-	-		
GRIZEDALE ...	9-9	91	(10.5)	(4.2)	(7.3)	-	14.0	3	-6.2	27	-	-	(180)	(92)	29	17	(21)	(18)	1	0	0	0	6	8	-	-	0	-	-	-	-	-	-	-		
MOOR HOUSE ...	9-9	556	7.0	1.8	4.4	-	13.4	6	-8.0	29	6.9	-	222	101	40	14	20	18	5	6	0	1	0	3	7	13	9	1.22	-	-	-	-	-	-		
NEWTON RIGG ...	9-9	171	10.4	4.5	7.5	+2.0	16.0	18	-5.8	27	8.5	-	118	119	29	15	17	16	1	0	0	0	0	4	7	-	1.74	99	5	-	-	-	-	-		
SELLAFIELD ...	9-9	13	-	7.0	-	-	-	-	-2.4	27	-	-	120	107	26	23	19	16	0	0	0	0	3	6	-	0	-	-	-	-	-	-	-	-		
LANCASHIRE																																				
HAZELRIGG ...	9-9	95	10.6	6.1	8.3	-	14.8	7	-3.2	28	9.2	-	127	-	27	18	18	13	1	0	0	3	0	1	4	6	6	3	1.79	-	-	-	-	-	-	
HELMSHORE ...	9-9	260	9.4	4.7	7.1	-	13.5	4	-4.0	27.28	9.1	-	138	91	24	18	17	14	0	0	0	1	2	5	6	-	2.11	-	-	-	-	-	-	-		
KIRKHAM ...	9-9	24	11.0	5.9	8.5	-	16.0	4	-6.0	29	-	-	93	102	19	18	13	11	1	0	0	1	0	0	4	7	-	1.90	-	-	-	-	-	-	-	
MORECAMBE ...	9-9	7	11.1	6.8	8.9	+2.0	14.9	4.7	-3.7	27	-	-	128	133	24	18	17	14	0	0	0	0	0	0	3	7	-	1.74	93	-	-	-	-	-	-	
PRESTON ...	9-9	33	11.3	6.1	8.7	-	15.6	4	-5.4	27	-	-	112	114	20	23	15	12	1	0	0	1	0	0	4	7	-	-	-	-	-	-	-	-	-	
SLAIBURN ...	9-9	192	10.0	4.8	7.4	-	14.0	11	-4.7	29	-	-	224	143	51	14	20	16	2	0	5	0	0	5	7	-	1.61	-	-	-	-	-	-	-	-	
SQUIRES GATE AIRPORT ...	21-9	10	11.1	6.7	8.9	+1.9	15.9	4	-5.4	27	-	-	82	96	18	18	14	11	2	0	0	3	0	0	4	6	5	0	1.98	103	-	-	-	-	-	
STONYHURST ...	9-9	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERSEYSIDE																																				
ALBURNTH ...	9-9	12	12.1	6.8	9.5	-	16.6	5	-2.8	28	-	-	75	-	17	18	12	8	1	0	2	1	1	2	4	6	5	2	1.91	-	-	-	-	-	-	
BIDSTON ...	9-9	60	11.4	6.9	9.1	-	15.8	4	-1.7	28	-	-	65	-	12	23	10	9	2	0	3	0	1	0	3	4	-	2.10	-	-	-	-	-	-	-	
ST HELENS ...	9-9	76	11.2	5.5	8.3	-	16.7	4	-4.6	28	8.7	-	69	-	19	18	13	9	0	-	1	3	1	-	5	-	0	1.91	-	-	-	-	-	-	-	
SOUTHPORT ...	9-9	5	11.2	6.0	8.6	+1.9	16.3	4	-4.3	29	9.2	11.7	106	124	20	23	13	10	-	-	-	-	-	-	4	7	-	2.15	116	-	-	-	-	-	-	
WEST KIRBY PARK ...	9-9	7	-	7.4	-	-	-	-	-0.4	29.30	-	-	64	82	17	23	13	8	-	0	-	-	-	-	2	6	-	-	-	-	-	-	-	-	-	
GREATER MANCHESTER																																				
BOLTON ...	9-9	107	10.7	5.1	7.9	-	15.1	4	-3.6	27	9.6	10.6	80	-	17	18	15	13	0	0	2	1	0	1	4	7	-	1.85	136	5	-	-	-	-	-	
MANCHESTER																																				
RINGWAY AIRPORT ...	21-9	75	10.9	6.2	8.5	+2.0	15.8	4	-4.7	27	-	-	66	84	22	18	10	8	1	0	1	0	0	0	5	8	5	0	2.50	152	-	-	-	-	-	
WEATHER CENTRE (X)	21-9	69	11.6	7.3	9.5	-	16.3	4	-2.7	27	-	-	68	-	24	18	11	7	1	-	0	2	0	0	3	-	0	2.49	-	-	-	-	-	-	-	-
CHESHIRE																																				
KNUTSFORD ...	9-9	65	11.1	4.5	7.8	-	16.0	4	-6.2	27	9.5	10.9	65	79	20	18	10	9	0	0	0	1	0	-	5	9	-	-	-	-	-	-	-	-	-	
MACCLESFIELD ...	9-9	152	10.3	4.9	7.6	+1.7	15.5	4	-5.5	28	-	-	76	86	19	18	14	10	1	1	1	0	1	0	5	-	0	-	-	-	-	-	-	-	-	
NESS GARDENS ...	9-9	30	11.7	5.4	8.5	-	16.5	4	-4.2	29	9.2	-	60	80	15	25	11	8	0	0	3	0	1	0	4	9	-	2.06	-	-	-	-	-	-	-	
ISLE OF MAN																																				
DOUGLAS ...	9-9	85	10.9	6.8	8.9	+1.4	14.7	7	-2.1	28	-	-	105	87	17	23	22	18	0	0	3	0	1	1	3	4	-	1.42	67	-	-	-	-	-	-	
POINT OF AYRE ...	21-9	9	11.5	7.5	9.5	+1.2	15.9	4	0.6	25.28	-	-	87	97	14	25	20	16	1	0	2	0	0	0	0	-	-	1.52	78	-	-	-	-	-	-	
RONALDSWAY AIRPORT ...	21-9	16	11.4	7.7	9.5	+1.5	15.2	7	-2.4	28	-	-	79	86	15	23	21	12	3	0	0	3	1	1	4	6	3	3	1.55	75	-	-	-	-	-	-
7B WALES N																																				
GWYNEDD																																				
BALA ...	9-9	163	11.0	4.4	7.7	-	15.3	1	-6.3	28	9.5	10.9	188	137	35	18	20	17	3	2	2	0	0	3	5	11	8	2	1.63	-	-	-	-	-	-	
BARDSEY ISLAND ...	21-9	15	11.8	9.1	10.5	-	14.6	7	1.9	28	-	-	50	49	13	15	15	7	0	0	0	0	0	0	0	0	0	4	-	-	-	-	-	-	-	
BETWS-Y-COED ...	9-9	20	-	(5.3)	-	-	-	-	-5.4	29	(9.6)	-	228	-	32	23	23	18	1	5	1	0	0	-	3	1	-	-	-	-	-	-	-	-	-	
BOTWYNOG ...	9-9	34	12.3	7.4	9.9	-	16.6	3	-2.3	28	10.7	12.4	80	63	17	23	21	14	0	0	0	0	0	2	3	-	3	1.34	-	-	-	-	-	-	-	
CWMYSTYLLYN ...	9-9	204	10.6	5.7	8.1	-	14.5	7	-2.0	29.30	-	-	193	-	38	18	21	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LLYN ALAW ...	9-9	44	11.5	6.7	9.1	-	17.0	7	-2.0	30	-	-	105	-	27	18	20	13	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	
PEN-Y-FFRIDD ...	9-9	84	11.5	6.5	9.0	-	16.1	7	-1.7	28	-	-	140	116	29	18	24	18	2	0	0	2	0	0	3	6	-	1.79	-	-	-	-	-	-	-	
TRAFSFYDD ...	9-9	193	10.8	5.8	8.3	-	15.0	1	-4.0	27	-	-	197	118	47	18	25	21	-	1	-	-	-	1	4	10	6	-	-	-	-	-	-	-	-	
VALLEY ...	21-9	10	11.7	8.4	10.1	+1.8	17.0	7	-1.9	28	-	-	72	74	16	23	17	10	2	0	0	2	0	0	2	4	3	10	1.80	87	-	-	-	-	-	
CLWYD																																				
ALWEN ...	9-9	335	9.5	3.2	6.3	-	13.2	4	-9.0	29	-	-	185	137	32	23	20	17	4	6	1	4	0	1	7	14	-	-	-	-	-	-	-	-	-	
BWLCHGWYN ...	9-9	386	9.0	4.1	6.5	-	14.0	4	-5.3	29	8.1	-	97	79	29	23	18	15	6	5	0	0	0	1	5	10	-	-	-	-	-	-	-	-	-	
COLWYN BAY ...	9-9	18	12.1	6.9	9.5	-	15.8	4	-1.8	29	10.3	-	72	88	21	23	17	11	0	0	1	0	0	0	2	-	-	2.24	129	-	-	-	-	-	-	
CORMEN ...	9-9	144	11.1	3.7	7.4	-	15.7	4	-8.5	29	-	-	145	127	26	23	19	16	3	3	0	1	0	0	8	15	-	-	-	-	-	-	-	-	-	
HAWARDEN BRIDGE ...	9-9	5	12.1	5.6	8.9	+1.8	17.2	4	-5.2	29	-	-	56	73	15	23	12	8	3	0	1	1	1	0	4	-	-	-	-	-	-	-	-	-	-	
LOGGERHEADS ...	9-9	210	10.5	4.2</																																



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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NOVEMBER 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT 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 AMOUNT (MM)	DATE	PRECIP- ITATION 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			
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																							
8A WALES S CONTINUED																																	
WEST GLAMORGAN																																	
MUMBLES HEAD ...	21-9	36	12.1	8.8	10.5	-	15.7	2	-0.5	28	-	-	111	80	35	18	19	15	3	0	0	0	0	0	1	4	7	3	-	0	-	-	
NEATH ...	9 9	62	12.1	6.7	9.4	-	16.7	5	-3.2	29	-	-	82	61	22	18	18	12	0	0	0	0	0	0	3	6	4	-	0	1.76	-	-	
PENMAEN ...	9 9	87	11.9	7.5	9.7	-	15.3	3	-2.9	28	11.0	12.2	82	61	22	18	20	14	0	0	0	0	0	0	3	6	4	-	0	2.04	-	-	
PORT TALBOT ...	9 9	5	12.8	7.5	10.1	-	17.5	5	-4.5	29	-	-	95	80	36	18	20	14	2	0	0	0	0	0	3	6	-	-	-	-	-	-	
SWANSEA ...	9 9	10	12.5	7.5	10.0	+1.6	16.0	4.5	-1.8	28	10.8	12.7	95	74	26	18	20	16	0	0	0	0	0	0	3	6	-	-	-	-	-	-	
WHITEFORD BURROWS ...	9 9	5	12.5	7.5	10.0	-	16.4	5	-4.3	28-29	-	-	73	-	18	18	19	13	1	0	0	0	0	1	4	9	-	0	-	-	-	-	
MID GLAMORGAN																																	
ABERDARE FILTER STATION	9 9	174	11.0	5.0	8.0	-	14.9	1	-5.6	29	-	-	203	-	53	18	22	17	1	1	0	0	0	5	10	-	0	1.18	-	-	-	-	
CILFYNYDD ...	21-9	194	10.4	-	-	-	15.0	2	-	-	-	-	171	-	39	18	22	16	2	1	0	0	0	2	7	-	0	-	-	-	-	-	
LLWYNON ...	9 9	241	10.3	4.3	7.3	-	14.2	1	-5.4	29	-	-	177	98	44	18	19	19	1	0	0	0	0	4	7	-	0	1.68	-	-	-	-	
PORTHCRAWL ...	9 9	6	12.5	7.7	10.1	-	16.5	5	-2.0	29	-	-	79	74	21	18	16	13	-	-	-	-	-	1	3	-	-	0	2.20	-	-	-	-
SOUTH GLAMORGAN																																	
BRIDGEND ...	9 9	40	12.1	5.9	9.0	-	17.3	1	-5.0	29	11.1	12.7	84	-	21	18	18	12	1	0	0	0	0	2	4	10	-	0	-	-	-	-	-
CARDIFF (BUTE PARK)	9 9	9	12.5	5.7	9.1	-	17.4	1	-5.4	29	10.6	11.9	83	-	19	18	19	12	1	0	0	0	0	1	4	11	-	0	1.65	-	-	-	-
RHOOSE AIRPORT ...	21-9	67	11.7	7.0	9.3	-	16.8	1	-5.2	29	-	-	56	-	11	12	16	10	2	1	0	0	0	1	4	9	7	0	2.03	-	-	-	-
GWENT																																	
CRUMLAND ...	9 9	245	10.6	5.0	7.8	-	15.9	1	-6.4	29	9.3	10.5	-	-	-	-	-	-	1	1	0	0	0	9	5	11	-	0	2.23	-	-	-	-
USK ...	9 9	21	12.4	3.9	8.1	+1.4	17.3	1	-7.3	29	10.6	-	72	64	21	18	15	11	0	0	0	0	0	-	9	11	-	0	-	-	-	-	-
8B ENGLAND SW																																	
AVON																																	
BATH ...	9 9	118	12.4	5.4	8.9	-	16.0	1.5	-6.0	29	10.6	-	70	81	39	12	13	9	-	0	-	-	-	2	5	-	-	-	-	-	-	-	-
FILTON ...	21-9	59	12.0	6.4	9.2	+2.1	17.3	1	-6.0	27	-	-	36	43	8	18	11	9	1	0	0	0	0	1	5	10	7	0	2.33	127	-	-	-
LONG ASHTON ...	9 9	51	12.4	5.5	8.9	+1.8	17.5	1	-5.6	29	10.0	-	51	55	10	15	14	11	2	1	0	0	0	2	5	8	-	1	2.54	133	-	-	-
SOMERSET																																	
CANNINGTON ...	9 9	28	-	-	-	-	16.7	5	-4.5	28	9.9	-	39	-	16	18	11	6	1	1	0	0	0	-	4	-	-	1	-	-	-	-	-
CREWKERNE ...	9 9	101	11.9	6.3	9.1	-	15.9	5	-5.2	29	-	-	77	65	24	18	14	10	1	-	0	0	0	1	5	11	9	0	-	-	-	-	-
DOWNSIDE ABBEY ...	9 9	183	11.2	5.5	8.3	-	15.2	10	-4.0	28	-	-	92	-	23	18	20	14	4	1	3	0	0	5	5	11	9	0	-	-	-	-	-
EXTON ...	21-9	329	10.3	5.4	7.9	-	15.2	10	-4.0	28	-	-	116	68	24	18	18	15	4	1	2	0	0	5	4	9	1	1.84	-	-	-	-	-
HAWKRIDGE ...	9 9	314	-	5.0	-	-	-	-	-4.9	29	-	-	51	-	15	18	15	7	1	0	1	0	0	0	4	8	-	0	-	-	-	-	-
NETTLECOMBE ...	9 9	96	12.5	5.3	8.9	-	16.7	2	-5.7	28	10.9	-	61	-	21	18	15	8	2	0	0	0	0	0	7	-	0	-	-	-	-	-	-
NETTLECOMBE (BIRDS HILL)	9 9	280	10.7	-	-	-	15.1	2	-5.7	28	-	-	61	-	21	18	15	8	2	0	0	0	0	2	5	10	-	0	-	-	-	-	-
RODNEY STAKE ...	9 9	40	12.2	5.7	8.9	-	16.8	1	-5.2	27	11.0	12.1	43	43	11	18	14	9	1	0	0	0	0	6	5	7	-	0	2.19	-	-	-	-
WINCANTON ...	9 9	113	11.9	4.9	8.4	-	16.4	5	-6.4	27	-	-	46	44	13	18	14	10	1	0	0	0	0	6	5	7	-	0	-	-	-	-	-
YEOVILTON ...	21-9	18	12.6	5.6	9.1	-	17.2	2	-8.0	29	-	-	33	37	12	18	12	6	1	0	0	0	0	5	6	9	7	2	-	-	-	-	-
DORSET																																	
BOURNEMOUTH																																	
HURN AIRPORT ...	21-9	10	12.4	5.8	9.1	-	17.3	8	-7.9	27	-	-	19	20	5	18	13	7	1	0	0	1	0	3	6	9	7	0	2.38	-	-	-	-
MEYRICK PARK ...	9 9	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHRISTCHURCH ...	9 9	3	12.5	6.5	9.5	-	17.3	8	-5.1	27	-	-	18	20	6	18	9	8	1	0	0	0	0	2	5	8	-	1	-	-	-	-	-
POOLE ...	9 9	5	12.6	6.1	9.3	+1.7	18.4	8	-5.0	27	11.3	12.9	18	20	5	18	11	6	1	0	0	0	0	3	5	13	-	0	2.28	93	-	-	-
PORTLAND BILL (COASTGUARD)	21-9	53	12.5	9.1	10.8	+1.3	16.5	5	-1.5	28	-	-	19	-	5	30	10	6	0	0	0	0	0	1	2	3	3	1	2.64	-	-	-	-
SWANAGE ...	9 9	11	12.7	7.8	10.3	+2.0	17.0	8	-2.3	27	-	13.2	31	33	12	18	12	8	1	0	0	0	0	1	3	5	-	0	2.34	98	-	-	-
WEYMOUTH ...	9 9	23	13.0	7.3	10.1	-	17.5	5	-3.2	29	-	-	19	-	5	12	10	7	0	0	0	0	0	0	3	-	-	0	2.57	102	-	-	-
WIMFRITH ...	9 9	26	12.5	5.8	9.1	-	17.1	8	-6.2	27	-	-	23	22	5	18	12	10	0	0	0	0	0	2	6	12	-	2	-	-	-	-	-
DEVON																																	
CHAMLEIGH ...	9 9	168	11.8	5.5	8.7	-	16.4	5	-5.2	29	10.5	-	58	-	13	19	17	11	2	0	0	2	0	-	3	10	-	0	2.23	-	-	-	-
EXETER AIRPORT ...	21-9	32	12.7	6.4	9.5	+1.7	16.8	2	-5.3	29	-	-	36	40	17	18	13	6	1	0	0	1	0	1	4	10	5	0	1.98	91	-	-	-
EXMOUTH ...	9 9	59	-	-	-	-	-	-	-	-																							



