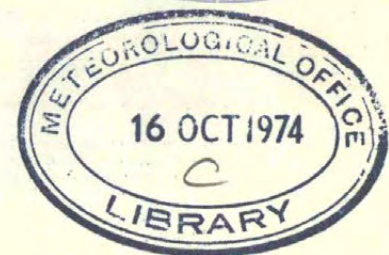


DUPLICATE ALSO

Met. O. 813

METEOROLOGICAL OFFICE



THE  
MONTHLY  
WEATHER REPORT  
1969

VOLUME 86

LONDON: HER MAJESTY'S STATIONERY OFFICE

1970

#A 3A



# Climatological District Map

showing position of :-

## A DISTRICTS (LARGE FIGURES)

- 0 = SCOTLAND NORTH
- 1 = SCOTLAND EAST
- 2 = ENGLAND NORTH-EAST
- 3 = ENGLAND EAST
- 4 = MIDLAND COUNTIES
- 5 = ENGLAND SOUTH-EAST
- 6 = SCOTLAND WEST AND ISLE OF MAN
- 7 = ENGLAND NORTH-WEST AND NORTH WALES
- 8 = ENGLAND SOUTH-WEST AND SOUTH WALES
- NI = NORTHERN IRELAND

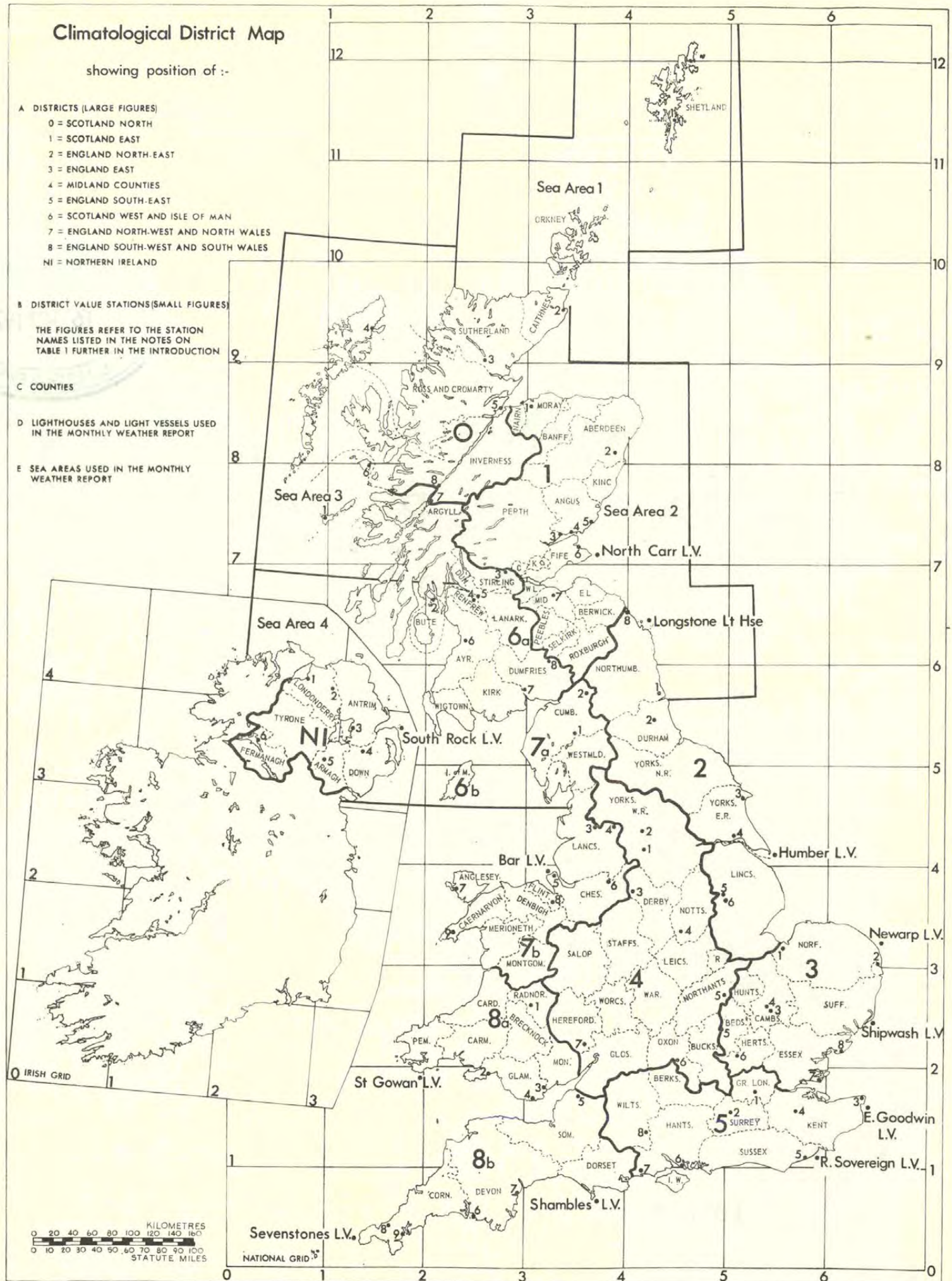
## B DISTRICT VALUE STATIONS (SMALL FIGURES)