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

NOVEMBER 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL HEIGHT 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	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	
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																						
NORTHERN IRELAND																																
LONDONDERRY																																
AGHANLOO ...	99	18	11.4	5.2	8.3	-	16.5	4	-3.5	28	-	-	97	-	26	14	19	18	1	0	1	1	0	0	0	2	8	-	-	-	-	-
BANAGHER (CAUGH HILL) ...	99	216	9.8	4.1	6.9	-	14.2	4	-4.5	28	-	-	157	-	32	14	24	22	3	1	1	0	0	0	0	5	9	-	9	1.82	-	-
CARMONEY ...	99	73	10.6	5.4	8.0	-	15.0	4	-3.0	28.29	-	-	114	-	37	14	22	21	-	0	0	0	0	0	0	2	5	-	-	1.48	-	-
COLERAINE UNIVERSITY ...	99	23	11.1	5.1	8.1	-	16.2	4	-4.5	28	9.5	11.0	92	-	21	14	23	19	5	0	2	0	0	0	0	3	8	-	-	-	-	-
COOLKEERAGH ...	99	3	11.2	5.4	8.3	-	16.1	4	-3.0	28	-	-	116	-	45	14	20	18	-	-	-	-	-	-	3	3	-	-	-	-	-	-
DERRYNOYD FOREST ...	99	88	10.8	4.3	7.5	-	15.4	4	-5.5	28	-	-	144	128	19	14	23	21	1	2	1	0	0	1	5	9	-	-	-	-	-	-
GARYVAH FOREST ...	99	88	10.7	4.2	7.5	-	15.7	4	-4.9	28	-	-	107	97	18	14	24	16	1	1	4	2	0	0	6	9	-	-	-	-	-	-
LOUGHMORE FOREST ...	99	174	10.0	4.2	7.1	-	14.4	5	-6.5	28	-	-	150	136	39	14	23	22	6	5	4	2	0	0	6	9	-	3	-	-	-	-
MONEYTOIG ...	99	34	11.0	4.2	7.6	+1.5	16.2	4	-6.1	28	10.4	-	104	110	19	14	23	19	2	0	3	0	0	2	4	13	6	0	-	-	-	-
TRAD POINT ...	99	16	10.9	5.2	8.1	-	15.8	4	-5.3	28	-	-	77	-	16	14	21	14	1	-	0	0	0	-	3	-	-	-	-	-	-	-
ANTRIM																																
ALDERGROVE AIRPORT ...	21-9	68	10.5	5.7	8.1	+1.7	15.7	4	-5.2	28	9.6	11.4	100	119	11	14	19	17	4	0	2	0	0	1	4	6	4	0	1.58	84	-	-
ALTNAHINCH ...	99	213	9.2	3.7	6.5	-	13.5	4	-5.5	28	-	-	129	86	21	14	23	20	6	5	2	0	1	2	6	8	-	1	1.06	-	-	-
BALLYLUMFORD ...	99	24	11.3	6.3	8.8	-	15.4	5	0.0	29	-	-	89	-	13	12	20	16	-	-	-	-	-	-	0	6	-	-	-	-	-	-
BALLYPATRICK FOREST ...	99	152	10.1	4.2	7.1	-	14.7	4	-6.3	28	-	-	128	99	18	14	23	20	3	-	0	0	0	0	4	7	-	0	1.77	-	-	-
CARNLOUGH ...	99	12	11.1	4.7	7.9	-	16.0	5	-3.1	28	-	-	119	-	17	14	22	18	0	-	0	0	0	0	3	-	-	-	-	-	-	-
DIWIS MOUNTAIN ...	99	363	8.4	2.5	5.5	-	12.3	3.17	-7.0	28	-	-	180	158	20	14	23	20	3	-	2	0	0	-	8	-	-	-	-	-	-	-
GREENMOUNT ...	99	38	11.0	5.5	8.3	-	15.8	4	-5.6	28	10.0	-	102	126	17	14	19	18	1	1	0	0	0	-	4	6	-	-	-	-	-	-
HYDE PARK (MALLUSK) ...	99	140	10.3	4.9	7.6	-	15.0	4	-4.8	28	-	-	147	-	16	14	24	21	2	3	0	1	0	0	3	8	-	-	-	-	-	-
KILROOT POWER STATION ...	99	12	11.2	6.2	8.7	-	15.4	4	-0.1	28	-	-	103	-	14	14	21	17	0	0	0	0	0	-	1	6	-	-	1.25	-	-	-
LISNAFFILLAN ...	99	38	10.9	4.2	7.5	-	15.7	4	-6.5	28	-	-	98	104	15	14	18	15	1	0	0	0	0	0	7	10	-	-	1.51	-	-	-
LOWTOWN ...	99	271	9.0	3.8	6.4	-	13.4	4	-8.0	28	8.5	-	139	104	20	14	24	20	3	5	0	0	0	7	5	11	-	-	1.17	-	-	-
PARKMORE FOREST ...	99	235	9.0	3.3	6.1	-	13.5	4	-6.0	28	8.9	-	166	100	23	14	24	22	3	6	0	0	1	0	5	11	-	3	-	-	-	-
WOODBURN NORTH ...	99	217	9.4	4.5	6.9	-	14.0	4	-3.5	27.28	-	-	151	134	21	14	23	21	2	4	0	0	0	1	5	8	-	-	-	-	-	-
BELFAST																																
ANDERSONSTOWN ...	99	64	11.1	5.3	8.2	-	16.1	3	-2.5	28	-	-	122	-	15	23	21	17	1	-	0	0	0	0	2	7	-	-	-	-	-	-
MALONE ...	99	35	11.2	5.3	8.3	-	16.1	4	-3.5	28	10.4	-	108	-	14	14	21	18	-	-	-	-	-	-	4	9	-	-	-	-	-	-
MILLTOWN ...	99	37	11.4	5.4	8.4	-	15.8	4	-2.7	28	-	-	98	-	14	14	20	18	2	2	1	3	0	1	4	7	-	-	-	-	-	-
NEWTOWNABBEY ...	99	32	11.3	6.4	8.9	-	15.8	4	-0.6	28	10.0	-	128	132	15	14	21	19	1	0	1	0	0	1	2	3	4	0	1.38	-	5	-
ROSEBANK ...	99	47	11.3	5.2	8.3	-	16.0	4	-2.0	29	-	-	102	-	14	14.29	20	17	2	0	0	0	0	-	4	-	-	-	-	-	-	-
ROSETTA ...	99	24	11.2	5.3	8.3	-	16.6	3	-3.0	28	-	-	98	112	13	14	21	18	-	2	-	-	-	0	3	-	-	-	-	-	-	-
STORMONT CASTLE ...	99	56	11.0	5.4	8.2	-	16.2	4	-1.9	28	9.7	11.3	100	114	15	29	21	16	1	2	0	0	0	1	4	10	-	-	1.68	-	-	-
DOWN																																
BANGOR SEACOURT ...	99	15	11.4	6.6	9.0	-	16.2	4	0.8	29	10.2	12.0	101	-	15	29	22	17	2	0	0	0	1	1	0	2	1	0	1.74	-	-	-
BALLYWALTER PARK ...	-	11	-	-	-	-	-	-	-	-	-	-	88	110	14	14	-	-	-	-	-	-	-	-	-	-	-	-	1.96	-	-	-
BALLYWATTICOCK ...	99	6	11.1	6.1	8.6	-	15.3	4	-1.7	29	9.2	10.5	82	110	11	14	20	16	3	0	0	1	0	1	2	5	7	0	2.12	-	-	-
DOWNPATRICK ...	99	26	11.8	6.3	9.1	-	16.7	4.5	-2.8	29	-	-	76	-	18	28	14	12	-	-	-	-	-	1	3	6	-	-	-	-	-	-
HELENS BAY ...	99	43	11.0	6.2	8.6	-	15.6	4	-1.5	29	-	-	101	124	16	29	22	16	1	0	0	2	0	1	1	6	-	3	1.93	-	-	-
HILLSBOROUGH ...	99	116	10.8	5.2	8.0	+1.7	15.1	5	-4.1	28	9.9	-	96	114	15	14	21	13	1	-	0	0	0	0	4	10	-	4	2.05	106	-	-
MAGHERALLY ...	99	97	10.6	3.9	7.3	-	15.4	4	-7.1	28	-	-	77	-	14	14	21	14	3	1	0	1	-	-	5	11	-	-	-	-	-	-
MURLOUGH ...	99	9	11.8	5.3	8.5	-	17.3	4	-9.0	28	9.6	10.5	89	-	19	14	19	12	2	0	0	0	0	1	5	5	-	5	2.04	-	-	-
NEWRY ...	99	1	11.9	5.2	8.5	-	17.0	4	-5.8	28	-	-	80	-	13	14	18	15	-	0	-	-	-	0	4	6	-	-	-	-	-	-
SILENT VALLEY ...	99	129	11.0	5.4	8.2	-	17.0	4	-4.5	28	-	-	117	-	21	30	21	16	0	0	0	0	-	4	7	-	-	-	1.82	-	-	-
ARMAGH																																
ARMAGH ...	99	62	10.8	5.3	8.1	+1.6	15.4	4	-5.1	28	9.9	11.6	77	100	15	14	21	16	2	1	0	0	0	1	4	8	-	4	1.81	93	-	-
LOUGHGALL ...	99	25	11.3	5.1	8.2	-	16.0	4	-5.6	28	-	-	95	132	18	3	22	17	2	-	0	0	0	2	5	11	-	3	1.85	-	-	-
LURGAN ...	99	55	11.2	5.1	8.1	-	16.0	4	-5.9	28	9.9	11.6	105	138	26	3	20	17	1	-	0	0	0	-	4	8	-	-	1.72	-	-	-
TANDRAGEE ...	99	43	11.7	5.0	8.3	-	16.8	4	-6.9	28	-	-	67	-	15	14	17	14	1	-	0	0	0	-	4	-	-	-	-	-	-	-
TYRONE																																
ALTAVEEDAN ...	99	175	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CARRIGANS ...	21-9	113	10.4	5.4	7.9	-	14.6	4	-4.8	28	-	-	162	157	32	14	21	21	2	1	3	0	0	1	4	9	6	0	1.33	-	-	-
COOKSTOWN ...	99	77	10.6	4.8	7.7	-	15.3	4	-5.0	28	9.2	-	101	-	17	14	21	18	2	0	0	0	0	0	5	7	-	-	1.53	-	-	-
LOUGH BRADAN ...	99	169	9.7	1.5	5.6	-	14.5	5	-8.7	28	-	-	190	148	39	14	24	21	-	0	-	-	-	1	9	10	-	-	1.56	-	-	-
POMEROY FOREST ...	99	174	9.8	4.2	7.0	-	14.4	5	-6.8	28	9.3	-	131	125	19	14	21	19	1	4	0	0	0	3	5	7	-	-	-	-	-	-
STRABANE CONVENT ...	99	44	10.8	5.1	7.9	-	15.4	13	-5.5	29	-	-	13																			



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

NOVEMBER 1978

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 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE					N	NE	E	SE	S	SW	W	NW			
									0	1 - 2	3 - 5	6 - 7	8	SKY OBSERVED											34 OR MORE	SPEED (KT)														
																										22-33	11-21	1-10	0											
NUMBER OF OBSERVATIONS																																								
0 SCOTLAND N SHETLAND																																								
FAIR ISLE	61	9	1010.0	-	6.8	0.9	8.7	86	6.1	0	2	6	14	8	0	0	0	0	0	0	0	0	0	7	8	8	10	4	0	3	1	1	1	0	9	6	10	0		
		15	1008.5	-	7.2	1.1	8.7	84	6.6	0	1	3	17	9	0	0	0	0	0	0	0	0	1	13	8	12	9	0	0	1	1	1	0	7	7	9	3			
		21	1009.1	-	7.1	0.9	9.0	87	5.6	1	5	7	6	11	0	0	0	0	0	0	0	0	3	7	16	4	4	13	12	1	0	1	0	1	7	7	6			
LERNICK	83	3	1009.2	-	5.8	-	8.1	-	5.6	0	5	6	8	11	0	0	0	0	0	0	0	4	5	3	15	3	0	15	11	4	0	0	0	1	5	9	11	2		
		9	1009.1	+ 1.3	5.7	-	7.8	-	5.9	0	2	8	12	8	0	0	0	0	0	0	0	2	6	9	9	4	1	8	13	8	0	2	0	0	1	9	8	4		
		15	1007.6	-	6.0	-	7.9	-	6.4	0	2	5	14	9	0	0	0	0	0	0	0	1	11	8	7	3	2	10	14	2	2	1	0	0	0	9	10	7		
ORKNEY	21	21	1008.0	-	6.1	-	8.2	-	5.9	1	1	11	5	12	0	0	0	0	0	0	1	3	4	7	13	2	2	11	12	5	0	0	0	2	6	9	10	3		
		KIRKWALL	26	3	1011.3	-	6.2	0.9	8.4	87	5.5	1	4	7	11	7	0	0	0	0	0	0	0	3	5	19	3	1	6	14	9	0	3	0	0	12	6	9	0	
	9	9	1010.9	+ 2.7	6.5	0.9	8.5	86	6.2	2	0	5	17	6	0	0	0	0	0	0	0	2	7	15	6	3	4	20	6	0	3	0	0	1	10	8	5	0		
		15	1009.5	-	7.0	1.3	8.3	81	6.2	0	2	6	14	8	0	0	0	0	0	0	0	4	3	17	6	3	6	14	7	0	2	0	1	0	8	7	12	0		
		21	1010.4	-	6.5	1.0	8.4	85	5.9	0	4	7	11	8	0	0	0	0	0	0	0	2	10	16	2	0	6	20	4	0	2	0	0	1	8	6	11	0		
WESTERN ISLES																																								
BENBECULA	7	3	1011.7	-	7.6	1.0	9.2	86	6.2	1	2	6	12	9	0	0	0	0	0	0	1	3	6	15	5	1	12	10	6	1	3	1	0	1	7	5	10	2		
		9	1011.0	+ 2.5	7.7	0.9	9.3	86	6.6	0	0	8	13	9	0	0	0	0	0	0	1	0	3	8	15	3	1	12	11	6	0	1	2	1	9	9	6	1		
		15	1010.6	-	8.5	1.3	9.4	82	6.5	0	1	4	16	9	0	0	0	0	0	0	1	0	5	11	8	0	16	11	3	0	0	1	0	2	7	8	4			
	21	21	1011.7	-	8.1	1.2	9.3	83	5.9	0	5	4	11	10	0	0	0	0	0	0	0	4	6	15	5	0	11	17	1	1	2	0	0	0	8	6	11	2		
		STORNOWAY	5	3	1011.0	-	6.6	0.8	8.8	88	6.0	0	4	7	5	14	0	0	0	0	0	0	1	7	18	4	0	2	16	10	2	3	0	0	0	7	9	8	1	
	9	9	1010.2	+ 1.8	7.0	1.0	8.8	86	6.2	0	2	6	15	7	0	0	0	0	0	0	1	2	9	13	5	3	6	13	8	0	1	1	0	0	6	14	4	3		
		15	1009.3	-	7.7	1.2	9.0	83	6.3	0	2	5	14	9	0	0	0	0	0	0	1	4	9	13	3	2	7	13	8	0	1	0	0	9	8	12	0			
		21	1010.6	-	6.9	0.9	9.0	87	5.8	0	5	6	9	10	0	0	0	0	0	0	0	2	10	16	2	0	7	13	10	0	1	0	0	0	6	11	9	3		
HIGHLAND																																								
CAPE WRATH	113	3	1010.2	-	6.9	0.7	9.1	90	6.2	0	4	6	4	16	0	0	0	0	0	0	0	0	9	13	8	1	7	14	8	0	3	0	0	4	9	12	2			
		9	1009.6	-	6.9	0.7	9.1	90	6.7	0	1	4	13	12	0	0	0	0	0	0	1	0	3	13	9	4	2	13	11	0	2	0	3	2	3	11	6	3		
		15	-	-	-	-	-	-	7.0	0	1	1	16	11	1	0	0	0	0	0	1	0	5	18	4	7	4	11	8	0	1	0	0	1	4	12	7	5		
	21	21	1009.3	-	7.2	0.7	9.4	91	6.4	1	0	9	8	11	1	0	0	0	0	0	1	0	0	7	16	6	3	13	5	9	0	3	0	0	4	12	6	5		
		DALCROSS	12	9	1012.7	-	6.5	0.8	8.8	88	6.0	0	4	4	17	5	0	0	0	0	0	1	3	6	15	5	0	4	14	11	1	1	1	0	0	3	20	4	0	
	15	15	1011.8	-	8.0	1.5	8.7	80	6.2	1	1	6	17	5	0	0	0	0	0	0	0	9	15	6	0	5	18	6	1	1	0	0	0	5	13	10	0			
		WICK	37	3	1011.9	-	5.9	1.0	8.1	84	5.1	1	6	7	12	4	0	0	0	0	0	0	1	3	15	11	0	3	13	14	0	2	0	0	12	8	6	2		
	9	9	1011.3	+ 2.7	6.3	1.1	8.2	84	6.0	1	3	4	18	4	0	0	0	0	0	0	0	4	5	10	11	0	3	19	8	0	2	0	1	0	11	10	3	3		
		15	1010.1	-	6.9	1.4	8.1	79	6.2	0	3	5	16	6	0	0	0	0	0	0	2	2	5	11	10	1	3	18	8	0	1	0	0	1	11	8	1			
		21	1011.0	-	6.1	1.0	8.2	84	5.5	1	7	2	15	5	0	0	0	0	0	0	1	2	2	18	7	0	2	22	6	0	2	0	0	0	11	7	8			
1 SCOTLAND E GRAMPIAN																																								
DYCE	59	3	1014.2	-	6.2	1.0	8.3	85	5.6	1	5	4	13	7	0	0	0	0	0	0	5	2	4	11	8	0	1	11	14	4	0	0	0	2	12	3	8	1		
		9	1013.7	+ 4.0	6.7	1.0	8.7	85	5.4	0	6	4	19	1	0	0	0	0	0	0	3	3	1	6	17	0	1	12	14	3	0	0	0	2	11	8	4	2		
		15	1012.7	-	8.1	1.6	8.6	78	5.5	0	5	5	16	4	0	0	0	0	0	0	2	3	4	7	14	0	2	15	13	0	0	0	0	2	12	7	5	4		
	21	21	1013.6	-	6.3	0.9	8.5	86	5.5	2	4	5	9	10	0	0	0	0	0	0	3	2	6	10	9	0	1	11	17	1	1	0	0	0	13	6	8	1		
		FRASERBURGH	22	3	1013.4	-	6.8	1.2	8.4	82	4.6	0	11	8	2	9	0	0	0	0	0	1	2	1	6	23	0	1	12	16	0	1	0	0	1	16	8	3	1	
	9	9	1012.9	+ 3.7	7.3	1.5	8.4	80	6.1	1	2	4	15	8	0	0	0	0	0	0	2	7	21	0	1	3	10	16	0	3	0	1	3	14	7	1	2			
		15	1012.0	-	8.7	1.8	8.6	75	5.9	1	1	5	18	5	0	0	0	0	0	0	1	6	23	0	2	4	10	14	0	2	0	0	0	2	13	6	5	2		
		21	1012.7	-	7.5	1.3	8.6	81	5.5	0	5	7	10	8	0	0	0	0	0	0	2	5	23	0	1	6	9	14	0	0	0	0	2	14	5	6	3			
	6	3	1013.2	-	6.9	1.4	8.1	80	5.1	1	6	6	11	6	0	0	0	0	0	0	1	0	4	21	4	0	0	16	13	1	0	0	1	0	8	14	3	3		
		9	1012.7	+ 3.4	6.8	1.3	8.2	81	5.9	1	3	3	19	4	0	0	0	0	0	0	2	6	13	9	0	3	9	17	1	1	0	2	0	6	17	2	1			
		15	1011.8	-	8.2	1.9	8.2	75	6.0	1	3	2	18	6	0	0	0	0	0	0	1	9	9	11	1	2	17	8	2	1	0	0	0	4	14	9	0			
	21	21	1012.7	-	7.2	1.5	8.3	80	5.7	1	4	5	13	7	0	0	0	0	0	0	1	6	19	4	0	0	14	16	0	1	0	1	1	8	15	4	0			
		LOSSIEMOUTH	6	3	1012.8	-	6.4	1.3	8.0	81	5.4	1	5	5	12	7	0	0	0	0	0	0	1	1	16	12	0	1	15	12	2	0	0	0	3	5	16	0	3	
	9	9	1012.3	-	6.8	1.3	8.3	82	6.1	1	2	4	18	5	0	0	0	0	0	0	1	3	13	13	0	1	16	13	0	2	0	1	3	7	15	1	1			
		15	1011.4	-	8.1	1.8	8.3	76	6.2	1	2	2	21	4	0	0	0	0	0	0	4	4	6	16	1	5	14	9	1	1	0	2	1	4	13	7	1			
		21	1012.2	-	6.5	1.3	8.1	81	5.7	1	4	4	17	4	0	0	0	0	0	0	0	1	4	16	9	0	5	14	10	1	1	0	4	4	14	5	1			
TAYSIDE																																								
USAN	35	9	1015.4	-	7.5	0.9	9.3	86	4.8	0	6	10	11	2	1	1	0	0	0	0	0	1	3	9	16	2	3	14	11	0	0	0	0	5	13	9	3			
		15	-	-	-	-	-	-	-	-	-</																													



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

NOVEMBER 1978

DISTRICT. REGION/COUNTY AND PLACE	HEIGHT OF BARMETER 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 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE										N	NE	E	SE	S	SW	W	NW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
									MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSERVED											SPEED (KT)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
																										34 OR MORE	22-33	11-21	1-10	0	1	2	3	4	5									6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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6 SCOTLAND W -CONTO. STRATHCLYDE -CONTO.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
SLOY	-	9	-	-	7.6	1.1	9.1	85	6.7	0	2	4	9	15	0	0	0	0	0	0	0	0	8	22	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0







TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

NOVEMBER 1978

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)	WET BULB (DEGREES C)	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS						0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE																							
										MEAN	0	1 - 2	3 - 5	6 - 7	8											SKY OBSERVED	8 OR MORE	6-7	4-5	1-3	CALM	N	NE	E	SE	S	SW	W	NW										
																																								SPEED (KT)									
																																								22-33	11-21	1-10	0						
NUMBER OF OBSERVATIONS																																																	
5 ENGLAND SE & CENT. S.			-CONTD.																																														
KENT	DUNGENESS	7	3	1024.8	-	-	-	-	4.7	6	5	4	3	12	0	0	0	0	0	1	1	4	9	15	0	0	3	12	13	2	4	0	0	2	5	4	10	3											
		9	1025.5	-	9.4	0.9	10.8	88	5.8	1	4	5	11	9	0	0	0	0	0	0	1	10	6	13	0	0	4	13	12	1	1	0	1	1	8	5	10	3											
		15	1024.2	-	-	-	-	-	5.2	2	6	4	8	10	0	0	0	0	0	0	0	8	11	10	0	0	6	14	10	0	2	0	1	1	6	7	10	2											
		21	1024.6	-	-	-	-	-	5.1	6	2	4	6	12	0	0	0	0	0	0	0	0	8	7	15	0	0	4	14	11	1	3	0	3	4	6	11	2											
HANTS	HANTS	45	3	1024.9	-	8.2	0.7	10.1	90	5.1	2	6	5	7	10	0	0	0	1	0	2	4	5	14	0	0	0	12	17	0	0	1	0	2	4	12	5	6											
		9	1025.5	-	8.9	0.7	10.5	89	5.3	3	4	4	13	6	0	0	0	0	0	1	4	5	9	8	3	0	2	9	19	0	1	0	1	2	7	12	4	3											
		15	1024.1	-	10.6	1.6	10.6	79	5.1	0	9	2	16	3	0	0	0	0	0	0	2	9	6	9	4	0	2	15	13	0	1	1	0	3	8	11	2	4											
		21	1024.6	-	8.5	0.7	10.3	90	5.5	3	3	5	8	10	1	0	0	0	0	1	2	6	6	10	1	0	1	14	14	1	2	0	0	5	6	11	3	2											
HAMPSHIRE	SOUTHAMPTON	9	3	1025.0	-	8.9	0.8	10.6	88	5.0	6	3	2	11	7	1	0	1	0	1	0	8	9	11	0	0	0	1	27	2	0	3	2	1	3	6	11	2											
		9	1025.5	-	9.2	1.0	10.5	86	5.2	1	8	2	15	3	1	0	1	0	1	1	1	9	8	6	3	0	0	3	26	1	0	5	2	1	5	7	5	4											
		15	1024.1	-	12.1	2.0	11.0	75	5.8	1	5	3	12	9	0	0	0	0	1	1	4	10	12	2	0	0	4	26	0	0	1	3	2	5	12	4	4												
		21	1024.9	-	9.5	1.2	10.4	84	5.4	3	4	4	10	8	1	0	1	0	1	0	2	4	7	15	0	0	0	3	27	0	3	3	3	0	3	4	10	4											
WEST SUSSEX	GATWICK	60	3	1025.3	-	7.2	0.4	10.0	94	5.1	5	4	2	11	5	3	1	2	1	0	0	4	10	1	9	2	0	7	20	3	1	0	2	2	3	11	4	4											
		9	1025.8	+11.9	7.5	0.6	10.0	92	5.7	0	6	4	14	4	2	0	2	1	1	0	6	7	6	4	3	0	1	6	18	5	0	2	1	1	4	10	2	5											
		15	1024.2	-	10.8	1.7	10.6	77	5.4	0	6	4	17	2	1	0	1	0	0	0	2	6	8	9	4	0	1	15	14	0	0	0	2	5	11	3	4												
		21	1025.0	-	8.1	0.8	10.1	89	5.1	5	4	3	9	8	1	0	2	0	0	0	6	5	6	9	2	0	0	11	17	2	1	1	3	1	3	12	4	3											
EAST SUSSEX	HERSTMONCEUX	28	3	1025.1	-	7.7	0.5	10.2	92	4.8	5	4	3	10	7	1	0	1	0	0	1	2	8	7	10	1	0	5	23	2	6	1	0	3	4	7	6	1											
		9	1025.9	-	8.1	0.5	10.5	93	5.0	1	9	1	14	5	0	0	0	0	2	0	5	6	10	6	1	0	0	6	23	1	3	1	1	1	4	10	7	2											
		15	1024.4	-	11.1	1.7	10.8	78	5.2	0	5	8	11	6	0	0	0	0	0	0	6	9	8	7	0	0	10	20	0	2	3	1	2	4	13	3	2												
		21	1024.9	-	8.5	0.8	10.4	89	5.0	6	2	4	10	8	0	0	0	0	2	0	5	4	7	12	0	0	0	7	21	2	5	2	1	1	4	5	7	3											
7A ENGLAND NW & I.O.M.			CUMBRIA																																														
LANCASHIRE	CARLISLE	28	3	1018.5	-	8.2	0.9	10.0	87	5.2	4	5	3	7	10	1	0	0	0	1	0	2	6	11	8	2	0	14	14	1	0	0	0	2	4	15	7	1											
		9	1018.6	+7.2	8.1	0.8	10.0	89	5.8	1	4	4	16	5	0	0	0	0	0	0	2	8	8	10	2	0	2	11	16	1	0	0	1	5	2	16	4	1											
		15	1017.4	-	9.7	1.3	10.3	83	6.3	1	1	6	12	10	0	0	0	0	0	0	1	6	9	11	3	0	0	14	16	0	1	0	0	1	4	11	13	0											
		21	1018.2	-	8.1	1.0	9.8	86	5.9	1	4	5	6	14	0	0	0	0	0	0	0	8	8	12	2	0	1	10	19	0	1	0	1	4	2	11	10	1											
LANCASHIRE	SQUIRES GATE	11	3	1020.9	-	8.3	0.9	10.1	88	4.5	5	3	10	7	5	0	0	0	0	0	5	4	7	12	2	0	3	16	11	0	1	2	1	6	6	6	5	3											
		9	1020.9	+9.1	8.8	0.9	10.2	87	6.5	0	1	5	18	6	0	0	0	0	0	1	4	6	8	9	2	0	3	19	8	0	2	1	1	9	5	6	3												
		15	1019.7	-	10.0	1.2	10.7	84	6.3	1	3	2	16	8	0	0	0	0	0	0	2	9	13	14	2	0	4	15	11	0	3	0	0	5	11	5	1												
		21	1020.5	-	8.7	1.0	10.1	85	5.6	3	2	5	10	10	0	0	0	0	0	1	2	7	11	8	1	0	6	15	9	0	1	2	0	8	1	12	3	3											
GREATER MANCHESTER	MANCHESTER	42	3	1021.5	-	8.6	1.0	9.9	86	5.5	4	4	2	8	12	0	0	0	1	0	3	4	11	6	5	0	0	6	24	0	2	1	3	2	7	12	3	0											
		9	1021.7	-	8.6	1.2	9.7	83	5.2	1	6	5	10	8	0	0	0	0	0	0	7	7	12	3	1	0	0	6	20	4	2	0	0	3	5	14	1	1											
		15	1020.2	-	10.6	1.9	10.0	75	5.9	0	5	4	12	9	0	0	0	0	0	0	5	10	10	4	1	0	0	10	20	0	3	0	0	2	3	14	7	1											
		21	1021.2	-	8.9	1.4	9.7	81	5.3	3	5	3	11	8	0	0	0	0	0	2	3	10	10	5	0	0	0	9	21	0	3	0	0	3	7	12	3	2											
GREATER MANCHESTER	RINGWAY	84	3	1021.9	-	7.9	0.8	9.9	89	5.1	3	7	2	7	10	1	0	1	0	0	2	5	6	3	13	0	0	12	18	0	0	0	1	4	11	11	2	1											
		9	1022.0	+9.7	7.8	0.8	9.8	88	5.1	0	7	5	13	5	0	0	0	0	0	2	5	4	8	9	2	0	1	8	21	0	1	0	0	3	15	9	1	1											
		15	1020.6	-	10.1	1.5	10.3	80	5.7	0	5	3	18	4	0	0	0	0	0	1	3	11	3	11	1	0	1	13	16	0	1	0	0	2	9	12	4	2											
		21	1021.6	-	8.1	1.0	9.8	86	5.0	5	4	6	3	12	0	0	0	0	0	0	5	8	6	11	0	0	1	11	17	1	2	0	0	2	14	8	2	1											
ISLE OF MAN	POINT OF AYRE	9	3	1019.1	-	9.5	1.1	10.4	85	5.3	1	5	7	7	10	0	0	0	0	0	0	2	4	7	17	0	11	14	5	0	1	1	1	3	6	9	6	3											
		9	1018.8	+8.0	9.6	1.1	10.5	85	6.3	0	1	6	15	8	0	0	0	0	0	0	1	0	9	11	9	2	3	23	1	1	0	1	0	4	5	11	5	3											
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
		21	1018.9	-	9.4	1.2	10.2	83	5.5	1	3	10	5	11	0	0	0	0	0	0	0	1	8	6	15	1	8	14	7	0	1	1	1	2	6	10	6	3											
LANCASHIRE	RONALDSWAY	21	3	1019.4	-	9.1	1.1	10.3	85	5.8	1	5	3	10	11	0	0	0	0	0	1	5	10	4	10	0	4	18	8	0	3	0	0	2	5	11	9	0											
		9	1019.2	+7.9	9.6	1.2	10.5	84	6.4	0	2	4	20	3	1	0	0	1	0	0	2	6	8	3	10	1	4	19	6	0	3	0	0	4	3	12	7	1											
		15	1018.3	-	10.1	1.4	10.5	82	6.6	0	2	3	15	10	0	0	0	0	0	0	2	3	10	6	9	0	4	21	5	0	2	0	0	3	4	14	5	2											
		21	1019.3	-	9.2	1.2	10.3	84	6.2	0	4	4	7	15	0	0	0	0	0	0	1	2	5	10	4	8	0	7	16	7	0	3	1	0	2	6	8	9	1										
7B WALES N			GWYNEDD																																														
NORTH WALES	BARDESEY ISLAND	19	3	1021.3	-	10.7	0.9	11.6	87	5.5	4	0	9	4	13	0	0	0	0	0	0	1	8	20	1	0	1	10	13	4	2	3	0	0	3	4	8	9	1										
		9	1021.2	-	10.9	1.0	11.7	86	6.7	0	0	8	10	12	0	0	0	0	0	0	2	5	16	4	3	1	7	15	7	0	4	0	0	5	4	7	8	2											
		15	1020.3	-	11.2	1.3	11.4	83	6.9	0	0	4	1																																				



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

NOVEMBER 1978

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 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE								N	NE	E	SE	S	SW	W	NW																		
									MEAN	0	1 - 2	3 - 5	6 - 7	8	SKY OBSERVED											34 OR MORE	SPEED (KT)																																
																											22-33	11-21	1-10	0	N	NE	E									SE	S	SW	W	NW													
																																															34 OR MORE	22-33	11-21	1-10	0	N	NE	E	SE	S	SW	W	NW
8A WALES S -CONTO. MID GLAMORGAN																																																											
CILFYNYDD	195	3	1024.1	-	7.2	0.5	9.9	93	5.1	7	3	2	2	14	2	0	2	0	0	0	0	15	13	0	0	0	0	0	0	10	10	10	1	0	0	2	3	8	5	1																			
		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																					
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																					
		21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																						
SOUTH GLAMORGAN																																																											
RHOOSE	69	3	1023.9	-	8.1	0.8	10.1	88	4.9	4	6	3	6	10	1	0	0	0	1	0	0	3	5	14	4	0	0	0	0	11	19	0	4	3	4	2	4	7	2	4																			
		9	1024.1	+10.6	8.9	0.9	10.5	88	5.9	0	4	3	17	6	0	0	0	0	1	0	4	7	6	11	1	0	0	15	15	0	2	2	5	3	2	9	5	2	3																				
		15	1022.9	-	10.8	1.5	10.8	80	5.8	0	2	7	17	4	0	0	0	0	0	0	2	4	7	12	3	0	1	14	15	0	0	1	5	1	1	7	12	3	3																				
		21	1023.9	-	8.9	0.9	10.4	88	5.6	1	5	4	11	9	0	0	0	0	1	6	5	12	5	0	0	0	0	11	18	1	1	2	6	1	2	7	7	3																					
8B ENGLAND SW AVON																																																											
FILTON	61	3	1024.4	-	7.8	0.8	9.9	89	4.5	8	3	2	9	7	1	0	0	1	2	2	6	4	12	1	0	0	0	11	13	6	1	1	2	2	11	5	0	1																					
		9	1024.7	+11.2	8.3	0.8	10.2	89	5.7	0	5	4	14	7	0	0	0	1	0	3	4	4	13	1	0	0	9	19	2	0	0	3	4	4	13	3	1	1																					
		15	1023.2	-	11.0	1.6	10.9	80	6.0	1	4	1	19	5	0	0	0	0	0	0	4	4	6	11	5	0	1	15	14	0	0	2	0	3	4	6	11	3																					
		21	1024.3	-	8.4	0.9	10.1	88	5.0	2	6	5	12	5	0	0	0	0	2	1	4	5	4	14	0	0	0	9	17	4	2	0	4	2	8	7	1	1																					
SOMERSET																																																											
EXTON	-	9	-	-	7.4	0.4	10.1	94	6.5	0	3	4	6	12	5	0	2	1	2	0	3	7	2	11	2	0	0	7	23	0	5	1	1	1	8	9	4	1																					
		15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																						
		21	-	-	6.7	0.4	9.6	94	5.4	3	4	4	6	11	2	0	1	1	0	0	8	5	5	10	0	0	6	24	0	6	1	0	3	7	9	4	0	-																					
YEOVILTON	23	3	1024.7	-	7.5	0.7	9.9	90	4.6	3	4	11	4	5	3	0	1	1	3	0	3	7	13	2	0	0	1	7	14	8	0	0	0	3	1	11	5	2																					
		9	1025.1	-	8.0	0.7	10.3	90	5.8	1	5	2	14	6	2	0	1	3	1	3	6	5	10	0	0	2	6	11	11	0	0	0	2	3	10	4	0	-																					
		15	1023.6	-	11.7	1.8	11.1	78	5.8	0	4	5	12	9	0	0	0	0	0	4	6	10	10	0	0	2	15	11	2	2	0	1	1	4	10	7	3																						
		21	1024.6	-	8.5	0.8	10.3	89	4.4	3	8	6	5	8	0	0	0	1	0	3	7	14	4	0	0	1	9	15	5	2	0	3	2	2	10	5	1																						
DORSET																																																											
HURN	11	3	1025.2	-	7.8	0.7	10.1	90	4.9	7	1	6	6	8	2	0	3	0	2	1	5	4	14	0	0	0	5	20	5	3	1	2	2	4	7	3	3																						
		9	1025.7	-	8.0	0.8	10.2	90	5.3	0	8	3	13	4	2	0	2	0	1	0	2	9	8	7	1	0	1	6	20	3	5	2	0	3	4	8	5	0																					
		15	1024.3	-	11.8	2.0	11.0	76	5.9	0	4	5	14	7	0	0	0	0	1	0	8	5	13	3	0	1	14	14	1	2	0	3	3	2	8	8	3																						
		21	1025.1	-	8.5	0.9	10.3	88	5.6	4	4	2	7	11	2	0	2	0	0	3	8	1	16	0	0	0	8	21	1	4	1	2	2	4	6	7	3																						
PORTLAND	54	3	1024.8	-	10.7	0.5	12.4	93	4.8	6	3	5	8	7	1	0	0	0	1	0	4	16	8	1	0	5	16	9	0	3	1	2	3	2	7	7	5	-																					
		9	1025.2	-	10.9	0.6	12.5	92	5.8	1	4	7	7	10	1	0	0	0	1	0	3	12	9	1	0	9	12	9	0	2	1	2	4	4	6	9	2	-																					
		15	1023.9	-	11.9	0.9	12.8	89	6.3	0	3	3	17	7	0	0	0	0	0	0	12	9	8	1	0	9	15	6	0	2	0	2	4	4	7	9	2	-																					
		21	1024.7	-	10.7	0.7	12.2	91	4.7	6	3	6	4	10	1	0	0	0	1	0	5	11	13	0	0	5	17	8	0	5	1	3	4	2	5	8	2	-																					
DEVON																																																											
EXETER	38	3	1024.8	-	8.3	0.7	10.4	90	5.0	4	3	6	9	6	2	0	2	0	1	0	1	4	8	7	7	0	0	8	19	3	2	4	1	5	8	4	2	1																					
		9	1025.1	+11.3	8.6	0.7	10.7	91	5.8	0	6	3	14	7	0	0	0	1	0	1	3	5	7	3	10	0	7	20	3	2	3	2	3	10	5	1	1																						
		15	1023.7	-	11.7	1.6	11.5	81	6.3	1	2	2	17	8	0	0	0	0	0	0	8	3	11	8	0	0	10	20	0	3	1	0	6	5	9	4	0																						
		21	1024.7	-	8.9	0.7	10.7	90	4.6	5	6	3	9	7	0	0	1	0	0	0	1	4	6	9	9	0	0	5	23	2	2	0	2	4	9	4	5	2																					
HARTLAND POINT	93	3	1023.2	-	10.2	1.3	10.7	83	4.7	1	5	12	4	8	0	0	0	0	1	0	0	9	8	12	0	9	10	11	0	2	1	2	4	4	6	9	2	-																					
		9	1023.1	-	10.5	1.3	10.9	83	6.3	0	1	5	16	8	0	0	0	0	0	1	5	7	8	9	2	6	15	7	0	2	1	0	4	5	4	13	1																						
		15	1022.3	-	11.3	1.6	11.1	80	6.3	0	1	6	15	8	0	0	0	0	0	1	2	9	7	11	1	9	7	13	0	4	0	2	4	1	5	12	2	-																					
		21	1023.1	-	10.2	1.5	10.4	81	4.5	3	4	12	4	7	0	0	0	0	0	1	1	10	7	11	1	6	13	9	1	2	1	5	2	5	10	3	-																						
MOUNT BATTEN	28	3	1024.8	-	9.5	0.8	11.0	89	4.7	5	5	5	4	9	2	0	2	0	0	0	8	10	8	2	0	3	10	16	1	2	0	3	2	5	7	4	6	-																					
		9	1025.0	+11.2	9.5	0.8	11.0	89	6.2	1	3	1	19	6	0	0	1	0	0	2	2	9	5	4	0	4	13	11	2	2	1	5	3	2	9	3	3	-																					
		15	1023.8	-	11.9	1.3	12.0	83	6.4	1	2	2	15	10	0	0	0	0	1	0	8	9	8	4	1	4	14	11	0	2	0	4	2	4	8	6	4	-																					
		21	1024.7	-	10.2	0.9	11.3	87	5.2	2	4	7	12	5	0	0	0	0	0	2	8	7	11	2	0	3	12	15	0	1	2	6	3	3	7	5	3	-																					
PRAWLE POINT	-	3	-	-	-	-	-	-	-	4.4	2	7	10	5	6	0	0	0	1	0	1	7	8	13	0	1	11	10	8	0	3	1	4	1	6	8	7	0	-																				
		9	-	-	-	-	-	-	-	6.0	1	1	7	14	7	0	0	1	0	0	1	7	6	15	0	3	11	10	6	0	4	1</																											



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

NOVEMBER 1978

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)	1	4	20	5	0	0	0	0	0	0	0	4	13	13	0	0	CAMBRIDGE BOTANIC GARDENS	0	4	1	19	6	0	0	0	0	0	2	4	7	14	3	0	0
LERWICK (SCREEN)	1	4	20	5	0	0	0	0	0	0	0	4	14	12	0	0	EDDABASTON	0	5	3	21	1	0	0	0	0	0	0	4	6	16	4	0	0
STORNOWAY	0	5	10	15	0	0	0	0	0	0	0	2	12	11	5	0	KEN (PSYCHROMETER)	0	5	3	15	7	0	0	0	0	0	2	4	7	8	9	0	0
CRAIBSTONE	0	7	5	15	3	0	0	0	0	0	0	5	13	12	0	0	KEN (NORTH-WALL SCREEN)	0	5	3	15	7	0	0	0	0	0	0	4	3	13	10	0	0
ROTHESAY	0	6	3	21	0	0	0	0	0	0	0	4	7	15	4	0	HASTINGS	0	4	2	20	4	0	0	0	0	0	0	5	3	10	12	0	0
ABBOTSINCH	0	6	3	21	0	0	0	0	0	0	2	4	6	10	8	0	SOUTHAMPTON	0	2	4	17	7	0	0	0	0	0	0	4	6	10	10	0	0
ESKDALEMUIR (PSYCHROMETER)	1	6	8	15	0	0	0	0	0	0	2	5	6	16	1	0	STONYHURST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ESKDALEMUIR (SCREEN)	0	7	7	16	0	0	0	0	0	0	2	5	6	16	1	0	VALLEY	0	1	7	21	1	0	0	0	0	0	0	2	5	7	16	0	0
DOUGLAS	0	4	4	22	0	0	0	0	0	0	0	3	6	13	8	0	RHOOSE	0	4	2	21	3	0	0	0	0	0	1	3	5	9	12	0	0
BOULMER	0	6	5	16	3	0	0	0	0	0	0	5	5	15	5	0	FALMOUTH	0	0	6	21	3	0	0	0	0	0	0	2	5	14	9	0	0
HULL	0	4	3	17	6	0	0	0	0	0	1	4	6	17	2	0	ALDERGROVE	0	3	7	20	0	0	0	0	0	0	1	3	7	14	5	0	0
GORLESTON	0	1	8	16	5	0	0	0	0	0	0	3	8	14	5	0	ARMAGH	0	5	4	20	1	0	0	0	0	0	1	3	8	14	4	0	0

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

NOVEMBER 1978

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES		DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										HIGHEST VALUES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		ABOVE MSL	ABOVE GROUND EFFECTIVE	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
				DATES OF OCCURRENCE					NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS					VEER FROM N	SPEED-KT	DRY	HOUR BEGINNING	VEER FROM N	SPEED-KT	DRY	TIME																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

219  
NOVEMBER 1978

DISTRICT REGION/COUNTY AND PLACE			HEIGHT OF VANE IN METRES		DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										HOURS OF NO RECORD		HIGHEST VALUES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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					DATES OF OCCURRENCE					NUMBER OF HOURS	NUMBER OF DAYS	NUMBER OF HOURS		MEAN HOURLY WIND SPEED (KT)			VEER FROM N	SPEED-KT	DAY	HOUR BEGINNING	VEER FROM N	SPEED-KT	DAY	TIME																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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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	MAY	ABER											(34)				(6)											(8.78)			
	JULY	ABER											(31)				(11)	(9)										(6.90)			
1978	SEPTEMBER	ILFRACOMBE															(12)	(9)													
	JANUARY	NEWQUAY	8.4	3.5	5.9	-0.2							(115)	(122)			(22)	(19)										1.86	98		
		ILFRACOMBE															(23)	(20)													
		OKEHAMPTON		0.7																											
	FEBRUARY	SIDMOUTH	8.1		5.3	+0.1																						(2.50)	(89)		
		NEWQUAY																										(2.69)			
		GULVAL																													
		OKEHAMPTON		(0.1)																				(14)	(12)						
		ST. JOHNS											149	169																	
		ILFRACOMBE											105		15	18															
		NETTLECOMBE											165		29	19															
	MARCH	HAWKRIIDGE											150	124			21	17													
		PONTEFRAC		2.9	6.6	+1.4			-0.5	18																					
		NEWQUAY		4.3	7.2	-0.2																									
	APRIL	GULVAL																										(3.77)			
		PONTEFRAC		2.9																											
		CAVENDISH																													
		CARMARTHEN	11.2		6.9																										
		NEWQUAY	10.4		7.0	-2.3																									
	MAY	NEWQUAY	14.8		11.4	-0.1																									
		ILFRACOMBE		8.8					4.9	17																					
		SLAPTON	16.5		12.4																										
	JUNE	HAWARDEN BRIDGE	18.0		13.9	-0.8																									
	JULY	NEWQUAY																										7.15	100		
		DURHAM																													
		HARTLEPOOL								4.12																					
		BRIDLINGTON																													
		KIRTON		10.1																									4.74		
		SKEGNESS	17.3																												
		CROMER					25.2	27.28																							
		SANTON DOWNHAM		9.7	14.4																										
		TERRINGTON ST CLEMENT	18.8		14.5	-1.6																							4.13	71	
		CAMBRIDGE BG										14.5																			
		CAMBRIDGE NIAB	19.4		14.9																										
		HAUGHLEY	18.9									15.8																			
		LOWESTOFT		11.6	14.7	-1.5																									
		ALDENHAM SCHOOL																													
		STANFORD-LE-HOPE																													
		PONTEFRAC	18.0	10.5	14.3	-1.2	24.2	29	7.5	11																					
		NEWTORPE		7.1	12.9																										
		NOTTINGHAM																													
		HEREFORD																													
		WISLEY																													
		DOVER RMS																													
		HADLOW COLLEGE		(10.4)	(15.1)																										
		ALICE HOLT LODGE																													
		LECKFORD																													
		LONG SUTTON																													
		MARTYR WORTHY	(19.3)		(15.0)																										
		SPARSHOLT	(19.2)	(10.4)	(14.8)				(6.0)	7																					
		SANDOWN																													
		SHANKLIN																													
		BEXHILL																													
		BRIGHTON																													
		HASTINGS																													
		PLUMPTON		(11.9)																											
		SELLAFIELD																													
		KIRKHAM																													
		SLAIDBURN		9.2	13.0				5.8	4.6																					
		BOTWING	16.6		13.6																										
		BWLCHGWYN																													
		COLWYN BAY																													
		DALE FORT	16.6	11.4	14.0	-1.5	20.1	14	9.1	4	15.1																	(4.96)	(84)		
		TRAWSCOE																													
		CARDIFF (BUTE PARK)	18.7				23.4	14																					3.74		
		WINCANTON																													
		PORTLAND BILL CG																													
		ILFRACOMBE	17.1	12.7	14.9		21.3	22	8.5	5	16.9	15.1	108		21	27	15	13	0	0	0	0	0	0	0	0	0		4.74		
		Penzance	18.2		15.1	-1.0	23.9	14																					5.74		
		ALDERNEY																													

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.