THE FIGURES REFER TO THE STATION NAMES LISTED IN THE NOTES ON TABLE 1 FURTHER IN THE INTRODUCTION

## C COUNTIES

## D LIGHTHOUSES AND LIGHT VESSELS USED IN THE MONTHLY WEATHER REPORT

## E SEA AREAS USED IN THE MONTHLY WEATHER REPORT





# THE MONTHLY WEATHER REPORT, 1969

## Volume 86

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*London Road, Bracknell, Berkshire RG12 2SZ*







# INTRODUCTION

The *Monthly Weather Report* summarises weather observations taken at about 620 stations in the United Kingdom. Particulars of the standards required and the methods adopted in taking the observations are given in the *Observer's Handbook*.\*

The Introduction to the Report, which is published separately towards the end of the year and forms part of the volume, gives particulars of any changes made since the previous year both in the observations and in the stations making the returns. It also gives particulars of the various items tabulated. Every three years or so a complete list of observing stations is published in the Introduction, together with the names of the Authorities responsible for them.

The *Annual Summary* is similar in form to the monthly parts and concludes the Report for a particular year. It also contains additional tables.

## A BRIEF HISTORY OF THE MONTHLY WEATHER REPORT

Monthly summaries of observations made at stations in connexion 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 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*. Data on radiation relating to the period 1911–21 was published in the *British Meteorological and Magnetic Year Book*, Part III, Section 2, and for the period 1922–56 in the *Observatories Year Book*; they first appeared in the *Monthly Weather Report* in 1935. Further historical details of the development of the *Monthly Weather Report* will be found in the 1915 volume. Most of the changes made in later years are indicated in subsequent volumes. A note on the revision of the *Monthly Weather Report* in 1956 is included in the Introduction to the 1955 volume.

## GENERAL ARRANGEMENT OF THE MONTHLY PARTS

The arrangement of each issue of the *Monthly Weather Report* is as follows:

1. Remarks on the prominent features of the weather over the British Isles under a brief heading descriptive of the special characteristics of the month.

2. Table I. Summaries, by districts, of air temperature, earth temperature, rainfall and duration of bright sunshine based on observations at 'district value' stations. Five such stations are selected for each element as representative of each district except for earth temperatures where the scarcity of long-period stations in some districts has restricted the choice. There are ten districts. Northern Ireland is one, each of the other nine being made up of a number of adjacent counties in Great Britain broadly grouped according to their general climatic features. The districts and the positions of the stations used in each district are shown on the map on page (ii).

3. A full-page map showing by isohyetal lines the distribution of the month's precipitation. This map is based on data from about 6000 stations.

4. A plate of four maps showing:

- (a) The distribution of mean sea level pressure based on observations at selected stations at 9 h. (GMT). The isobars are extended over the Irish Republic from data kindly supplied by the Director of the Meteorological Service, Dublin. Dashed lines show the 1931–60 average distribution of pressure at 9 h.
- (b) The distribution of mean air temperature at sea level over the land. Mean sea temperatures in coastal waters are shown in circles round the coast. The names of the lighthouses and light-ships making these observations are given in the frontispiece of this Introduction.
- (c) The distribution of mean bright sunshine in hours per day.
- (d) Difference of mean 30 cm earth temperature from 1931–60 average.

5. Table II. Summary of autographic records of surface wind.

6. Table III. Summaries for individual stations, of mean and extreme air temperatures, mean earth temperatures at 30 cm and 122 cm, rainfall, weather and sunshine observations. Differences from average or percentages of average are given when available for air temperature, rainfall and sunshine.