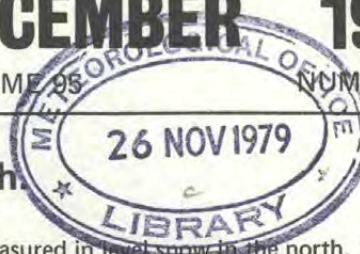


# MONTHLY WEATHER REPORT

COMPILED FROM RETURNS OF OFFICIAL AND VOLUNTARY OBSERVERS

**DECEMBER 1978**

VOLUME 95 NUMBER 12



## Heavy rain and gales at times, snowy and very cold at end of month.

A ridge of high pressure extending from an anti-cyclone to the north-east receded during the first few days of the month, allowing a series of fronts to move slowly eastwards over Britain. The Scandinavian anticyclone declined on the 8th and fronts continued to cross the British Isles, mostly from south-west to north-east. A large low-pressure area became centred over Britain on the 14th, but this drifted to northern France on the 16th and a ridge of high pressure from the Azores to Iceland then moved south-east across all parts. Another area of low pressure developed over the Bay of Biscay on the 20th and fronts moved northwards across the British Isles during the next few days. Frontal troughs became slow-moving over central and northern districts between the 24th and the 28th, with a cold easterly airstream persisting over northern Britain, while a mild south-westerly flow developed in the south. A depression moved eastwards across southern counties on the 29th and the cold air then moved south to all areas.

### Weather

Except in north-west Scotland, where it was unusually dry, most parts of the United Kingdom had a very wet month, the heavy rainfall causing flooding in parts of the north. Scattered thunderstorms occurred, mainly in southern England. It was also windy, and there were severe gales at times on exposed coasts and hills. Overnight fog in inland areas was occasionally slow to clear, particularly in central England. Mild spells alternated with colder periods throughout December, and it became extremely cold by the 31st. Snow fell widely towards the end of the month, the strong winds causing deep drifts.

### Wind

Wind directions were predominantly between east and south-east, although there were occasional south-westerlies. Except during the third week, wind speeds frequently reached gale force in exposed places, and on the 7th gusts of 73 and 74 kt occurred at several high-level stations in northern Britain. Southern districts experienced severe south-westerly gales on the 12th and 13th, when gusts of between 70 and 75 kt were recorded in the Isles of Scilly and along Channel coasts. Several people lost their lives because of the rough weather, and the heavy seas caused flooding, particularly in Portland. East to north-easterly gales spread southwards during the last few days and became severe at times over southern and eastern England.

### Temperature

Monthly mean temperatures were between 0 and 1 °C above average over most southern counties of England, in parts of East Anglia and also in a few places in northern Scotland. Mean temperatures were below normal in all other areas, mostly by not more than 1 °C, but by between 1.5 and 2.0 °C in parts of the north Midlands. After a cold start, most areas became mild until around mid-month. Monthly maxima occurred during the second week in all districts and the 10th and 11th were particularly mild. The temperature rose to 16.0 °C at Yeovilton (Somerset) on the 10th and to 16.1 °C at Pen-y-Ffridd (Gwynedd) on the 11th. Colder conditions returned during the third week, but the southern half of Britain

had another mild spell between the 24th and the 28th. Cold weather then spread southwards and the end of the month was very cold. On the night of the 30th/31st the temperature fell to -15.2 °C at Gartly and to -15.1 °C at Glenlivet, both in the Grampian Region. Except at a few coastal places in southern and western Britain, temperatures on the 31st remained below 0 °C generally.

### Rainfall

Monthly rainfall was well above average in Northern Ireland, where this was the wettest December over the Province as a whole since records began in 1900. England and Wales, taken together, had their wettest December since 1934. In eastern parts of Great Britain, and of Northern Ireland, many places recorded more than twice their average rainfall for the month and some more than three times the normal amount. In marked contrast with all other parts of the United Kingdom, however, much of north-western Scotland was very dry, with less than 25 per cent of the average monthly rainfall. The exceptionally heavy rain in many other areas caused extensive flooding at times, and during the last few days of the month the River Ouse rose to nearly 5 m above its normal level in York, causing the worst floods in the city since 1947. In the 48 hours starting at 09 GMT on the 27th the total rainfall at Silent Valley (Co. Down) was 214.3 mm, and 205.5 mm fell at West Baldwin Reservoir (Isle of Man) during the same period. Both these events are classified as 'very rare falls'.

### Snow

Scattered wintry showers occurred during the first few days of the month and also in the early part of the third week. Snow fell more widely between the 20th and the 23rd, but showers of snow and sleet were confined mainly to northern districts from the 24th to the 28th. Frequent falls of snow occurred in all areas during the last few days of the month and accumulated depths of at least 25 cm were

measured in level snow in the north. Strong to gale force easterly winds caused considerable drifting, and many small towns and villages in Scotland and north-east England were cut off by snowdrifts. In south-west England, severe gales made the measurement of depths of level snow impossible in some places, but drifts of up to about 2 m were reported on the 31st.

### Sunshine

Sunshine was above average in Northern Ireland as a whole, and also in western parts of Great Britain, but totals were below normal almost everywhere else. Much of England and Scotland, away from the west, had a dull month, and less than 50 per cent of the average was recorded in parts of north-eastern England and eastern Scotland. In Shetland, Baltasound, with only 3.4 hours of recorded sunshine, had one of its dullest Decembers since records began in the area early this century.

### Fog

Overnight fog developed fairly frequently in eastern, central and south-east England during the first week and also between the 18th and the 23rd. The fog was widespread, dense and freezing at times and it persisted throughout the day in places. Large numbers of motor vehicles were involved in collisions in dense fog in eastern England on the 4th and 5th and in the Greater Manchester area on the 19th. Thick fog also delayed flights at London/Heathrow Airport on the 22nd. Patches of fog occasionally formed at other times during the month in England and occurred from time to time in the Central Lowlands of Scotland and over the Southern Uplands. Coastal fog affected north-eastern England and eastern Scotland on the 11th.

### Miscellaneous Phenomena

The Press reported damage to a school in Llandissilio (Dyfed) on the 12th, following a whirlwind.

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	14.0	−8.8	−0.5	+0.4	0.0	+0.2	−3	50	75
1 Scotland E	12.5	−11.3	−1.2	+0.4	−0.4	+0.7	+5	187	59
2 England E & NE	13.8	−10.2	−0.9	−0.4	−0.7	+0.3	+8	296	55
3 East Anglia	14.1	−10.2	−0.2	+0.4	+0.1	+0.5	+5	190	78
4 Midland Counties	15.4	−10.9	−0.7	−0.5	−0.6	−0.1	+4	223	74
5 England SE & Central S	14.6	−7.4	+0.2	+0.6	+0.4	+0.4	+5	219	71
6 Scotland W	13.2	−9.2	−1.2	−0.3	−0.7	0.0	0	87	93
7 England NW & Wales N	15.3	−8.6	−1.1	−0.7	−0.9	−0.4	0	121	96
8 England SW & Wales S	15.5	−8.0	−0.2	+0.1	−0.1	+0.1	+4	174	83
N Ireland	13.5	−5.5	−0.6	−0.3	−0.5	+0.3	0	192	118
Scotland	14.0	−11.3	−1.0	+0.2	−0.4	+0.3	+1	108	76
England & Wales	15.5	−10.9	−0.5	−0.1	−0.3	+0.1	+4	204	76

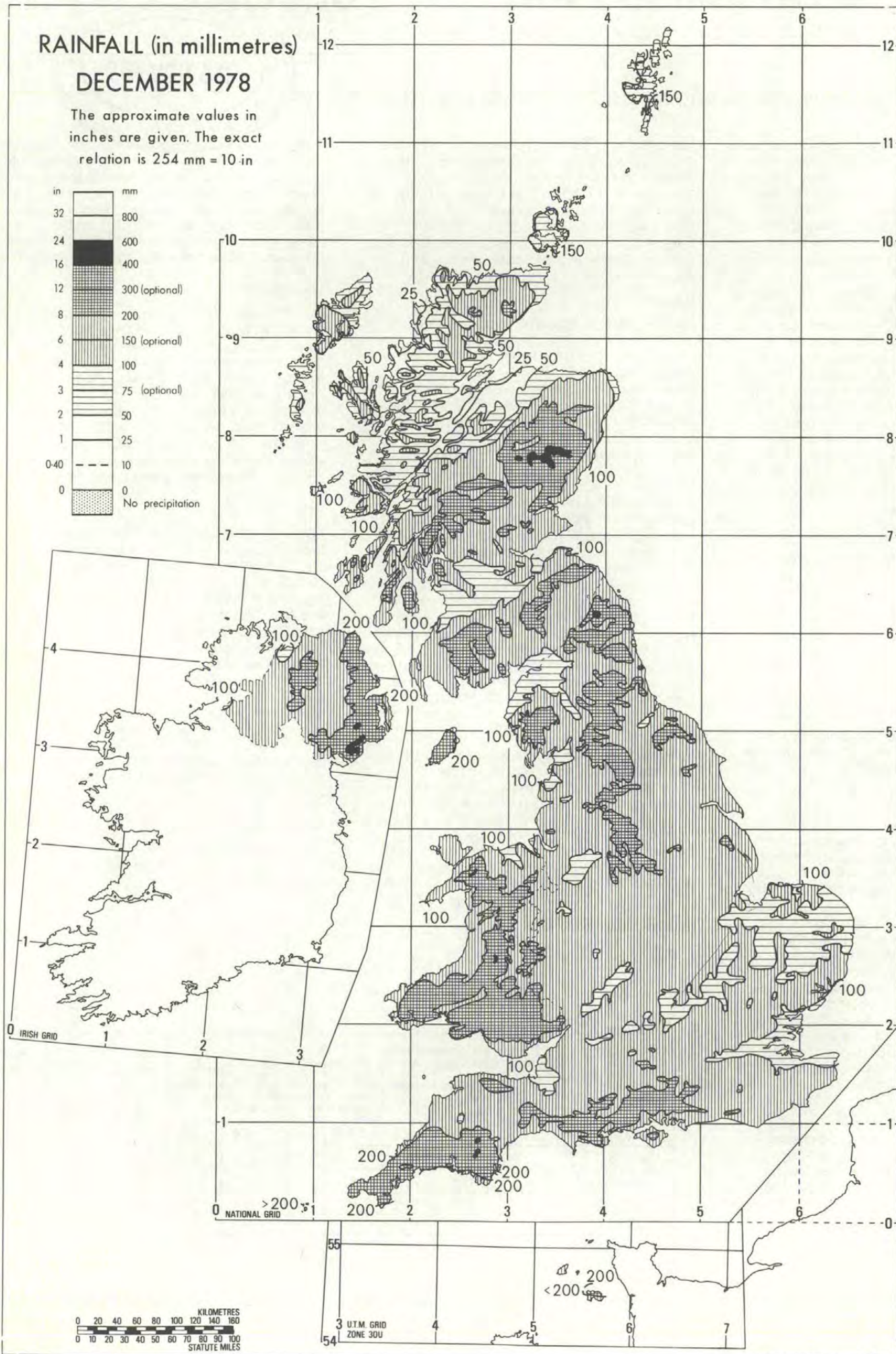
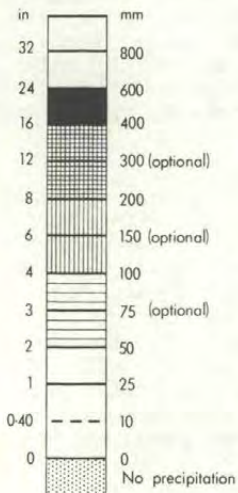
\*Highest maximum and lowest minimum of District Value Stations



# RAINFALL (in millimetres)

## DECEMBER 1978

The approximate values in inches are given. The exact relation is 25.4 mm = 1 in





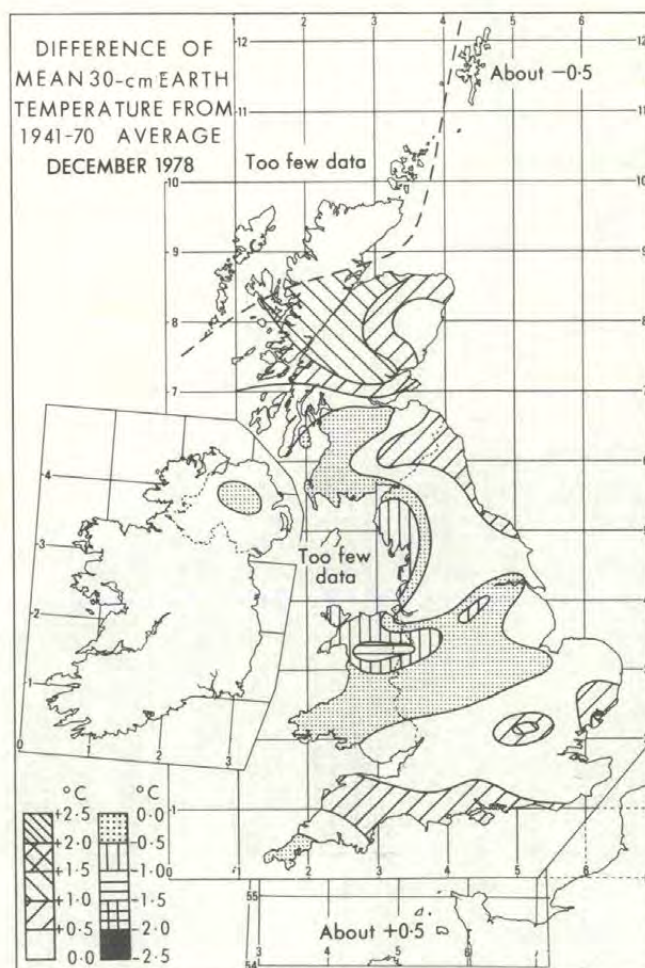
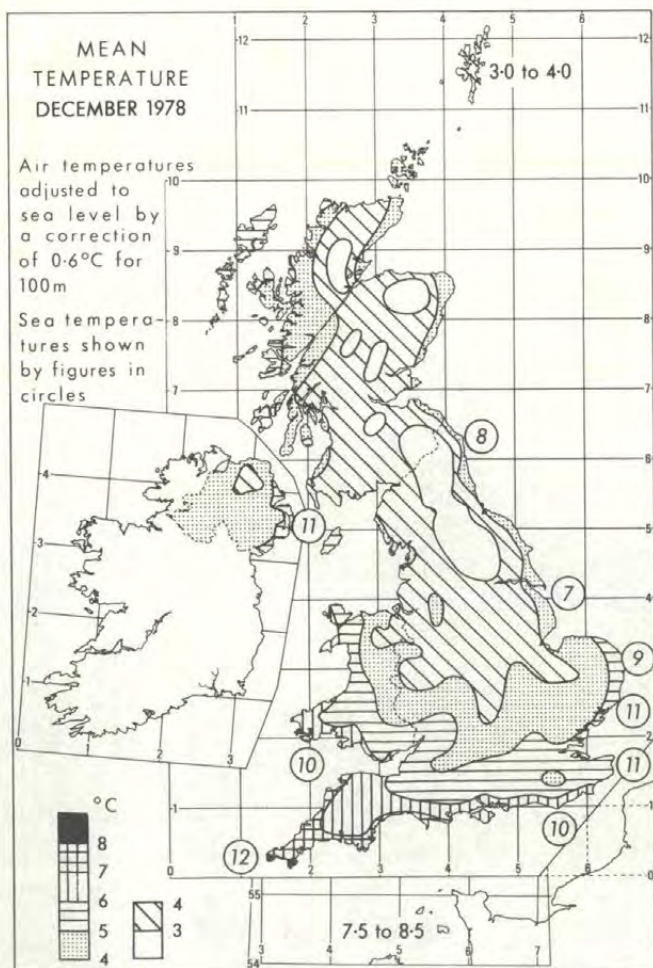
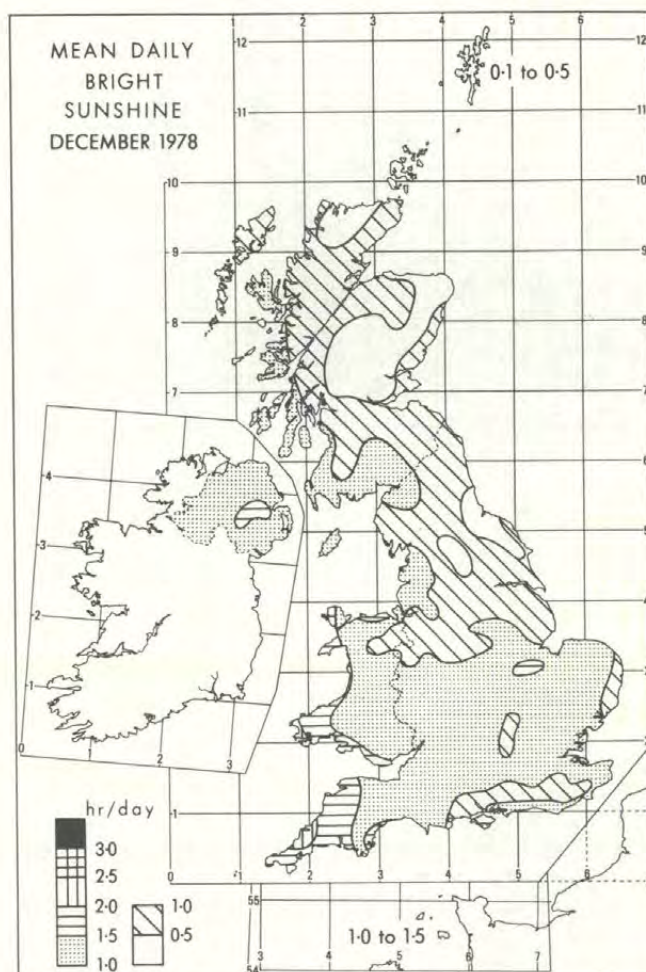
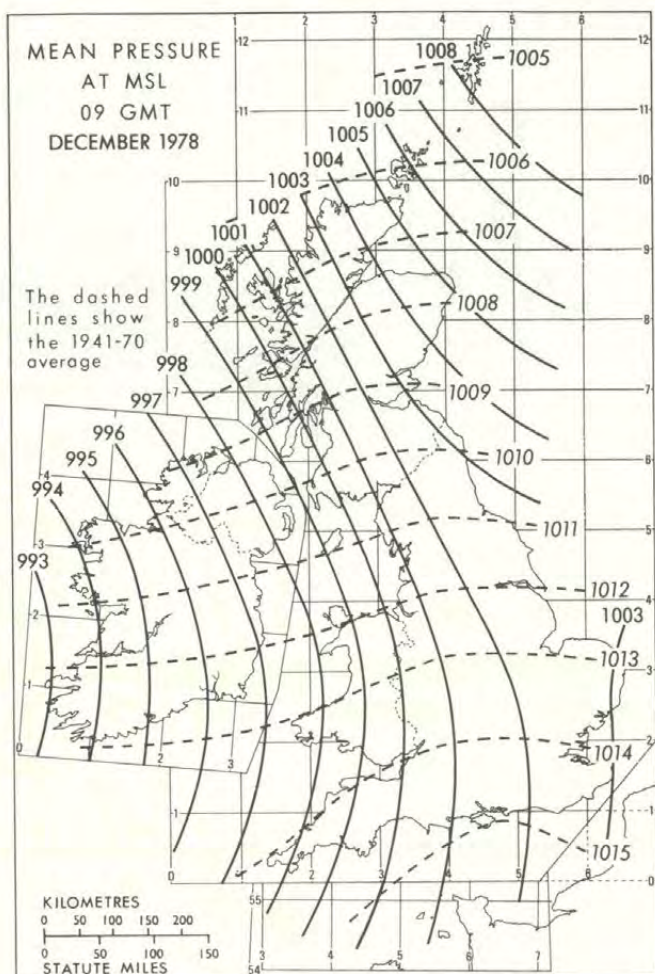