7. Table IV. Summaries of the observations of pressure, temperature, humidity, cloud, visibility and surface wind, made at fixed hours 3, 9, 15 and 21 h. (GMT).

8. Table VIII. Monthly frequencies of maximum and minimum temperatures at 20 selected stations.

9. Table XIII. Solar radiation and illumination at certain stations.

10. Additions and corrections to tables published in previous months.

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\* London, Meteorological Office; *Observer's Handbook*, 3rd Edn. London, HMSO 1969.



# GENERAL ARRANGEMENT OF THE ANNUAL SUMMARY

The *Annual Summary* of each volume of the *Monthly Weather Report* includes general remarks, maps and tables for the year as a whole and was first published in 1903. The general arrangement is as follows:

1. General remarks on the weather of the year consisting of a brief review of some of the most noteworthy events.
2. Maps and Tables I, III, IV, VIII and XIII corresponding to those in the monthly issue but based on data for the year as a whole.
3. Table V. Highest and lowest maximum and minimum temperatures during the year at each station.
4. Table VI. Monthly frequencies of duration of bright sunshine at 20 selected stations.
5. Table VII. Frequency of specified daily rainfall totals for 30 selected stations.
6. Table IX. A summary of autographic records of surface wind, corresponding to Table II in the monthly parts of the report.
7. Table X. The number of hours during the year with gusts exceeding (a) 33 kt and (b) 47 kt at each anemograph station.
8. Table XI. Occasions of 'strong gales' during the year.
9. Table XII. Dates on which gusts exceeded 47 kt during the year.
10. Additions and corrections to tables previously published.

## NOTES ON THE MAIN TABLES

TABLE I. DISTRICT VALUES

A table in this form was started in 1908, and was revised in 1928, 1941, 1956, 1964 and 1966.

The District Values are computed from the statistics for the individual stations (known as District Value Stations) listed below, the differences from and percentages of average for air temperature, earth temperature and sunshine being the means of the corresponding values for these stations. The percentages of average rainfall are similarly derived except that the value for Northern Ireland is based on the much larger number of stations used in the 'General Values' published in *British Rainfall*.\* The values given in Table I for Scotland and for England and Wales are the means for these countries, again except for rainfall values which are based on the much larger number of stations used in *British Rainfall*. The averages, 'weighted' where the records are incomplete, refer to the period 1931-60 for temperature, earth temperature and sunshine, and to the period 1916-50 for rainfall. The highest and lowest temperatures refer only to District Value Stations.

Dist.	No.	Station	Element	Dist.	No.	Station	Element	Dist.	No.	Station	Element
0	1	Lerwick	TR - - S	2	1	Tynemouth	TR - - S	7	1	Newton Rigg	TR - - S
	2	Wick	TR - - S		2	Durham	TR E1 E2 S		2	Spadeadam	- E1 E2 -
	3	Achany	- E1 E2 -		3	Bridlington	TR - - S		3	Stonyhurst	TR - - S
	4	Stornoway	TR - - S		4	Hull	TR E1 E2 S		4	Nelson	- E1 E2 -
	5	Fortrose	TR - - S		5	Lincoln	TR E1 E2 -		5	Bidston	TR - - S
	6	Isle of Rhum	- E1 E2 -		6	Waddington	- - - S		6	Ringway	TR - - S
	7	Onich	TR - - S	3	1	Terrington	TR - - S		7	Valley	TR - - S
	8	Fort William	- E1 E2 -		2	St. Clement	TR E1 E2 S		8	Loggerheads	- E1 E2 -
1	1	Forres	TR E1 E2 S		3	Gorleston	TR E1 E2 S		9	Botwnnog	- E1 E2 -
	2	Craibstone	TR E1 E2 S		3	Cambridge	TR E1 E2 -	8	1	Llandrindod	TR - - S
	3	Mylnefield	- E1 E2 -		4	B.G.	TR E1 E2 -		2	Wells	- E1 E2 -
	4	Dundee	TR - - S		5	Cambridge	- - - S		3	Swansea	TR E1 E2 -
	5	Arbroath	- E1 E2 -		6	N.I.A.B.	- E1 E2 -		4	Cardiff	TR E1 E2 -
	6	St. Andrews	TR - - S		7	Woburn	TR E1 E2 S		5	Rhosee	- - - S
	7	Edinburgh	TR - - S		8	Rothamsted	TR E1 E2 S		6	Long Ashton	TR - - S
	8	Berwick	TR - - S		8	Shoeburyness	TR - - S		7	Plymouth,	- E1 E2 -
6	1	Tiree	TR - - S	4	1	Clacton-on-Sea	- E1 E2 -		8	The Hoe	TR - - S
	2	Rothsay	TR - - S		2	Huddersfield	TR E1 E2 -		9	Teignmouth	- E1 E2 -
	3	Stirling	- E1 E2 -		3	Bradford	- E1 E2 -	NORTHERN IRELAND	1	Ballykelly	T - - S
	4	Paisley	TR - - S		4	Buxton	TR E1 E2 S		2	Moneydig	T - - S
	5	Abbotsinch	TR - - S		5	Nottingham	TR E1 E2 S		3	Aldergrove	T - - S
	6	Auchincruive	TR E1 E2 S		6	Raunds	TR E1 E2 S		4	Hillsborough	- - - S
	7	Dumfries	TR E1 E2 S		7	Oxford	TR E1 E2 S		5	Armagh	T - - S
	8	Eskdalemuir	TR E1 E2 S		8	Ross-on-Wye	TR E1 E2 S		6	Castle Archdale Forest	T - - S
				5	1	Kew	TR E1 E2 S				
					2	Wisley	- E1 E2 -				
					3	Margate	- E1 E2 -				
					4	East Malling	TR - - S				
					5	Hastings	TR E1 E2 S				
					6	Southsea	TR - - S				
					7	Bournemouth	- E1 E2 -				
					8	Porton	TR - - S				

In the above table TR stands for temperature and rainfall, E1 and E2 for earth temperature at 30 cm and 122 cm respectively and S for sunshine. The stations are numbered in each district in order to show their positions on the map on page (ii).

Stations used for computing District Values of temperature and rainfall are marked in Table III by the sign ¶, those for sunshine by the sign §, and those for earth temperatures by the sign ε.

\* London, Meteorological Office, *British Rainfall*, HMSO, London.



## TABLE II. SUMMARY OF AUTOGRAPHIC RECORDS OF SURFACE WIND

This table was started in 1914 and there were minor revisions in 1932 and 1956.

The majority of the records used in the preparation of this table are obtained from electrical recorders, the remainder being obtained from pressure-tube anemographs.

### DISTRIBUTION OF MEAN HOURLY VALUES OF SURFACE WIND SPEED

The classification of surface wind speed is based on the Beaufort scale of wind force (see *Observer's Handbook*, 1969 ed., page 82). For an anemograph complying with the specification 'head 10 m (33 ft.) above ground in the open' the several columns for mean hourly distribution correspond to wind speeds (measured over an hour) equivalent to Force 8 and above (gales), Forces 7 and 6 (strong winds), Forces 5 and 4 (moderate breezes), Forces 3 and 2 (light breezes), Forces 1 and 0 (nearly calm). Some information as to the actual exposures is given in the 'height' column. The 'Effective Height' is defined as the height, over open level terrain in the vicinity, which it is estimated would have the same mean wind speeds as those actually recorded by the anemometer. All heights quoted in Table II are given in metres.

The duration in each category is the number of 60-minute periods ended at exact hours (GMT) in each of which the mean wind velocity was between the stated limits.

### HIGHEST VELOCITIES

The 'Highest Hourly Wind' refers to the mean for a period of 60 minutes ended at an exact hour (GMT). Under the heading 'Veer from N', the direction from which the wind was blowing is stated, e.g. the entry for an east wind being 090° that for a south wind 180° and so on.

Values in square brackets [ ] are highest values recorded, but, owing to defective records, may not be the extreme values for the month or year.

## TABLE III. SUMMARY OF DAILY OBSERVATIONS

This table was first published in its present form in 1915. Table III and Table IV (see below) include practically all the items specified in the international forms of monthly climatological summaries (Formats I to IV of Annexe 12A of the *Guide to Climatological Practices*, World Meteorological Organization, Geneva) and give, in addition, information regarding the duration of bright sunshine, mean earth temperatures at 30 and 122 cm, the number of observations of different ranges of visibility and the number of observations of the different total amounts of cloud.