TABLE 2 SOLAR RADIATION

DECEMBER 1978

STATION	DAILY GLOBAL IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)						DAILY DIFFUSE IRRADIATION ON A HORIZONTAL SURFACE (MEGAJOULES PER SQUARE METRE)					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	NO. OF DAYS
LERWICK	1.1	1	0.0	10.11.12	0.3	30	0.8	1	0.0	10.11.12	0.3	30
ABERDEEN UNIVERSITY	1.9	18	0.1	26	0.7	31						
ESKDALEMUIR	3.6	1	0.1	25	1.2	28	1.7	5.30	0.1	2	0.8	28
MOOR HOUSE	4.3	1	0.2	27	1.1	29						
SUTTON BONINGTON												
GRAHAM WATER												
ABERPORTH	4.0	19	0.6	11	2.2	29	2.3	14	0.6	11.23.27	1.5	29
CARDINGTON												
SILSOE	4.8	1	0.4	27	2.0	31	2.3	6	0.3	27	1.3	31
ROTHAMSTED												
GARSTON												
MALLINGFORD	3.7	19	0.5	20.21	1.9	31						
LONDON WEATHER CENTRE												
KEW	3.9	6	0.3	21	1.7	30	2.4	14	0.3	21	1.3	30
EASTHAMPTON	3.7	19	0.4	21	1.8	31	2.3	1	0.4	21	1.4	31
EAST MALLING	3.9	18	0.1	20	1.5	31						
RUSTINGTON												
WAREHAM	4.1	19	0.1	27	2.0	31						
JERSEY AIRPORT	5.4	9	0.6	16	2.5	31						
ALDERGROVE	2.8	4.18	0.3	27	1.5	31	1.8	30	0.3	8.27	1.0	31

TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1978

DISTRICT REGION/COUNTY AND PLACE		MAX. TERMINAL HEIGHT 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 CH DEGREES C	100 CH DEGREES C	TOTAL FALL (MM)	PERCENTAGE OF 1941-70 AVERAGE	MOST IN A DAY	PRECIP- ITATION	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
				MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																					
0 SCOTLAND N																																
SHEPHERD																																
BALASOUND ...		9 9	24	4.8	1.3	3.1	-1.0	8.3	13	-4.8	31	4.6	-	100	74	13	10	24	20	12	4	1	0	0	0	12	-	5	0.11	35	S	
FAIR ISLE ...		9 9	57	5.4	3.2	4.3	-	9.2	10.11	-4.3	31	5.7	6.8	51	-	6	24	23	17	11	3	2	10	0	1	4	9	-	13	0.38	-	-
LERWICK		21-9	82																													
PSYCHROMETER				4.3	2.5	3.4	-	7.8	10.11	-5.9	29	-	-	63	-	9	23	21	16	-	4	5	3	0	1	5	13	13	3	0.27	54	-
SCREEN ...				4.4	2.3	3.3	-0.7	8.1	11	-5.6	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORKNEY																																
KIRKALL AIRPORT		21-9	26	5.2	3.1	4.1	-0.2	9.2	10.12	-5.7	31	-	-	89	71	23	25	25	22	13	4	2	7	0	1	4	9	9	3	0.45	58	-
WEYLAND ...		9 9	24	5.7	3.2	4.5	-	9.3	12	-3.9	31	4.7	-	72	-	17	25	24	20	10	3	1	4	0	0	3	12	-	3	4	-	-
WESTERN ISLES																																
BENBECULA		21-9	6	6.8	3.9	5.3	-0.4	12.0	11	-5.1	31	-	-	97	-	14	8	24	20	5	0	0	2	0	0	5	9	9	2	0.68	76	-
STORNOWAY		21-9	15	6.7	4.4	5.5	+0.6	11.9	11	-6.8	31	-	-	71	-	12	25	23	13	4	0	0	0	0	0	4	4	4	0	0.66	80	-
HIGHLAND																																
ACHARY		9 9	107	4.3	0.4	2.3	-	9.7	10	-10.5	31	4.5	-	119	-	22	25	23	20	6	3	1	0	0	0	10	19	-	4	0.52	-	-
ACHNASHELLACH		9 9	67	6.5	1.7	4.1	+0.4	14.0	10	-8.8	30	-	-	59	23	12	24	21	13	3	5	0	0	0	0	8	-	-	-	-	-	-
BALMACRA		9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CAPE WRATH		21-9	112	6.8	2.8	4.8	-0.5	11.5	12	-5.1	30	-	-	51	42	13	25	17	12	3	3	2	0	0	0	4	5	4	10	0.58	-	S
CASSLEY		9 9	99	4.7	0.8	2.7	-	9.5	11	-9.5	31	-	-	67	-	12	25	22	16	-	-	-	-	-	-	10	24	-	-	-	-	-
CORPACH		9 9	8	6.6	2.2	4.4	-	13.9	11	-6.8	31	-	-	42	-	7	9	16	10	0	0	0	0	0	0	7	15	-	0	-	-	-
CRAIGARROCH		9 9	38	5.3	-0.4	2.5	-	11.9	11	-12.0	31	-	-	62	-	9	13	20	13	2	6	0	0	0	1	15	20	-	0	-	-	-
DALCROSS		9 9	11	5.4	0.8	3.1	-	13.1	11	-10.8	31	-	-	25	-	8	13	14	5	-	-	-	-	-	-	7	21	-	1	-	-	-
DALWHINNIE		9 9	351	2.9	-1.1	0.9	-	9.0	10	-12.4	31	-	-	158	-	69	7	25	15	8	6	0	0	0	0	15	19	-	1	0.16	-	S
DIABIG		9 9	60	7.0	3.7	5.3	-	13.7	11	-6.0	31	-	-	28	-	9	22	11	7	2	0	0	0	0	0	3	-	-	3	-	-	-
DOUNREAY		9 9	21	5.3	(1.4)	(3.3)	-	9.5	11	(-10.0)	31	-	-	(97)	(98)	(12)	25	(23)	(19)	-	-	-	-	-	-	-	-	-	6	-	-	-
FORT AUGUSTUS		9 9	21	6.2	2.3	4.3	+0.7	12.7	10	-7.0	31	-	-	40	-	18	7	16	7	2	0	0	0	0	0	7	-	-	2	0.89	141	-
FORTROSE		9 9	5	6.0	2.7	4.3	-0.2	12.9	11	-5.6	31	-	-	19	30	7	13	14	6	-	-	-	-	-	-	-	-	-	-	0.98	92	-
GEISGILL		9 9	12	6.5	1.8	4.1	-	12.9	13	-9.0	31	-	-	34	-	6	16	17	10	-	-	-	-	-	-	-	-	-	-	0.48	-	-
GLENMORE LODGE		9 9	341	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GRANTOWN-ON-SPEY		9 9	229	3.8	-0.6	1.6	-	11.4	10.11	-13.4	31	-	-	36	-	8	7	20	13	7	11	0	0	0	1	15	27	-	0	0.92	-	-
HEASTE		9 9	109	6.3	2.4	4.3	-	12.8	11	-8.0	31	-	-	50	-	9	22	12	10	1	0	0	0	0	0	7	11	-	3	-	-	-
INVERNESS		9 9	4	(6.2)	(1.5)	(3.9)	-	13.2	11	-8.5	31	-	-	19	32	5	13	11	5	1	0	0	0	0	0	6	-	-	1	0.85	-	-
INVERPOLLY		9 9	14	(6.5)	(2.6)	(4.5)	-	14.0	11	-7.0	30	-	-	45	-	12	31	15	11	-	-	-	-	-	-	6	12	-	-	-	-	S
ISLE OF RHUM		9 9	5	7.5	3.4	5.5	-	13.1	11	-3.6	31	6.2	8.1	108	39	20	19	23	18	1	0	0	0	0	0	6	10	-	1	-	-	-
KEISS		9 9	30	5.8	3.2	4.5	-	9.2	12	-2.8	31	4.8	6.0	58	-	13	14	22	14	5	1	0	3	0	1	5	8	-	8	0.64	-	-
KNOCKARROCK		9 9	244	4.0	0.4	2.2	-	10.6	11	-10.0	31	-	-	72	27	14	13	19	15	-	-	-	-	-	-	10	16	-	-	-	-	-
LAGGANLIA		9 9	250	4.6	-0.4	2.1	-	12.3	11	-14.7	31	-	-	65	-	31	7	20	11	8	7	0	0	0	0	10	16	-	-	-	-	-
LAIRG		9 9	107	4.4	0.4	2.4	-	9.8	11	-10.2	31	3.4	5.3	122	-	21	25	25	19	7	4	0	0	0	0	10	16	-	1	-	-	-
LENTAN		9 9	146	4.4	-0.3	2.1	-	11.3	11	-11.5	31	4.7	-	27	-	8	13	14	7	3	0	0	0	0	1	14	26	-	-	-	-	-
NAIRN		9 9	6	5.6	0.6	3.1	-0.8	12.6	11	-11.6	31	-	-	22	41	9	15	12	4	2	1	0	0	0	0	10	15	-	2	0.98	84	-
ONICH		9 9	15	6.7	2.2	4.5	0.0	13.0	11	-6.5	31	-	-	56	24	9	7	18	14	-	-	-	-	-	-	-	-	-	-	0.65	106	S
POOLEWE		9 9	6	7.0	2.7	4.9	-	13.4	11	-9.1	31	-	-	28	-	8	22	13	6	2	0	0	0	0	0	5	9	-	0	0.76	-	-
PRABOST		9 9	67	6.4	2.4	4.4	-	12.3	11.12	-5.7	31	-	-	60	28	10	22	23	15	2	0	0	0	0	0	5	14	-	7	1.12	-	-
STRATHCONON		9 9	107	4.6	-0.2	2.2	-	11.9	11	-15.0	31	-	-	85	-	16	13	19	15	6	6	0	0	0	-	13	-	-	0	-	-	-
TARBATNESS		21-9	18	5.7	3.5	4.6	+0.4	9.9	11.12	-5.9	31	-	-	30	-	6	14	17	10	2	2	0	4	0	0	5	-	-	7	-	-	-
TOMATIN		9 9	311	3.4	-0.3	1.5	-	10.9	11	-11.6	31	-	-	28	-	4	15	17	11	8	-	-	-	-	-	13	-	-	0	-	-	-
TORRISDALE		9 9	27	5.4	1.9	3.7	-	10.4	11	-10.0	31	-	-	43	-	7	31	18	10	3	3	1	0	0	0	4	13	-	5	0.36	-	S
WICK		21-9	36	5.7	3.6	4.7	+0.6	9.3	10.11.12	-7.0	31	-	-	63	74	15	14	22	18	8	2	0	6	0	0	4	10	8	1	0.58	56	-



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								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	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	DROSS MIN. BELOW 0 DEG C	CONCRETE MIN. BELOW 0 DEG C	DALE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE
									MAX.	DATE	MIN.	DATE																					
					MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																					
1 SCOTLAND E																																	
GRAMPIAN																																	
ABERDEEN																																	
DYCE AIRPORT ...			21-9	58	5.0	2.0	3.5	+0.2	9.8	10	-7.0	31	-	-	160	213	20	8	25	21	12	2	2	6	0	1	8	16	13	0	0.53	36	-
BALMORAL ...			9 9	283	3.1	-0.6	1.3	-0.4	10.1	10	-9.8	31	-	-	187	210	29	7	25	22	11	6	0	0	0	0	15	23	0	0	0.40	-	-
BANCHORY ...			9 9	94	4.3	0.8	2.5	-	9.7	11	-7.4	31	-	-	253	-	42	8	26	22	13	3	0	2	0	0	10	14	12	1	0.43	-	-
BANFF ...			9 9	24	5.2	2.4	3.8	-	9.4	11.12	-5.3	31	-	-	67	92	9	7	22	15	3	2	0	0	0	0	5	12	12	0	0.45	70	S
BRAEMAR ...			9 9	339	3.5	-0.3	1.6	-0.1	9.6	10.11	-10.2	31	-	-	(191)	(195)	38	7	(25)	(21)	-	-	-	-	-	-	15	15	-	-	-	-	
CLASHMOIR ...			9 9	338	2.8	-1.0	0.9	-	9.7	11	-13.0	31	2.5	-	160	-	27	7	24	21	15	14	1	0	0	0	16	25	8	0	0.62	-	-
CRAIBSTONE ...			9 9	91	4.9	1.7	3.3	-0.2	10.0	10	-6.3	31	4.2	5.9	141	186	18	8	26	22	5	2	0	0	0	3	7	14	11	0	0.31	35	-
CULTERTY ...			9 9	3	5.7	2.6	4.1	-	9.6	10	-4.6	31	-	-	104	161	10	8	26	21	3	0	0	0	0	0	7	11	2	0	0.44	-	-
ELGIN ...			9 9	15	5.3	(1.3)	(3.3)	-	11.6	10	-(11.1)	30	-	-	50	76	10	13	22	15	5	0	0	2	0	1	6	16	12	0	0	-	-
FOREHILL ...			9 9	40	5.4	2.4	3.9	-	9.9	10	-5.5	31	-	-	92	-	9	4	23	20	6	2	0	0	0	0	5	12	-	2	0	-	-
FORRES ...			9 9	5	5.5	1.5	3.5	-0.2	12.5	11	-10.1	31	4.2	5.9	30	-	9	15	20	7	4	0	0	1	0	0	7	17	-	4	0.85	63	S
FRASERBURGH ...			21-9	19	6.0	3.0	4.5	-	9.9	11	-4.5	31	-	-	77	110	12	23	22	17	8	2	0	1	0	0	5	11	9	0	0.26	-	-
FYVIE CASTLE ...			9 9	55	4.5	0.3	2.4	-	9.5	10.11	-9.0	30.31	-	-	172	207	25	8	24	24	4	2	0	0	0	-	9	15	-	-	-	-	
GARTLY ...			9 9	146	4.0	-0.1	1.9	-	9.8	10	-15.2	31	-	-	(208)	-	39	24	26	22	-	-	-	-	-	-	8	19	-	-	-	-	
GLENLIVET ...			21-9	215	3.3	-0.1	1.6	-	11.0	10	-15.1	31	-	-	93	101	15	7	25	18	12	9	0	0	0	3	15	17	17	1	0.65	-	-
INVERURIE ...			9 9	54	4.6	0.6	2.6	-	9.7	11	-6.5	31	-	-	186	-	28	8	25	23	6	5	0	0	0	0	11	17	0	0	0.31	-	-
KEITH ...			9 9	106	4.3	-0.1	2.1	-	10.1	10	-13.9	30.31	-	-	115	-	17	8	24	15	9	3	0	0	0	-	11	20	1	0	0.62	-	-
KINLOSS ...			21-9	5	5.3	1.5	3.4	-0.6	12.4	11	-11.3	31	5.5	-	31	57	8	15	18	8	7	3	0	2	0	0	10	21	15	2	0.85	-	-
LOSSIEMOUTH ...			21-9	6	5.5	1.7	3.6	-	11.6	11	-10.3	30	-	-	39	71	6	15	20	15	11	2	0	3	0	0	8	13	12	2	-	-	-
TAYSIDE																																	
ARBROATH ...			9 9	29	5.7	2.9	4.3	-	9.6	12	-4.8	31	-	-	108	180	15	8	23	19	4	1	0	0	0	0	6	11	0	0	0.71	47	-
ARDALNAIG ...			9 9	130	4.6	0.8	2.7	-	11.6	10	-8.6	31	-	-	232	146	53	7	23	21	7	6	0	0	0	0	12	17	-	0	0.18	-	-
DALL ...			9 9	232	3.6	-0.9	1.3	-	10.5	10	-11.8	31	-	-	198	141	58	7	22	18	9	7	0	0	0	0	16	-	1	-	-	-	-
DRUMMOND CASTLE ...			9 9	113	4.3	0.3	2.3	-	10.1	10.12	-5.8	31	3.8	-	162	-	18	24	24	22	6	7	0	0	0	-	15	19	-	0	0.38	-	-
DUNDEE ...			9 9	45	5.2	2.0	3.6	0.0	10.5	12	-5.3	31	4.0	-	193	279	32	24	25	20	4	4	0	0	0	2	8	18	1	0	0.62	42	-
FASKALLY ...			9 9	94	4.4	0.9	2.7	-	9.8	10	-7.3	31	4.0	6.4	143	143	36	7	18	17	4	5	0	0	0	0	11	15	0	-	-	-	-
KINDROGAN ...			9 9	259	3.0	-0.8	1.1	-	8.5	10	-9.6	2	-	-	224	-	59	7	23	18	7	8	0	0	0	2	14	21	0	-	-	-	-
KINROSS ...			9 9	116	4.5	0.2	2.3	-	10.4	11	-6.0	31	2.9	-	176	-	34	24	20	19	-	5	-	-	-	0	11	20	-	0	0.35	-	-
MONTROSE ...			9 9	57	5.4	2.2	3.8	-	9.2	11.12.13	-5.0	31	-	-	150	231	34	8	25	22	4	2	3	0	1	0	7	12	0	-	-	-	-
MYLNEFIELD ...			9 9	30	5.2	1.8	3.5	-	10.1	10	-5.6	31	4.3	6.7	216	342	43	24	24	21	5	3	0	0	0	0	8	16	0	0	0.46	-	-
PERTH ...			9 9	23	(5.1)	0.6	(1.4)	-	10.5	12	-6.8	31	-	-	(181)	(229)	35	8	(25)	(22)	-	3	-	-	-	3	10	-	-	-	-	-	-
STRATHALLAN ...			9 9	41	4.8	0.8	2.8	-	10.4	10	-6.0	31	-	-	160	-	23	8	23	21	6	4	0	0	0	0	11	21	0	-	-	-	-
USAN ...			21-9	30	5.8	3.3	4.5	-	9.5	11	-5.3	31	-	-	108	-	19	8	25	15	4	2	0	1	0	0	5	8	8	11	0.63	-	-
WHITEHILLOCKS ...			9 9	258	3.8	-0.1	1.9	-	9.8	10	-9.0	31	-	-	393	304	77	7	25	21	15	9	0	0	0	2	11	-	0	-	-	-	-
VIFE																																	
BELLISTON ...			9 9	82	5.1	1.8	3.5	-	10.0	12	-5.5	31	5.1	-	133	201	24	27	24	19	5	3	0	3	0	1	10	17	1	-	-	-	-
CUPAR ...			9 9	36	5.1	1.0	3.1	-	10.5	10	-5.3	20	3.6	-	160	-	27	27	25	21	6	4	0	1	0	-	12	18	0	0	0.45	-	-
GLENROTHES ...			9 9	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LEUCHARS ...			21-9	10	5.4	1.9	3.7	-0.2	10.5	10.12	-5.5	31	-	-	155	272	28	24	24	20	8	2	0	2	0	1	10	15	15	1	0.68	43	-
PITREAVIE ...			21-9	40	5.0	1.9	3.5	-	12.6	10	-7.1	31	-	-	139	220	25	24	23	20	7	4	1	0	0	0	9	-	1	-	-	-	-
ST ANDREWS ...			9 9	18	5.5	1.8	3.7	-	9.8	10	-4.5	31	4.0	6.2	142	237	27	24	24	21	5	3	0	2	0	2	9	18	0	0	0.46	-	-
LOTHIAN																																	
BUSH HOUSE ...			9 9	184	4.5	0.0	2.3	-	11.9	10																							



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1978

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	AMOUNT (MM)	DATE	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																						
6 SCOTLAND W																																	
STRATHCLYDE																																	
ACHAGLACHGACH ...		9 9	12	6.2	1.7	3.9	-	12.2	9	-3.3	17	-	-	161	86	23	2	19	15	1	1	0	0	0	10	15	-	2	-	-	-	-	
AROS ...		9 9	37	-	2.7	-	-	-	-	-4.0	31	-	-	107	17	18	3	18	16	0	0	0	2	8	11	-	1	-	-	-	-	-	
AUCHINCUIVE ...		9 9	45	5.7	1.1	3.4	-1.1	13.2	10	-6.6	31	4.9	7.1	167	72	13	8	17	14	5	0	0	0	14	22	-	1.33	110	-	-	-	-	
BENMORE (YOUNGER BOTANIC GARDEN)		9 9	12	5.5	1.6	3.5	-	11.7	11	-4.4	18	4.5	-	227	90	38	8	24	19	4	3	0	0	0	9	21	-	3	-	-	-	-	
BRODICK CASTLE ...		9 9	15	6.7	2.6	4.7	-	12.7	10	-3.8	31	5.4	-	165	82	23	8	17	16	5	1	0	0	0	8	11	-	0	-	-	-	-	
CAMPS RESERVOIR ...		9 9	295	3.6	-0.6	1.5	-	11.9	11	-8.0	20.21	-	-	136	110	31	7	23	20	10	6	0	0	0	2	17	-	7	-	-	-	-	
CARNWATH ...		9 9	208	3.8	-1.2	1.3	-	11.0	10	-9.5	18	3.8	-	57	72	9	8	22	15	9	5	0	0	0	17	25	24	4	-	-	-	-	
CARTBRIDGE ...		9 9	66	4.9	0.3	2.6	-	12.0	10	-5.5	31	-	-	89	106	11	28	22	19	-	-	-	-	-	-	-	-	-	-	-	-	-	
COLONSAY ...		9 9	35	6.6	3.2	4.9	-	11.8	10	-2.2	31	-	-	78	-	17	11	18	17	1	0	0	0	0	4	7	-	3	-	-	-	-	
CRAIGHOUSE ...		9 9	4	7.3	3.4	5.3	-	11.7	10	-3.6	14	-	-	109	-	22	11	19	17	1	0	0	0	0	4	7	-	14	-	-	-	-	
CRAWFORD JOHN ...		9 9	274	3.7	-0.9	1.4	-	11.0	10.11	-10.2	31	4.0	-	-	-	-	-	-	-	-	-	-	-	16	20	19	4	0.99	-	-	-	-	
CUMNOCK ...		9 9	99	5.0	-0.1	2.5	-	12.2	10	-10.0	31	4.1	-	84	-	12	27	20	16	7	1	0	0	0	15	19	-	0	0.85	-	-	-	
DUNSTAFFNAGE ...		9 9	3	7.0	2.9	4.9	-	13.1	11	-3.7	31	-	-	53	-	11	7	15	12	1	0	0	0	0	4	11	-	5	-	-	-	-	
EAST KILBRIDE ...		9 9	178	4.3	0.3	2.3	-	11.7	10	-6.3	31	-	-	95	-	10	8	23	19	5	5	0	0	0	14	23	-	0	0.83	-	-	-	
GIRVAN ...		9 9	8	6.4	1.7	4.1	-	13.3	11	-5.0	31	-	-	117	102	16	7	18	17	2	0	0	0	0	10	12	-	4	1.63	-	-	-	
GLASGOW																																	
ABBOTSLINCH AIRPORT ...		21-9	5	5.2	1.3	3.3	-0.9	13.0	10	-8.6	31	-	-	93	-	11	24	24	20	9	4	0	1	0	1	13	19	19	0	0.64	65	-	-
SPRINGBURN PARK ...		9 9	107	4.5	0.5	2.5	-1.0	11.8	10	-6.4	31	-	-	95	93	(10)	30	24	19	9	6	0	0	0	14	10	22	-	0	-	-	-	
WEATHER CENTRE (X)		21-9	40	5.5	2.8	4.1	-	12.9	10	-6.5	31	-	-	91	-	13	30	24	19	6	-	0	0	0	1	8	-	0	0.71	-	-	-	-
GREENOCK ...		9 9	61	-	-	-	-	-	-	-	-	-	-	134	77	23	7	20	19	-	-	-	-	-	-	-	-	-	-	-	-	-	
HELENSBURGH ...		9 9	96	4.6	0.8	2.7	-1.2	11.1	10	-5.7	31	-	-	152	96	21	8	24	19	-	6	-	-	-	-	-	-	-	-	-	-	-	
HUNTERSTON ...		9 9	8	6.3	2.3	4.3	-	12.5	10.11	-5.1	31	-	-	(142)	-	37	24	23	20	5	2	0	0	0	0	5	-	2	-	-	-	-	
KILDONAN ...		9 9	18	6.9	3.1	5.0	-	12.2	11	-3.0	31	-	-	102	-	16	8	21	16	1	-	0	0	0	0	5	10	11	1	1.15	-	-	-
KNAPDALE FOREST ...		9 9	12	5.8	1.1	3.5	-	12.6	10	-8.8	30	-	-	104	-	21	8	20	17	6	1	0	0	0	0	11	17	-	1	-	-	-	-
LEADHILLS ...		9 9	388	3.0	-1.2	0.9	-	10.5	11	-9.6	31	-	-	157	91	27	7	26	21	12	11	0	0	0	2	18	22	-	4	-	-	-	-
MACHRIHANISH ...		21-9	10	6.4	2.8	4.6	-	12.0	10	-5.9	31	-	-	180	138	25	8	20	16	7	0	0	0	0	6	14	11	11	1.18	-	-	-	-
MILLPORT ...		9 9	5	6.7	3.1	4.9	-	12.0	10.11	-1.0	30.31	-	-	124	103	22	24	21	19	6	-	0	0	0	0	2	-	4	-	-	-	-	-
PAISLEY ...		9 9	32	5.4	1.5	3.5	-1.0	13.0	10	-5.5	31	4.3	7.7	100	85	11	8.24	23	20	6	4	0	0	0	2	8	19	-	0	0.51	59	-	-
PRESTWICK ...		21-9	16	5.3	1.3	3.3	-	13.0	10	-9.0	31	-	-	65	71	14	8	18	16	8	0	0	2	0	14	18	18	2	1.41	-	-	-	-
RHUVAAL ...		21-9	20	6.9	4.1	5.5	-	12.0	10.11	-3.0	31	-	-	186	123	31	11	18	18	2	0	0	0	0	2	4	3	11	-	-	-	-	-
ROTHESAY ...		9 9	43	6.0	2.6	4.3	-	12.0	11	-4.5	31	4.9	6.9	125	85	18	8	20	17	2	2	0	0	0	0	3	-	0	-	-	-	-	-
SLOY ...		21-9	12	5.3	2.3	3.8	-	11.8	10	-6.4	31	-	-	205	-	48	7	25	18	5	-	0	0	0	0	9	-	0	-	-	-	-	-
STRONACHULLIN ...		9 9	2	6.9	2.2	4.5	-	12.1	10	-4.5	31	-	-	106	-	15	8	15	14	1	0	0	0	0	0	8	10	-	0	-	-	-	-
TIREE ...		21-9	9	7.1	4.5	5.8	-0.4	11.9	10	-5.8	31	-	-	113	87	40	11	20	18	4	0	0	2	0	0	4	9	9	9	1.07	114	-	-
UPLAMMOOR ...		9 9	128	4.4	0.1	2.3	-	11.6	10	-6.8	31	-	-	132	-	18	27	24	21	6	4	0	0	0	0	14	20	-	0	-	-	-	-
CENTRAL																																	
ARROCHMORE ...		9 9	30	-	-	-	-	-	-	-	-	-	-	167	-	18	24	24	23	5	3	0	0	0	0	-	18	-	0	0.51	-	-	-
CALLANDER ...		9 9	107	4.5	0.6	2.5	-	10.8	11	-6.6	31	-	-	153	91	17	2	24	22	6	7	0	0	0	0	12	17	-	0	-	-	-	-
EARLS HILL ...		21-9	335	2.6	-0.6	1.0	-	10.0	10	-8.3	31	-	-	152	-	20	24	26	19	8	-	0	0	0	12	14	21	21	2	0.51	-	-	-
FALKIRK ...		9 9	3	5.8	1.4	3.6	-	12.5	10	-5.1	31	-	-	108	-	22	27	22	19	4	4	0	0	0	2	10	-	0	0.52	-	-	-	-
GRANGEMOUTH ...		9 9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PARKHEAD ...		9 9	107	5.6	0.8	3.2	-	12.0	10.11	-5.5	31	3.9	-	114	-	14	24	22	19	-	4	-	-	-	0	10	-	-	-	-	-	-	-
STIRLING (BATTERFLATS)		9 9	38	5.1	0.7	2.9	-	11.7	10	-6.3	18	4.8	6.7																				



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL WIND DIR.	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	0-2 MM OR MORE ON ONE 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	ORLE	DAILY MEAN (HOURS)	PERCENTAGE OF 1941-70 AVERAGE	EXPOSURE		
				MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																						
2 ENGLAND E & NE -CONTINUED																																	
DURHAM	9	9	102	4.7	0.1	2.4	-1.3	12.1	10	-8.0	1	4.3	7.0	195	369	34	27	27	21	-	3	-	-	-	6	14	21	-	-	0.31	21	5	
DURHAM	9	9	155	3.8	-0.9	1.5	-	11.1	10	-8.1	20	3.8	7.0	203	-	38	27	25	21	11	5	0	1	0	7	18	23	20	0	-	-	-	
WOODYBANK FELL	9	9	513	2.3	-2.0	0.1	-	10.5	10	-9.4	31	2.9	-	244	-	23	7	25	22	-	15	-	-	15	24	26	-	-	0.56	-	-	-	
CLEVELAND	9	9	31	5.5	0.2	2.9	-	13.2	10	-8.4	1	-	-	124	276	26	8	24	18	4	4	0	0	0	7	13	20	-	1	0.30	-	-	
HARTBURN GRANGE	9	9	9	6.0	1.4	3.7	-1.0	13.5	10	-7.5	1	-	-	130	265	24	27	18	17	3	4	0	0	0	1	10	-	-	0.32	-	-	-	
HARTLEPOOL	9	9	9	6.0	1.4	3.7	-1.0	13.5	10	-7.5	1	-	-	130	265	24	27	18	17	3	4	0	0	0	1	10	-	-	0.32	-	-	-	
NORTH YORKSHIRE	9	9	33	5.1	0.1	2.6	-	12.5	10	-7.8	1	-	-	155	322	34	27	23	18	4	2	0	0	0	8	15	20	-	0	0.58	46	-	
ASKHAM BRYAN	9	9	6	5.1	0.3	2.7	-	12.8	10	-7.5	1	4.8	6.9	161	359	38	27	22	18	2	2	0	0	0	6	14	20	-	0	0.62	-	-	
CAMODD	9	9	175	4.5	0.5	2.5	-	11.7	10	-6.0	31	4.1	-	197	281	31	27	26	20	5	5	0	0	0	7	14	19	-	0	0.63	-	-	
HIGH MOUTHORPE	21	9	32	4.6	0.8	2.7	-	12.2	10	-8.7	1	3.9	7.3	125	227	22	27	23	19	6	2	0	0	0	7	15	18	16	0	0.59	-	-	
LEEMING	9	9	395	3.0	-1.1	0.9	-1.2	10.2	10	-7.8	31	-	-	183	125	31	27	21	20	10	10	0	0	0	11	19	24	-	0	-	-	-	
MALHAM TARN	9	9	44	5.2	0.4	2.8	-	12.9	10	-7.4	20	5.2	-	158	255	25	27	26	21	7	4	2	0	0	6	13	18	-	0	-	-	-	
PICKERING	9	9	52	6.4	2.0	4.2	-	12.6	11	-4.5	31	4.8	7.1	142	241	33	27	22	18	5	2	0	0	0	4	8	15	13	7	0.50	42	-	
SCARBOROUGH	9	9	203	5.1	0.7	2.9	-	11.8	10	-4.2	31	4.3	-	228	275	55	27	26	20	4	4	0	0	0	8	15	21	-	0	0.40	-	-	
SILPHO MOOR	9	9	290	3.8	-1.1	1.3	-	12.0	10	-9.0	20	3.8	-	201	-	32	27	23	19	9	6	0	0	0	11	20	24	-	0	0.51	-	5	
SNARZEHOLME	9	9	41	6.0	1.5	3.7	-	13.3	10	-5.2	1	-	-	135	-	31	27	23	17	5	2	0	3	0	0	11	14	-	1	0.74	-	-	
WHITBY	21	9	60	6.0	2.3	4.1	-	14.8	10	-6.6	31	-	-	109	-	25	24	23	15	4	2	0	0	0	1	10	12	6	-	-	-	-	
WHITBY(COASTGUARD)	9	9	19	5.5	0.5	3.0	-	12.7	10	-7.0	1	4.8	6.6	142	296	31	27	25	17	3	2	0	0	0	8	14	20	-	0	0.56	-	-	
YORK(HESLINGTON)	9	9	48	6.4	1.5	3.9	-	12.1	10	-4.9	31	-	-	155	238	25	27	22	18	5	2	0	3	1	-	11	16	-	12	0.54	-	-	
HUMBERSIDE	9	9	7	6.3	1.9	4.1	-0.4	12.9	10	-4.1	19	-	-	145	-	20	27	24	20	-	2	-	-	-	4	8	-	-	0.43	29	-	-	
BRIDLINGTON	9	9	2	6.4	1.8	4.1	-0.4	13.1	10	-5.0	1	4.6	7.8	160	296	29	27	24	20	4	4	0	0	0	2	8	14	-	0	0.87	76	-	-
CLEETHORPES	9	9	2	6.4	1.8	4.1	-0.4	13.1	10	-5.0	1	4.6	7.8	160	296	29	27	24	20	4	4	0	0	0	2	8	14	-	0	0.87	76	-	-
HULL	9	9	2	6.4	1.8	4.1	-0.4	13.1	10	-5.0	1	4.6	7.8	160	296	29	27	24	20	4	4	0	0	0	2	8	14	-	0	0.87	76	-	-
LINCOLNSHIRE	21	9	108	5.1	1.6	3.3	-	12.6	10	-5.8	1	-	-	170	279	24	27	26	21	11	4	0	2	0	9	12	16	14	0	0.76	-	-	-
BINBROOK	9	9	21	6.0	1.1	3.5	-	12.9	10	-8.2	1	-	-	166	-	22	27	25	19	-	-	-	-	-	-	-	-	-	-	-	-	-	
CAISTOR	9	9	62	5.6	0.5	3.1	-0.8	13.2	10	-7.6	1	4.0	6.1	146	325	20	28	23	21	4	3	0	2	0	8	15	17	16	0	1.25	74	-	-
CRANWELL	9	9	4	6.2	1.2	3.7	-	13.2	10	-9.6	1	5.7	8.2	113	-	18	27	23	20	6	4	0	0	0	7	9	15	-	0	1.00	-	-	-
KIRTON	9	9	6	5.8	0.9	3.3	-0.4	13.8	10	-9.1	1	5.6	7.1	159	-	22	27	24	20	7	1	0	0	0	6	15	19	-	0	0.94	-	5	-
LINCOLN	9	9	5	5.8	0.9	3.3	-0.4	13.8	10	-9.1	1	5.6	7.1	159	-	22	27	24	20	7	1	0	0	0	6	15	19	-	0	0.94	-	5	-
SKEGNESS	9	9	4	6.7	1.3	4.0	-	13.7	10	-9.8	1	-	-	92	193	17	27	22	19	3	-	0	0	0	-	8	(17)	-	0	-	-	-	-
SUTTON BRIDGE	21	9	68	5.4	1.4	3.4	-0.5	13.0	10	-8.9	1	-	-	163	340	22	27	25	20	8	3	0	0	0	13	12	15	13	0	1.00	66	-	-
WADDINGTON	9	9	68	5.4	1.4	3.4	-0.5	13.0	10	-8.9	1	-	-	163	340	22	27	25	20	8	3	0	0	0	13	12	15	13	0	1.00	66	-	-
3 EAST ANGLIA																																	
NORFOLK	21	9	17	6.9	2.6	4.7	-	13.2	10	-6.2	19	-	-	89	158	16	27	23	14	8	2	0	2	0	3	7	16	12	0	-	-	-	-
COLTISHALL	9	9	54	6.9	2.8	4.9	+0.2	12.8	10	-4.0	31	-	-	102	172	17	28	23	16	5	-	0	1	0	1	6	11	-	0	1.16	72	-	-
CROMER	9	9	2	7.5	3.6	5.5	+0.4	12.0	9.11	-2.3	31	6.2	8.7	61	109	12	27	14	10	3	-	0	0	0	1	1	-	3	0.93	58	-	-	
GORLESTON	9	9	23	6.7	1.3	4.0	-	13.5	10	-9.0	1	-	-	92	-	17	27	23	16	4	5	0	0	0	2	9	17	13	0	1.32	-	-	-
MARHAM	21	9	46	6.4	1.8	4.1	-	12.5	10	-4.4	19	5.1	-	90	-	15	27	20	16	3	1	0	0	0	2	10	16	-	0	1.23	-	-	-
MORLEY ST BOTOLPH	9	9	24	6.7	0.8	3.7	-	13.5	10	-10.0	1	5.5	7.5	95	168	14	27	22	16	-	4	0	0	0	-	2	12	23	-	0	0.95	-	-
SANTON DOWNHAM	9	9	27	6.8	1.8	4.3	-	12.8	10	-6.8	19	4.3	6.1	99	-	15	15	18	16	4	3	0	0	0	1	10	12	-	0	1.23	-	5	-
SCOLE	9	9	3	6.5	1.5	4.0	-0.2	13.5	10	-10.2	1	5.2	-	97	203	17	27	25	20	4	4	0	0	0	4	8	15	-	0	1.41	99	-	-
TERRINGTON ST CLEMENT	9	9	3	6.5	1.5	4.0	-0.2	13.5	10	-10.2	1	5.2	-	97	203	17	27	25	20	4	4	0	0	0	4	8	15	-	0	1.41	99	-	-
CAMBRIDGESHIRE	9	9	53	6.3	1.0	3.7	-	13.9	10	-9.6	1	-	-	117	255	17	7	21	18	4	2	0	0	0	7	13	14	-	0	1.20	-	-	-
BOXMOUTH	9	9	12	6.8	1.4	4.1	-0.1	14.1	10	-9.4	1	5.1	7.6	111	241	13	10	19	16	3	3	0	0	0	3	10	18	-	0	-	-	-	-
CAMBRIDGE	9	9	12	6.8	1.4	4.1	-0.1	14.1	10	-9.4	1	5.1	7.6	111	241	13	10																