### AIR TEMPERATURE

The terminal hours (GMT) for reading maximum and minimum temperatures are given for each station in column 2 of the table. When the hours are stated independently the temperatures refer to the intervals of 24 hours ending at that time. When the maximum thermometer is read at 9 h. (GMT) the reading is credited to the previous day. When the terminal hours as shown in column 2 are separated by a dash thus, 21-9, the day-maximum for the period 9 h. to 21 h. (GMT) and the night-minimum for the period 21 h. to 9 h. (GMT) are utilized in determining the means for the month. In such cases the day-minimum and night-maximum temperatures are also read by the observers.

The highest and lowest temperatures recorded in each district of the table are underlined.

Mean monthly maximum and minimum temperatures for stations with differing terminal hours, as indicated in col. 2, are not strictly comparable.

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 approximately 1.2 m above ground. The nearest object should be at least twice its height away from the screen. The measurements at Kew have been obtained from an electrical resistance aspirated psychrometer in an open position on the main lawn at 1.25 m above it.

### EARTH TEMPERATURE

Measurements of earth temperature are taken at 9 h. (GMT) from thermometers suspended in steel tubes sunk vertically in the ground, the bulbs of the thermometers being at depths of 30 and 122 cm. The tubes are fitted with small metal covers so that water will not collect in the tubes.

### RAINFALL

Rainfall includes all forms of precipitation. The daily amounts refer to the total accumulated during the 24-hour period 9h. to 9h. (GMT), and as the greater part of this period occurs on the day previous to that of reading, the amount is credited to the previous day. That is, the amount read at 9 h. (GMT) on the first day of a month is credited to the last day of the previous month and is used in computing the monthly total for that month. All rainfall measurements are given in millimetres.



## WEATHER

*Number of days of precipitation.* Every day when rainfall (over the 24-hour period 9h. to 9h. (GMT)) exceeds the limits 0.2 mm (0.01 inch) and 1 mm (0.04 inch) is counted. The lower limit excludes 'traces' of precipitation; very occasionally the lower limit is passed when the precipitation is only in the form of dew.

*Snow or sleet.* Every day when snow or sleet (rain or drizzle and snow) is observed to fall, at any time of the day from midnight to midnight (GMT), is counted even though the quantity is so small that no measurable amount is collected in the rain gauge.

*Snow lying at 9 h. (GMT).* Every day when snow is lying at 9 h. (GMT) is counted, provided the snow covers half or more of the flat ground easily visible from the station and that this ground does not differ by more than 30 m from the altitude of the station. In judging if half the ground is covered no account is taken of bare patches under trees or of areas occupied by water.

*Hail.* For the purpose of this summary 'Hail', which includes soft hail, is defined as small pieces of ice with diameter of 5 mm upwards, falling either separately or agglomerated into irregular lumps.

*Ice or snow pellets, etc.* Every day when ice pellets or snow pellets up to 5 mm in diameter, or ice grains or ice needles occur, is counted.

*Thunder heard.* Every day when thunder is heard, at any time from midnight to midnight (GMT), is counted as a day of thunder.

*Fog at 9 h. (GMT).* The entry of 'fog' implies that regular observations of the range of vision are made. Days of fog are those on which the range of vision is less than 1000 metres (1,100 yards) at 9 h. (GMT). Any variability of the hour of observation may make a great difference to the statistics of fog frequency. When the visibility is different in different directions the observation taken in the direction of worst visibility is used in determining a day of fog.

*Air frost.* An air frost is counted when the screen minimum temperature, read either at the terminal hour of 9 h. or 21 h. (GMT), was below 0°C.

*Grass minimum below 0°C.* A day of grass minimum temperature below 0°C is entered when the reading of the grass minimum thermometer at 9 h. (GMT) was below 0°C, the thermometer having been set and exposed at 21 h. (GMT) or soon after sunset the previous evening, or, at stations where this is not possible, at 9 h. (GMT) the previous day. The time of setting the thermometer should not vary from day to day and the entry is credited to the day of reading. The grass minimum temperature refers either to the 24-hour period 9 h. to 9 h. (GMT) or to the shorter period covering the whole night (e.g. sunset to 9 h. (GMT)).

*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 touching the centre of the smooth surface of a slab of concrete of specified standard size and composition. A day of concrete minimum temperature below 0°C is entered if the concrete minimum temperature, read at 9 h. (GMT), is below 0°C.

*Gale.* A gale is a wind of Force 8 or upwards on the Beaufort scale. Days of gale are those days when a mean wind speed of 34 kt or more is experienced at any time during the 24 hours from midnight to midnight.