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1978

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 8-8)	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	AMOUNT (MM)	DATE	PRECIP- ITATION	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	
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																						
4 MIDLAND COUNTIES																																
WEST YORKSHIRE																																
BRADFORD ...	9 9	134	4.5	-0.1	2.2	-1.7	12.3	10	-6.4	20	4.7	7.6	195	224	43	27	23	18	6	2	0	0	0	8	17	23	-	0	0.49	58	5	
BRAMHAM ...	9 9	54	4.9	-0.6	2.1	-	12.6	10	-11.7	31	-	-	177	327	46	27	25	18	7	2	0	0	0	9	16	21	-	0	-	-	-	
HUDDERSFIELD (OAKES)	21-9	232	3.8	0.2	2.0	-1.7	12.3	10	-8.8	31	3.1	5.6	196	196	45	28	23	19	11	8	0	0	0	10	16	19	18	0	-	-	-	
ILKLEY ...	9 9	83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PONTEFRAC T	9 9	78	5.1	0.5	2.8	-1.3	12.7	10	-6.9	1	-	-	147	341	37	27	24	18	8	2	0	1	0	8	13	-	-	-	-	-	-	
TOOMOROE	9 9	160	4.8	-0.1	2.3	-	13.0	10	-8.0	20	-	-	195	-	41	28	23	19	11	4	0	2	0	3	17	-	-	-	-	-	-	
WILSON ...	9 9	262	3.8	-0.8	1.5	-	13.2	10	-8.9	2	-	-	204	-	41	27	23	(19)	9	7	0	3	0	13	19	24	24	0	-	-	-	
SOUTH YORKSHIRE																																
FINNINGLEY	21-9	10	5.3	1.1	3.2	-	12.9	10	-7.9	1	-	-	171	398	29	27	22	20	8	3	0	0	0	4	14	18	16	0	0.94	-	-	
SHEFFIELD																																
DORE ...	9 9	206	4.6	0.1	2.3	-	13.0	10	-5.6	1.31	-	-	225	-	39	28	24	21	8	9	0	0	0	12	16	24	-	0	-	-	-	
WESTON PARK	9 9	131	5.0	0.8	2.9	-1.7	12.8	10	-5.9	1	4.0	7.1	208	281	33	27.28	23	22	8	6	0	0	0	-	14	15	-	0	0.80	70	5	
DERBYSHIRE																																
ASHOVER ...	9 9	178	4.8	0.3	2.5	-	13.0	10	-7.6	1	-	-	226	-	31	28	23	22	8	8	0	0	0	10	16	21	-	0	1.20	-	-	
BUXTON ...	9 9	307	3.9	-0.9	1.5	-1.4	12.5	10	-9.1	1	3.3	4.7	187	133	27	28	24	22	7	8	0	0	0	9	18	22	-	0	-	-	-	
DERBY ...	9 9	48	5.8	1.0	3.4	-	14.0	10	-8.1	1	-	-	147	249	23	27	22	20	6	2	0	0	0	4	14	19	-	0	0.76	-	5	
WINGERWORTH	9 9	116	4.7	-0.2	2.3	-	13.0	10	-9.7	1	4.9	-	209	-	35	28	22	21	10	7	0	0	0	12	16	24	-	0	0.99	-	-	
NOTTINGHAMSHIRE																																
MANSFIELD	9 9	114	5.2	0.5	2.9	-1.1	13.2	10	-9.3	1	-	-	194	-	25	27	23	21	6	4	0	0	0	5	15	19	-	0	-	-	-	
NEWTORPE	9 9	58	(6.2)	(0.6)	(3.4)	-	13.7	10	-7.5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NOTTINGHAM	9 9	59	6.4	0.3	3.3	-1.2	13.8	10	-9.0	1	5.6	5.0	152	317	21	27	(20)	(19)	5	4	0	0	0	9	20	25	-	0	0.90	80	-	
SUTTON BONINGTON	9 9	48	6.4	0.2	3.3	-0.8	14.4	10	-10.2	1	5.5	7.5	143	275	19	14	20	19	5	4	0	0	0	3	15	19	18	0	1.06	87	-	
WARSOP	9 9	46	5.3	0.4	2.9	-	13.3	10	-9.7	1	-	-	183	373	23	27	22	21	6	3	0	0	0	11	17	22	-	0	1.05	-	-	
WATNALL	21-9	117	5.2	1.1	3.1	-0.9	13.4	10	-8.3	1	-	-	177	285	26	27	23	19	8	5	0	4	0	11	11	21	15	0	0.83	67	-	
STAFFORDSHIRE																																
KEELE ...	9 9	179	5.1	0.2	2.7	-	13.1	10	-8.1	20	3.9	7.4	116	155	22	27	24	19	7	8	0	0	0	10	17	21	20	0	0.98	-	-	
OKEN ...	9 9	125	-	-	-	-	-	-	-	-	5.1	-	115	186	14	28	22	19	7	7	0	0	0	8	-	15	-	0	-	-	5	
PENKIRGE	9 9	101	6.2	0.2	3.2	-	14.0	10	-7.5	20	-	-	117	192	15	28	22	22	6	7	0	0	0	5	16	20	-	0	1.03	-	-	
STONE ...	9 9	107	5.0	-0.3	2.3	-	13.8	10	-8.2	20	-	-	124	185	19	27	22	19	10	7	0	0	0	8	16	23	-	0	0.84	-	-	
LEICESTERSHIRE																																
CALDECOTT	9 9	53	6.0	1.0	3.5	-	13.8	10	-10.6	1	-	-	123	256	13	7	22	18	5	1	0	0	0	8	13	17	-	0	1.33	-	-	
NEWTOWN LINCOLD	9 9	119	5.4	0.6	3.0	-	13.4	10	-8.6	1	-	-	157	276	22	28	23	20	7	6	0	1	0	7	16	14	-	0	1.14	-	-	
SALOP																																
HAMPTON LODGE	9 9	70	6.3	0.7	3.5	-	14.4	11	-8.0	1	-	-	120	-	16	13	21	16	-	-	-	-	-	15	-	-	-	0	1.05	-	-	
NEWPORT	9 9	64	5.7	0.6	3.1	-0.8	14.1	10	-6.0	1	-	-	101	177	16	27	21	20	7	5	0	0	0	5	14	21	-	0	1.11	89	5	
OSWESTRY	9 9	174	5.5	0.6	3.1	-1.2	13.5	10	-6.0	31	-	-	-	-	-	-	-	-	-	-	-	-	4	16	20	-	0	0.98	62	5		
PRESTON MONTFORD	9 9	67	6.2	0.7	3.5	-	-	-	-8.0	1	4.5	6.7	117	-	16	13	21	19	5	6	0	0	0	0	15	19	-	0	0.73	-	5	
SHAWBURY	21-9	72	5.9	1.4	3.7	-0.5	15.4	10	-7.4	1	-	-	99	165	15	27	21	18	8	4	0	0	0	7	15	20	19	0	0.93	67	-	
SHREWSBURY	9 9	56	6.0	0.8	3.4	-1.1	14.1	10	-6.4	1	5.2	7.5	97	177	11	13	20	19	7	4	0	0	0	5	14	21	-	0	1.00	67	-	
WEST MIDLANDS																																
BIRMINGHAM																																
EDGBASTON	21-9	163	5.5	2.1	3.8	-0.7	14.0	10	-5.7	31	6.0	-	160	226	21	13	23	21	8	7	0	1	0	9	14	15	14	0	1.28	95	-	
ELMDON AIRPORT	21-9	96	5.9	1.4	3.7	-0.4	14.5	10	-10.9	1	-	-	134	-	18	13	22	19	8	6	0	2	0	7	14	15	13	0	1.36	101	-	
KING EDWARD'S SCHOOL	9 9	137	6.1	0.5	3.3	-	13.0	10	-5.6	1	-	-	147	220	18	13	24	21	-	5	-	-	-	6	18	-	-	0	-	-	-	
COVENTRY AIRPORT	9 9	81	(6.1)	(0.8)	(3.5)	-	14.2	10	-6.2	1	(6.2)	(7.3)	123	-	17	13	22	17	2	-	0	0	0	-	14	-	-	0	-	-	-	
WARWICKSHIRE																																
LUDDINGTON	9 9	56	6.5	1.3	3.9	-	14.8	10	-7.1	1	-	-	91	-	15	13	21	18	6	4	0	0	0	5	13	17	-	0	1.04	-	-	
MORETON MORRELL	9 9	85	6.2	1.3	3.7	-	14.3	10	-6.3	1	-	-	105	195	14	13	22	19	4	4	0	0	0	4	14	16	-	0	1.08	-	-	
RUGBY	9 9	116	5.7	0.6	3.1	-0.8	13.5	10	-6.3	1	4.0	6.6	111	196	12	13	22	19	7	5	0	0	0	-	18	17	18	0	-	-	-	
SHIPSTON-ON-STOUR	9 9	111	6.5	1.6	4.1	0.0	14.5	10	-5.4	20	6.1	-	114	184	11	7	23	19	6	4	0	0	0	7	13	17	-	2	1.17	71	-	
STRATFORD-UPON-AVON	9 9	49	7.0	1.4	4.2	+0.2	14.9	10	-7.1	1	6.1	-	93	176	16	13	22	19	1	2	0	0	0	5	13	18	-	0	-	-	-	
WELLESBOURNE	9 9	47	6.4	1.5	3.9	-	14.5	10	-7.2	1	5.0	6.9	98	188	14	13	20	19	-	3	-	-	-									



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1978

DISTRICT REGION/COUNTY AND PLACE			MAX. TERMINAL NIGHT 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 AMOUNT (MM)	DATE	PRECIP- ITATION		SNOW OR SLEET	SNOW LYING AT 9H	HAIL	ICE PELLETS, ETC.	THUNDER HEARD	FOG AT 9H	AIR FROST	DRSS 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							0-2 MM OR MORE	1-0 MM OR MORE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
5 ENGLAND SE & CENTRAL S.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

DECEMBER 1978

DISTRICT REGION/COUNTY AND PLACE	MAX. TEMPERATURE 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	0.2 MM OR MORE	1.0 MM OR MORE	SNOW OR SLEET	SNOW LYING AT 9H	MAIL	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																						
7A ENGLAND NW & I.O.M.																																
CUMBRIA																																
CARLISLE ...	21-9	26	5.4	1.6	3.5	-	13.6	11	-8.0	31	4.7	7.1	79	105	17	27	21	15	8	2	0	0	0	0	12	19	13	0	1.23	-		
CARTMEL ...	9-9	35	5.8	0.3	3.1	-	13.4	10	-5.3	19	-	-	133	-	35	27	18	15	1	1	0	0	0	0	1	14	-	0	-	-		
GRIZEDALE ...	9-9	91	5.3	0.0	2.7	-	12.3	10	-6.0	20	4.8	-	164	77	27	27	20	11	6	3	0	0	0	0	1	16	22	1	0.48	-		
MOOR HOUSE ...	9-9	556	1.4	-2.5	-0.5	-	10.2	10	-11.0	20	2.7	-	284	129	24	7	24	22	15	18	0	0	0	0	14	25	26	1	0.48	-		
NEWTON RIGG ...	9-9	171	4.9	0.2	2.5	-0.9	12.9	11	-7.0	31	3.2	-	111	105	29	7	18	11	2	1	0	0	0	1	14	22	2	0	(1.01) (85)	-		
SELLAFIELD ...	9-9	13	6.9	2.3	4.6	-	13.7	11	-3.5	31	-	-	97	92	17	27	19	16	-	1	-	-	-	1	11	16	-	-	0.65	-		
LANCASHIRE																																
HAZELRIGG ...	9-9	95	5.9	1.2	3.5	-	14.1	11	-4.9	31	4.3	-	95	-	21	28	19	16	4	1	0	0	0	0	13	16	18	6	1.54	-		
HELSHORE ...	9-9	260	(4.4)	0.3	(2.3)	-	12.3	10.11	-6.3	31	4.5	-	173	108	25	27	20	11	4	3	0	0	0	0	3	16	23	-	0	1.14	-	
KIRKHAM ...	9-9	24	5.6	0.7	3.1	-	13.6	10.11	-7.0	20	-	-	121	133	31	27	17	16	4	1	0	0	0	0	2	12	19	-	0	1.12	S	
MORECAMBE ...	9-9	7	6.3	1.7	4.0	-0.7	14.6	11	-4.5	31	-	-	108	110	29	27	22	16	2	0	0	0	0	0	10	10	-	0	1.35	109	-	
PRESTON ...	9-9	33	6.0	1.0	3.5	-	14.1	10.11	-5.7	20	-	-	108	112	27	27	19	16	5	1	0	0	0	0	0	13	16	-	0	-	-	
SLAIDBURN ...	9-9	192	4.6	-0.2	2.2	-	12.7	10	-10.0	31	-	-	150	88	35	27	21	17	8	0	0	0	0	0	19	21	-	0	1.00	-		
SQUIRES GATE AIRPORT	21-9	10	5.7	1.4	3.5	-1.3	13.9	10	-8.6	20	-	-	118	143	25	27	17	16	8	1	0	0	0	0	3	12	18	18	0	1.32	95	-
STONYHURST ...	9-9	115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MERSEYSIDE																																
ALBURNTH ...	9-9	12	6.0	1.5	3.7	-	13.8	10	-6.3	20	-	-	118	-	30	27	21	17	6	1	0	0	0	0	6	10	18	17	0	0.89	-	
BIDSTON ...	9-9	60	5.7	1.7	3.7	-	13.9	10	-6.6	20	-	-	112	-	27	27	18	17	5	1	0	0	0	0	3	12	15	-	0	1.24	-	
ST HELENS ...	9-9	76	5.5	0.8	3.1	-	13.5	10	-7.6	20	3.8	-	136	-	33	27	21	17	4	2	0	0	0	-	14	-	-	0	0.69	-	S	
SOUTHPORT ...	9-9	5	5.8	0.9	3.3	-1.3	14.0	10	-8.3	20	4.1	9.1	117	150	27	27	21	16	-	-	-	-	-	-	12	16	-	-	1.19	88	-	
WEST KIRBY PARK ...	9-9	7	-	-	-	-	-	-	-	-	-	-	97	141	20	27	18	18	-	0	-	-	-	-	-	-	-	-	-	-	-	
GREATER MANCHESTER																																
BOLTON ...	9-9	107	5.4	0.6	3.0	-	13.4	10	-5.2	19	5.0	6.9	160	-	34	28	20	16	3	3	0	0	0	0	2	14	19	-	0	0.96	110	-
MANCHESTER ...	21-9	75	6.0	2.0	4.0	-0.3	14.5	10	-8.0	20	-	-	118	154	27	28	20	14	6	2	0	1	0	4	10	16	15	0	1.26	104	-	
WEATHER CENTRE (X)	21-9	69	6.5	2.8	4.7	-	14.6	10	-5.6	31	-	-	143	-	40	28	18	12	7	-	0	0	0	3	8	-	-	0	1.02	-	-	
CHESHIRE																																
KNUTSFORD ...	9-9	65	6.0	0.6	3.3	-	14.0	10	-7.0	20	4.5	6.4	118	149	26	27	19	17	5	2	0	0	0	-	14	19	-	0	-	-	-	
MACCLESFIELD ...	9-9	152	5.5	0.9	3.2	-0.6	13.4	10	-6.3	20	-	-	104	116	20	27	20	17	6	3	0	0	0	0	1	15	-	0	-	-	-	
NESS GARDENS ...	9-9	30	6.1	0.6	3.3	-	14.1	10	-8.3	20	4.6	-	116	174	26	27	22	17	5	4	0	0	0	1	16	22	-	0	1.06	-	S	
ISLE OF MAN																																
DOUGLAS ...	9-9	85	6.9	3.5	5.2	-0.7	11.9	10	-3.0	31	-	-	250	200	84	28	18	17	3	0	0	0	0	0	2	10	-	2	1.32	86	-	
POINT OF AYRE ...	21-9	9	7.0	3.7	5.3	-1.2	12.6	10	-2.7	31	-	-	164	193	34	27	18	15	3	0	0	0	0	0	3	-	7	1.18	81	-		
RONALDSWAY AIRPORT	21-9	16	7.2	4.0	5.6	-0.9	12.6	10	-3.2	31	-	-	213	225	52	28	22	19	8	0	0	2	1	0	5	8	6	3	1.44	97	-	
7B WALES N																																
GWYNEDD																																
BALA ...	9-9	163	5.9	0.1	3.0	-	14.9	10	-9.0	20	4.7	7.1	183	123	24	12	22	20	5	6	0	0	1	3	16	18	18	2	0.73	-	-	
BARDSEY ISLAND ...	21-9	15	8.4	5.3	6.9	-	12.6	10	-2.4	31	-	-	165	169	21	2	20	18	0	0	0	2	2	0	1	3	4	7	-	-	-	
BETHS-Y-COED ...	9-9	20	-	0.9	-	-	-	-	-7.9	20	4.5	-	195	-	24	28	23	22	1	2	0	0	0	0	14	19	-	0	-	-	-	
BOTHMNOG ...	9-9	34	8.1	3.7	5.9	-	13.0	11	-2.8	31	5.8	9.1	147	121	17	13	19	17	0	0	1	0	2	0	7	10	-	2	1.56	-	-	
CWYSTRADOLLYN ...	9-9	204	7.0	2.6	4.8	-	14.0	10	-2.5	19	-	-	221	-	37	27	21	18	-	-	-	-	-	-	8	-	-	-	1.25	-	-	
LLYN ALAW ...	9-9	44	7.8	2.9	5.3	-	15.0	11	-4.0	31	-	-	151	-	19	27	19	18	-	-	-	-	-	-	8	-	-	-	1.46	-	-	
PEN-Y-FFRIDD ...	9-9	84	7.9	2.8	5.3	-	16.1	11	-3.0	31	-	-	112	95	11	28	20	20	1	0	0	0	1	0	9	17	-	1	1.16	-	S	
TRANSFYNYDD ...	9-9	193	(6.5) (1.4)	(3.9)	-	-	14.0	10	-4.5	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	
VALLEY ...	21-9	10	8.2	4.0	6.1	-0.4	15.3	11	-4.4	20	-	-	131	140	21	27	19	18	4	0	0	2	1	0	8	11	10	5	1.76	110	-	
CLWYD																																
ALMEN ...	9-9	335	4.4	-1.2	1.6	-	10.6	11	-10.0	20	-	-	172	121	22	27	22	21	4	10	0	0	0	0	4	18	23	-	0	-	-	
BWLCHGWYN ...	9-9	386	3.8	-0.8	1.5	-	11.5	10	-6.5	10,20,31	4.2	-	220	200	24	23	23	20	10	13	0	0	0	11	18	23	-	0	-	-	-	
COLWYN BAY ...	9-9	18	6.8	2.4	4.6	-	14.7	10	-3.6	20	5.9	-	113	133	16	27	24	17	1	0	0	0	1	0	9	-	-	0	1.67	127	-	
CORMEN ...	9-9	144	6.0	-0.7	2.7	-	14.5	10	-10.1	21	5.1	-	200	169	22	12	23	22	8	8	2	0	1	4	16	21	-	0	-	-	-	
HAWARDEN BRIDGE ...	9-9	5	6.2	0.8	3.5	-1.4	13.9	10	-6.2	20	-	-	122	185	25	27	22	18	6	6	0	0	0	1	12	-	-	0	-	-	-	
LOGGERHEADS ...	9-9	210	5.2	-0.6	2.3	-	14.1	10	-9.5	23	4.8	6.5	149	173	19	27	20	19	8	12	0	0	0	5	20	24	-	0	0.82	-	S	
PRESTATYN ...	9-9	4	7.1	2.1	4.6	-1.3	15.6	10	-5.7	20	-	-	98	151	16	27	20	17	3	0	0	0	0	0	11	-	-	0	1.56	120	-	
RUTHIN ...	9-9	76	6.6	0.6	3.6	-	15.4	10	-7.6	20	-	-	99	131	13	28	21	20	6	7	0	0	0	0	15	-	-	0	1.37	-	-	
POWYS(NORTH)																																
HOPE ...	9-9	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LAKE VYRNNY ...	9-9	303	4.4	0.1	2.3	-1.2	12.8	10	-7.8	20	3.6	-	254	-	133	29	24	20	10	10	4	0	0	0	10	16	22	-	6	-	-	
LLANFAIR CAEREINION ...	9-9	236	5.3	0.8	3.1	-	14.0	10	-6.0	31	5.4	-	177	-	19	13,26	24	21	6	8	0	0	0	1	15	19	-	2	-	-	-	
MOEL CYNNEDD ...	9-9	358	4.7	-0.5	2.1	-	12.6	10	-10.3	20	4.6	-	281	-	49	13	24	23	8	8	1	0	0	0	-	17	19	-	2	-	-	-
7B WALES S																																
DYFED																																
ABERPORTH ...	21-9	134	7.4	3.8	5.6	-0.3	14.0	10	-3.5	31	-	-	140	137	16	12	20	20	6	0	1	0	1	0	6	12	7	1.76	107	-	-	
ABERYSTWYTH ...	9-9	4	-	-	-	-	-	-	-	-	-	-	93	90	19	13	16	15	0	0	0	0	0	0	-	-	10	0	-	-	-	
BRAWDY ...	21-9	111	7.6	4.1	5.9	-	13.0	9,10	-5.0	31	-	-	192	-	32	1	22	19	5	1	2	0	4	0	8	10	10	2	1.98	-	-	
BRYNHAMAN ...	21-9	183	7.2	2.9	5.1	-	13.8	10	-6.4																							



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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DISTRICT REGION/COUNTY AND PLACE		MAX. TERMINAL HEIGHT 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 AMOUNT (MM)	DATE	PRECIP- ITATION 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			
				MAX. (A)	MIN. (B)			MAX.	DATE	MIN.																				DATE		
8A WALES S CONTINUED																																
WEST GLAMORGAN		21-9	36	8.2	4.8	6.5	-	13.2	11	-3.9	31	-	-	-	-	-	-	-	5	1	0	0	2	0	2	5	11	-	-			
MUMBLES HEAD		9 9	62	8.1	3.8	5.9	-	14.0	9.10	-3.5	31	-	-	194	136	35	12	19	18	3	1	2	1	1	0	8	10	10	9	1.52	-	
NEATH		9 9	87	8.1	3.7	5.9	-	13.2	11	-3.8	31	6.7	8.3	203	155	25	13	21	19	5	2	1	2	2	0	7	10	10	9	1.52	-	
PORT TALBOT		9 9	5	8.8	3.9	6.3	-	14.5	9	-5.2	18	-	-	159	128	20	13	21	18	4	1	0	0	1	0	7	10	10	9	1.60	-	
SWANSEA		9 9	10	8.4	3.9	6.1	-0.2	13.0	9.11	-2.2	31	6.1	8.7	189	147	34	12	20	18	1	0	0	0	1	0	5	9	1	1	-	5	
WHITEFORD BURROWS		9 9	5	9.0	4.0	6.5	-	14.5	9.10	-5.8	20	-	-	239	-	37	1	23	20	3	1	0	0	1	0	8	10	10	9	-	-	
MID GLAMORGAN		9 9	174	7.0	2.0	4.5	-	14.1	9.10	-4.9	20	-	-	324	-	49	12	22	19	5	0	0	0	0	-	11	19	-	0	0.45	-	
ABERDARE FILTER STATION		21-9	194	6.3	-	-	-	13.4	10	-	-	-	-	295	-	36	12	23	21	5	5	0	0	0	0	-	-	-	0	-	-	
CILFYNYDD		9 9	241	6.3	1.4	3.9	-	13.2	9	-5.1	31	-	-	299	147	43	12	24	22	4	4	0	0	0	4	13	-	-	0	1.23	-	
LLWYNNON		9 9	6	8.7	3.8	6.3	-	13.6	10	-4.0	31	-	-	153	138	20	12	19	17	2	2	0	0	0	0	7	-	2	1.70	-	-	
PORTHCAWL		9 9	6	8.7	3.8	6.3	-	13.6	10	-4.0	31	-	-	153	138	20	12	19	17	2	2	0	0	0	0	7	-	2	1.70	-	-	
SOUTH GLAMORGAN		9 9	40	8.2	2.9	5.5	-	14.5	10	-4.8	18	6.8	9.5	184	-	32	13	24	19	5	2	0	2	1	5	9	17	-	0	-	-	
BRIDGEND		9 9	9	8.2	3.4	5.8	-	13.9	11	-3.2	18	6.1	8.4	221	-	27	12	27	22	4	3	0	0	0	0	6	16	-	0	1.17	-	
CARDIFF (BUTE PARK)		21-9	67	7.4	3.7	5.5	-	14.2	10	-4.9	31	-	-	159	-	21	14	22	19	5	2	3	2	0	1	8	11	9	1	1.55	-	
RHOSE AIRPORT		9 9	40	8.2	2.9	5.5	-	14.5	10	-4.8	18	6.8	9.5	184	-	32	13	24	19	5	2	0	2	1	5	9	17	-	0	-	-	
GWENT		9 9	9	8.2	3.4	5.8	-	13.9	11	-3.2	18	6.1	8.4	221	-	27	12	27	22	4	3	0	0	0	0	6	16	-	0	1.17	-	
CRUMLAND		21-9	67	7.4	3.7	5.5	-	14.2	10	-4.9	31	-	-	159	-	21	14	22	19	5	2	3	2	0	1	8	11	9	1	1.55	-	
USK		9 9	245	5.8	1.4	3.6	-	12.8	10	-6.0	31	5.3	6.8	205	192	33	12	24	23	5	7	0	0	0	16	14	17	-	3	1.05	-	
ENGLAND SW		9 9	21	7.7	-	-	-	14.3	10	-	-	6.4	-	211	192	33	12	20	18	2	0	0	0	0	-	-	18	-	0	0.67	47	-
8B ENGLAND SW																																
AVON		9 9	118	7.3	2.4	4.9	-	14.1	9	-5.6	31	6.5	-	121	156	14	12	20	18	5	4	-	-	-	-	-	-	-	-	-	-	
BATH		21-9	59	6.8	3.0	4.9	-0.2	14.6	10	-5.1	5	-	-	125	159	18	12	23	20	5	4	2	1	0	2	11	15	11	0	1.21	84	-
FILTON		9 9	51	7.8	2.5	5.1	-0.1	14.8	10	-4.8	31	5.9	-	122	143	17	12	22	21	5	3	0	2	1	3	12	15	-	2	1.04	66	-
LONG ASHTON		9 9	51	7.8	2.5	5.1	-0.1	14.8	10	-4.8	31	5.9	-	122	143	17	12	22	21	5	3	0	2	1	3	12	15	-	2	1.04	66	-
SOMERSET		9 9	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CANNINGTON		9 9	101	7.9	2.9	5.4	-	14.3	10	-5.5	31	5.7	-	189	-	27	23	21	20	3	5	0	0	0	-	9	-	-	0	-	-	
CREWKERNE		9 9	183	6.9	1.8	4.3	-	13.4	10	-6.2	31	-	-	187	166	21	13	24	20	5	-	0	0	0	4	10	-	-	0	-	-	
DOWNSIDE ABBEY		21-9	329	5.9	2.2	4.1	-	12.7	10	-7.1	31	-	-	273	-	41	30	25	21	9	5	4	0	0	5	10	15	15	0	-	-	
EXTON		9 9	314	-	2.2	-	-	-	-	-6.5	31	-	-	216	117	32	12	24	21	3	3	0	1	0	-	11	14	-	1	1.20	-	
HAWKRIIDGE		9 9	96	8.2	2.5	5.3	-	15.1	9.10	-5.6	31	7.0	-	205	-	30	12	24	20	3	2	0	0	0	3	10	12	-	0	-	-	
NETTLECOMBE		9 9	280	6.7	2.2	4.5	-	14.1	10	-6.6	31	-	-	210	-	27	12	23	20	4	3	0	1	0	-	10	12	-	0	-	-	
NETTLECOMBE (BIRDS HILL)		9 9	40	8.1	2.5	5.3	-	14.2	10	-7.6	19	7.0	8.8	92	101	12	13	22	20	3	2	0	0	3	3	9	16	-	2	-	-	
RODNEY STONE		9 9	113	7.8	1.9	4.9	-	13.9	9	-6.2	19	-	-	156	161	18	23	23	22	6	4	0	0	0	5	11	11	-	5	1.36	-	
WINCANTON		21-9	18	8.0	2.9	5.5	-	16.0	10	-6.7	19	-	-	129	167	17	23	21	18	5	2	1	2	2	2	12	12	11	1	-	-	
YEOWITON		9 9	10	8.0	2.9	5.5	-	16.0	10	-6.7	19	-	-	129	167	17	23	21	18	5	2	1	2	2	2	12	12	11	1	-	-	
DORSET		9 9	10	8.1	3.7	5.9	-	13.6	9.10	-5.6	19	-	-	208	245	25	10	22	21	4	1	1	0	1	1	12	11	11	0	0.91	-	
BOURNEMOUTH		9 9	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HURN AIRPORT		21-9	10	8.1	3.7	5.9	-	13.6	9.10	-5.6	19	-	-	208	245	25	10	22	21	4	1	1	0	1	1	12	11	11	0	0.91	-	
MEYRICK PARK		9 9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHRISTCHURCH		9 9	3	8.8	3.9	6.3	-	13.5	11	-4.1	19	-	-	197	238	27	10	21	20	4	1	2	0	1	2	10	11	-	0	-	-	
POOLE		9 9	5	8.8	3.5	6.1	+0.8	14.0	10	-4.9	31	7.3	9.6	185	226	21	23	22	22	3	1	0	0	0	4	8	14	-	0	1.00	54	-
PORTLAND BILL		21-9	53	8.8	5.4	7.1	-0.4	14.0	10.11	-4.4	31	-	-	137	-	18	23	24	20	3	1	1	3	2	2	4	7	6	10	1.20	-	
(COASTGUARD)		9 9	11	9.3	4.8	7.1	+0.8	13.6	11	-2.7	31	-	10.3	176	198	25	10	22	21	4	1	1	0	2	1	5	8	-	4	0.93	52	-
SWANAGE		9 9	23	-	-	-	-	-	-	-	-	-	-	137	-	20	23	22	16	2	-	0	0	0	-	-	-	-	0	-	-	
WEYMOUTH		9 9	26	9.0	3.6	6.3	-	14.7	11	-5.4	19	-	-	225	232	34	23	22	20	4	1	0	0	2	1	10	13	-	2	-	-	



TABLE 3 SUMMARY OF DAILY OBSERVATIONS

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DISTRICT REGION/COUNTY AND PLACE	MAX. TERMINAL H(IGHT) 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	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		
			MAX. (A)	MIN. (B)			MAX.	DATE	MIN.	DATE																							
NORTHERN IRELAND																																	
LONDONDERRY																																	
AGHANLOO	9 9	18	7.1	2.4	4.7	-	13.2	11	-3.0	31	-	-	146	-	47	27	19	16	2	0	0	0	0	0	4	13	-	-	5	-	-	-	
BANAGHER (CAUGH HILL)	9 9	216	5.4	0.9	3.1	-	11.8	11	-5.8	31	-	-	277	-	46	27	26	21	5	5	0	0	0	0	2	10	17	-	-	6	1.21	-	-
CARMONEY	9 9	73	6.4	2.2	4.3	-	13.0	10	-5.4	31	-	-	98	-	20	27	21	18	0	0	0	0	0	1	3	15	-	-	0	1.52	-	-	
COLERAINE UNIVERSITY	9 9	23	6.6	1.2	3.9	-	13.8	10	-5.1	24	5.5	8.3	120	-	15	1	21	18	0	0	0	0	2	9	19	-	-	-	0	1.24	111	-	
COOLKEERAGH	9 9	3	7.2	2.2	4.7	-	14.0	10	-2.5	28.31	-	-	85	-	10	4	19	16	6	2	2	0	0	5	-	-	-	-	-	-	-	-	
DERRYNOYD FOREST	9 9	88	5.9	0.8	3.3	-	12.2	10	-6.0	31	-	-	230	170	43	1	24	20	2	1	0	0	0	12	21	-	-	-	1	-	-	-	
GARVAGH FOREST	9 9	88	5.7	0.5	3.1	-	11.8	10	-6.0	31	-	-	163	126	31	1	24	18	2	2	0	0	0	1	14	24	-	-	-	0	-	-	
LOUGHMORE FOREST	9 9	174	5.6	0.7	3.1	-	11.9	10	-5.7	31	-	-	138	108	20	1	26	21	8	3	0	0	0	4	11	18	-	-	-	9	-	-	
MONEYDIG	9 9	34	6.4	1.0	3.7	-0.8	12.5	10	-5.4	23	6.0	-	141	127	24	1	23	18	6	1	0	0	0	1	10	17	14	3	-	-	-	-	
TRAID POINT	9 9	16	6.5	2.1	4.3	-	11.0	9	-3.8	23	-	-	128	-	22	1.7	25	14	0	0	0	0	-	9	-	-	-	-	-	-	-	-	
ANTRIM																																	
ALDERGROVE AIRPORT	21-9	68	6.4	2.4	4.4	-0.2	13.5	10	-4.0	31	5.4	8.7	195	212	29	27	22	19	6	0	0	1	0	7	12	11	0	-	0	1.75	156	-	-
ALTNAMINCH	9 9	213	5.3	1.3	3.3	-	12.0	10	-4.5	31	-	-	226	141	47	27	20	19	5	3	0	0	0	8	16	-	-	-	3	1.22	-	-	
BALLYLUMFORD	9 9	24	7.2	3.1	5.1	-	12.2	10	-3.0	31	-	-	245	-	33	27	17	17	0	0	0	0	0	3	13	-	-	-	0	-	-	-	
BALLYPATRICK FOREST	9 9	152	6.1	1.6	3.9	-	12.4	10	-4.2	31	-	-	300	227	56	27	19	19	0	0	0	0	0	7	12	-	-	-	5	1.24	-	-	
CARNLOUGH	9 9	12	7.7	1.6	4.7	-	13.6	10	-3.7	18	-	-	217	-	41	27	19	18	0	0	0	0	0	11	-	-	-	-	-	-	-	-	
DIVIS MOUNTAIN	9 9	363	4.5	-0.2	2.1	-	10.1	9	-5.2	18	-	-	215	173	38	11	19	19	3	0	0	0	0	14	-	-	-	-	0	-	-	-	
GREENMOUNT	9 9	38	6.8	1.8	4.3	-	13.8	10	-5.1	18	5.7	-	199	221	33	27	19	17	2	1	1	0	0	10	13	-	-	-	-	-	-	-	
HYDE PARK (MALLUSK)	9 9	140	6.1	1.5	3.8	-	11.2	10	-5.0	31	-	-	244	-	40	28	24	18	5	0	0	0	5	6	18	-	-	-	1	-	-	-	
KILROOT POWER STATION	9 9	12	7.4	2.8	5.1	-	12.5	10	-3.6	18	-	-	217	-	26	28	20	17	0	0	0	1	0	3	13	-	-	-	-	1.09	-	-	
LISNAFILLAN	9 9	38	6.9	0.5	3.7	-	13.0	10	-5.5	21	-	-	157	150	26	11	22	18	3	2	0	0	0	0	12	21	-	-	-	1	1.40	-	-
LOWTOWN	9 9	271	5.1	1.2	3.1	-	11.0	10	-5.5	31	4.8	-	322	225	73	27	21	19	6	3	0	0	0	11	8	23	-	-	-	4	0.89	-	-
PARKMORE FOREST	9 9	235	5.3	1.2	3.3	-	11.7	10	-4.3	31	5.2	-	302	176	95	27	21	18	6	0	0	0	0	10	19	-	-	-	7	-	-	-	
WOODBURN NORTH	9 9	217	5.2	1.3	3.3	-	11.0	10	-4.5	31	-	-	256	215	41	27	21	18	2	3	0	0	0	4	9	18	-	-	-	0	-	-	-
BELFAST																																	
ANDERSONSTOWN	9 9	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MALONE	9 9	35	7.0	1.9	4.5	-	12.8	10	-4.2	20	6.5	-	247	-	34	11	18	17	-	-	-	-	-	10	22	-	-	-	-	1.55	-	-	
MILLTOWN	9 9	37	6.9	2.2	4.5	-	12.7	10	-3.4	31	-	-	285	-	43	28	21	18	4	1	1	2	1	0	10	15	-	-	7	-	-	-	
NEWTOWNABBEY	9 9	32	7.0	3.4	5.2	-	12.8	10	-1.9	31	5.9	-	217	205	29	11	20	17	2	0	2	0	1	1	2	12	11	2	1.21	-	5	-	
ROSEBANK	9 9	47	6.9	2.1	4.5	-	12.5	10	-3.5	31	-	-	253	-	33	28	21	19	2	0	0	0	0	6	-	-	-	-	-	-	-	-	
ROSETTA	9 9	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
STORMONT CASTLE	9 9	56	6.6	2.2	4.4	-	12.0	10	-4.3	31	5.5	7.8	273	284	45	28	22	19	1	2	0	0	0	0	4	16	-	-	0	1.37	-	-	-
DOWN																																	
BANGOR SEACOURT	9 9	15	7.3	3.9	5.6	-	12.8	10	-0.9	31	6.2	8.8	231	-	37	1	18	16	3	0	1	1	0	0	1	11	8	3	1.12	-	-	-	
BALLYWALTER PARK	-	11	-	-	-	-	-	-	-	-	-	-	181	216	22	27	21	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BALLYWATICOCK	9 9	6	7.0	2.4	4.7	-	11.3	10	-4.3	18	5.0	7.4	214	271	31	7	20	17	3	1	0	1	0	0	4	15	13	0	1.42	-	-	-	
DOWNPATRICK	9 9	26	8.1	3.3	5.7	-	12.2	10	-2.6	31	-	-	269	-	51	27	20	18	-	-	-	-	-	1	5	12	-	-	-	-	-	-	
HELENS BAY	9 9	43	6.8	3.1	4.9	-	12.4	10	-2.1	31	-	-	227	264	32	1	20	17	3	0	0	0	0	0	3	15	-	-	6	1.27	-	-	
HILLSBOROUGH	9 9	116	6.3	2.1	4.2	-0.5	12.6	10	-5.0	31	6.1	-	268	301	42	27	22	18	3	2	0	0	0	0	7	17	-	-	4	1.51	124	-	
MAGHERALLY	9 9	97	6.2	0.5	3.3	-	12.2	10	-6.5	18	-	-	202	-	33	28	20	18	7	2	-	-	-	11	20	-	-	-	-	-	-	-	
MURLOUGH	9 9	9	7.5	2.1	4.8	-	12.0	9	-4.8	21	5.9	7.4	298	-	59	27	22	18	1	1	0	1	0	0	7	15	-	-	5	1.21	-	-	
NEWRY	9 9	1	7.5	2.0	4.7	-	13.3	10	-5.3	19	-	-	243	-	65	28	10	10	0	0	0	0	0	6	15	-	-	-	1	-	-	-	
SILENT VALLEY	9 9	129	6.8	2.5	4.7	-	11.5	11	-4.1	31	-	-	462	-	118	28	21	19	5	2	0	0	0	3	7	17	-	-	-	1.19	-	-	-
ARMAGH																																	
ARMAGH	9 9	62	6.3	2.0	4.1	-0.8	13.0	10	-4.9	31	5.5	8.0	166	191	39	1	22	17	5	1	0	0	0	1	9	18	-	-	6	1.38	117	-	
LOUGHGALL	9 9	25	6.9	1.4	4.1	-	13.4	10	-5.6	20	-	-	139	171	27	1	21	15	3	1	0	0	0	2	10	22	-	-	0	1.56	-	-	
LURGAN	9 9	55	7.0	2.0	4.5	-	13.2	10	-4.8	18	5.4	8.1	167	202	28	7	21	17	3	-	0	0	0	-	9	17	-	-	0	1.47	-	-	
TANDRAGEE	9 9	43	7.4	1.4	4.4	-	13.8	10	-6.0	31	-	-	154	-	28	1	19	16	2	-	0	0	0	-	10	-	-	-	1	-	-	-	
TYRONE																																	
ALTAVEEDAN	9 9	175	6.0	1.4	3.7	-	12.5	9	-5.5	31	-	-	218	-	39	26	21	20	-	-	-	-	-	10	21	-	-	-	-	-	-	-	
CARRIGANS	21-9	113	6.2	2.4	4.3	-	12.3	10	-6.3	31	-	-	140	115	36	1	25	19	7	2	0	0	0	0	8	14	7	1	1.34	-	-	-	
COOKSTOWN	9 9	77	6.1	1.4	3.7	-	12.5	10	-4.0	31	5.1	-	140	131	28	1	22	19	1	1	0	0	0	0	7	14	-	-	0	1.16	-	-	
LOUGH BRADAN	9 9	169	5.5	-0.8	2.3	-	11.9	10	-8.5	31	-	-	136	90	24	1	22	20	-	0	-	-	-	0	19	23	-	-	-	1.27	-	5	
POMEROY FOREST	9 9	174	5.4	1.3	3.3	-	11.7	10.11	-5.7	31	5.1	-	186	150	41	1	23	19	1	2	0	0	0	5	7	17	-	-	0	-	-	-	
STRABANE CONVENT	9 9	44	-	-	-	-	-	-	-	-	-	-	116	113	31	1	23	18	3	1	0	0	0	0	-	-	-						



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

DECEMBER 1978

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 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE								N	NE	E	SE	S	SW	W	NW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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FAIR ISLE	61	9	1007.4	-	4.5	0.9	7.3	85	7.2	0	1	0	14	15	1	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0	0	0	0	0	0	0	0	0	0	0	0



TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

DECEMBER 1978

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 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE						N	NE	E	SE	S	SW	W	NW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

DECEMBER 1978

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 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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TABLE 4 SUMMARY OF OBSERVATIONS AT FIXED HOURS

DECEMBER 1978

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 1991-70 AVERAGE	DRY BULB (DEGREES C)	DEPRESSION OF MET BULB (DEGREES C)	VAPOUR PRESSURE (MB)	RELATIVE HUMIDITY (%)	OKTAS							0 - 39 M	40 - 190 M	200 - 390 M	400 - 990 M	1000 - 1900 M	2000 - 3900 M	4 - 9 KM	10 - 19 KM	20 - 39 KM	40 KM AND OVER	BEAUFORT FORCE					N	NE	E	SE	S	SW	W	NW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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TABLE 5 NUMBER OF DAYS WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS

DECEMBER 1978

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	
LERNICK (PSYCHROMETER)	3	15	13	0	0	0	0	0	0	0	0	0	5	22	4	0	0	CAMBRIDGE BOTANIC GARDENS	1	9	13	8	0	0	0	0	0	0	3	7	13	8	0	0
LERNICK (SCREEN)	3	15	13	0	0	0	0	0	0	0	0	0	5	22	4	0	0	EDGBASTON	2	12	11	6	0	0	0	0	0	0	0	12	11	8	0	0
STORNOWAY	1	5	22	3	0	0	0	0	0	0	0	0	3	14	14	0	0	KEN (PSYCHROMETER)	1	9	11	10	0	0	0	0	0	0	2	7	10	12	0	0
CRAIBSTONE	3	12	16	0	0	0	0	0	0	0	0	0	1	6	21	3	0	KEN (NORTH-WALL SCREEN)	1	9	11	10	0	0	0	0	0	0	1	4	13	12	1	0
ROTHESAY	2	8	19	2	0	0	0	0	0	0	0	0	5	22	4	0	0	HASTINGS	1	5	11	14	0	0	0	0	0	0	0	6	12	11	2	0
ABBOTSINCH	3	11	15	2	0	0	0	0	0	0	0	0	5	6	15	5	0	SOUTHAMPTON	1	5	10	15	0	0	0	0	0	0	0	8	8	12	3	0
ESKDALEMUIR (PSYCHROMETER)	3	20	6	2	0	0	0	0	0	0	0	0	4	10	14	3	0	STONYHURST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ESKDALEMUIR (SCREEN)	3	19	7	2	0	0	0	0	0	0	0	0	4	9	15	3	0	VALLEY	1	6	15	8	1	0	0	0	0	0	0	7	8	15	1	0
DOUGLAS	1	8	18	4	0	0	0	0	0	0	0	0	2	23	6	0	0	RHOOSE	1	8	12	10	0	0	0	0	0	0	0	8	12	10	1	0
BOULMER	1	10	20	0	0	0	0	0	0	0	0	0	1	7	18	5	0	FALMOUTH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HULL	1	5	21	4	0	0	0	0	0	0	0	0	1	7	17	6	0	ALDERGROVE	1	7	21	2	0	0	0	0	0	0	7	18	6	0	0	
GORLESTON	0	5	20	6	0	0	0	0	0	0	0	0	2	19	10	0	0	ARMAGH	1	11	16	3	0	0	0	0	0	0	9	15	7	0	0	

TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

DECEMBER 1978

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES		DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										HIGHEST VALUES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		ABOVE MSL	ABOVE GROUND EFFECTIVE	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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TABLE 6 SUMMARY OF AUTOGRAPHIC RECORDS OF WIND

239  
DECEMBER 1978

DISTRICT REGION/COUNTY AND PLACE		HEIGHT OF VANE IN METRES	DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										HIGHEST VALUES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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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.