## SUNSHINE

The sunshine recorder is generally insensitive to sunshine when the sun is at an altitude of less than 3°. Where the symbol 'S' occurs it indicates that obstacles obstruct the sun's rays during more than 5 per cent of the period when the sun is over 3° above the horizon.

### TABLE IV. SUMMARY OF OBSERVATIONS AT FIXED HOURS

This table in its present form was started in 1915, but a table in the *Monthly Weather Report* as early as 1908 included values of humidity and cloud amount at the mid-day hour of observations.

Since January 1945 the hours of observation have been 3, 9, 15, 21 h. (GMT) and from that date departures from the average pressure at 9 h. (GMT) have been given.

## MEAN AIR PRESSURE

This is expressed in millibars (1 millibar=1,000 dynes per square centimetre=the pressure due to 0.750062 mm of mercury at 0°C, and standard gravity 980.665 cm/sec.<sup>2</sup>). The corrections for gravity, temperature and height have been applied to the barometer readings so as to obtain pressure at mean sea level.

## HUMIDITY

The values of vapour pressure and relative humidity are based on readings of dry- and wet-bulb thermometers in louvered screens. At Kew an aspirated psychrometer is used. The humidity values are derived either by humidity slide-rule or from hygrometric tables (based on a formula by Regnault) issued by the Meteorological Office.\* At most stations the daily values of relative humidity and vapour pressure are found and the monthly means are computed therefrom. At a few stations the means of the relative humidity and vapour pressure are derived from the monthly means of the dry- and wet-bulb readings. These stations are indicated by an asterisk against the station name.

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\* London, Meteorological Office; *Hygrometric Tables* Part I, 6th edition, HMSO 1964.



#### CLOUD AMOUNT

The proportion of sky covered with cloud is estimated on a scale 0 to 8, the entry '0' being equivalent to clear sky and '8' to overcast; '9' indicates 'sky obscured or cloud amount cannot be estimated'.

#### VISIBILITY

The ranges, specified by international arrangement, are given at the head of the appropriate columns in metres and kilometres.

#### SURFACE WIND

At stations where there are anemographs the mean speed over the 10 minutes ending at the hour (corrected to a height of 10 metres) is used; at other stations the frequencies are estimates, at the time of observation, of wind force on the Beaufort scale.

#### TABLE VIII. NUMBER OF DAYS WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS

This table was introduced into the *Monthly Weather Report* in 1956 but in respect of the year as a whole it has been published in the *Annual Summary* since 1913.

#### TABLE XIII. SOLAR RADIATION AND ILLUMINATION

The present Table XIII dates from 1957, but radiation data were first published in the *Monthly Weather Report* in 1935.

The instruments used for the radiation records are Moll-Gorczynski solarimeters. Meteorological Office pattern bimetallic actinographs may be used as standby instruments for recording total radiation. Daylight illumination is measured photoelectrically (Kew Mk. V instrument).

If in any month the data for any days are incomplete owing to instrumental or other faults, these data are completed by estimated values, using other available radiation data, if at all possible. The average 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 the tables for January 1966, if the extreme value has been obtained from the data which have been partly or wholly estimated then the value is given in brackets.

From January 1, 1957, the radiation values have been measured in accordance with the International Pyrheliometric Scale (1956).

It is sometimes found advisable to apply revised calibration constants retrospectively; the figures published in Table XIII are therefore liable to correction. A review of all published data is being carried out and any necessary amendments will be issued as they become available.

#### HEIGHTS OF STATIONS ABOVE MEAN SEA LEVEL

Unless otherwise stated in a footnote the height of a station above mean sea level given in Table III refers to the height above Ordnance Datum of the ground on which the rain-gauge stands, while the 'height of barometer above mean sea level' given in Table IV 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 for 1953. From January 1, 1964, altitudes in Northern Ireland refer to the Belfast Datum. On the average the Belfast Datum is about 0.3 m lower than the Newlyn Datum. All heights are given in metres.

#### AVERAGES

##### RAINFALL (TABLE III)

The averages refer to the period 1916-50 and are 'weighted' if the record is not complete for that period. The averages of rainfall are given in *Hyd. Mem. No 1* parts I and II, Meteorological Office, Bracknell.

##### PRESSURE (TABLE IV)

The averages refer to 9 h. (GMT) for the period 1931-60 and have been 'weighted' where necessary. They are given in *Clim. Mem. No 51*, Meteorological Office, Bracknell.

##### TEMPERATURE AND SUNSHINE (TABLE III)

The averages refer to the period 1931-60 and are given in *Averages of Temperature for Great Britain and Northern Ireland, 1931-60* (M.O.735) and *Averages of Bright Sunshine for Great Britain and Northern Ireland, 1931-60* (M.O.743) respectively.

##### EARTH TEMPERATURES 30 CM AND 122 CM (TABLE III)

The averages refer to the period 1931-60 and are given in *Averages of Earth Temperature at depths of 30 and 122 cm for the United Kingdom 1931-60* (Met. O. 794).



## TIME STANDARD

All time entries in the *Monthly Weather Report* are in Greenwich Mean Time. Observations were made at the same hours Greenwich Mean Time throughout the year.

## INTERPOLATED VALUES

When the observations from any station for a particular month are incomplete it may be possible to estimate approximate values for the missing observations by using reports from the neighbouring stations. Such estimates may be used for completing station mean values published in Tables III and IV, but values obtained in this way are shown in brackets thus: (11. 3).

## SEA TEMPERATURES

Mean sea-surface temperatures for the months of the year 1969 are shown by figures within circles on the temperature maps in the monthly issues of the Report. In general the values are derived from readings of ships under way, or from light vessels or lighthouses.

## LIST OF STATIONS COMPLETING CLIMATOLOGICAL RETURNS

This section contains a complete list of stations sending monthly climatological returns to the Meteorological Office; those whose data are not published in the report are printed in italics. The last list was published in 1967.

In the tables of the *Monthly Weather Report* the stations are arranged in districts and counties; but in this list the alphabetical order is adopted. The latitude and longitude of each station to the nearest minute and the National Grid Reference are given. A column indicating the type of station has been added according to the following scheme:—

O. Observatories. These stations maintain continuous records of all meteorological elements and are staffed by Meteorological Office personnel.

Sa, Sb. Synoptic stations. The observations from these stations are primarily used in preparing synoptic charts for weather forecasting, but climatological returns are also made. They are of two types: stations manned by Meteorological Office personnel (Sa), and auxiliary stations manned by coastguards, lighthouse-keepers, etc. (Sb).

C. Climatological stations. These stations contribute observations made daily at 0900 GMT (and at certain stations at other times also) of temperature (wet and dry bulb), wind, cloud amount and weather, with the daily maximum and minimum temperature, the daily rainfall and remarks on the weather. Observations of visibility and records of sunshine are commonly made at these stations as well.

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

H. Health resort stations. These are climatological stations co-operating with the Meteorological Office under a health resort scheme. They make observations at 6 p.m. clock time (and also, in some places, at 9 a.m. clock time when this differs from 0900 GMT) and these are reported to the Meteorological Office by telegram for communication to the national Press.

A. Anemograph stations. These stations provide summaries of surface wind speed and direction.

Sun. Sunshine stations. Some stations report sunshine only, usually for special reasons of situation.

Station (County)	Type	First Published	Lat.	Long.	National Grid	Authority
Abbotsinch [Glasgow Airport] (Renfrew)	SaA	1966	55 52N	04 26W	26-480667	Meteorological Office
Aber (Caernarvon)	Ag	1925	53 14N	04 01W	23-650728	Professor of Agriculture, College Farm
Aberdeen (Aberdeen)	C	1950	57 08N	02 08W	38-915042	Town Clerk
Aberfoyle (Perth)	C	1969	56 10N	04 23W	27-526007	Forestry Commission
Aberporth (Cardigan)	SaA	1942	52 08N	04 34W	22-242521	Meteorological Office
Aberystwyth (Cardigan)	H	1883	52 25N	04 04W	22-580815	Town Clerk
Aberystwyth Frongoch (Cardigan)	AgA	1925	52 25N	04 03W	22-605825	University College of Wales
Abingdon (Berkshire)	SaA	1944	51 41N	01 19W	41-482990	Meteorological Office
Achaglachgach (Argyll)	C	1959	55 49N	05 31W	16-813643	Forestry Commission (Scotland)
Achany (Sutherland)	C	1957	57 59N	04 25W	29-569018	Forestry Commission (Scotland)
Achentoul (Sutherland)	C	1968	58 18N	03 55W	29-873354	Sir Harold Nutting Bt.
Achnagoichan (Inverness)	C	1961	57 09N	03 48W	28-913082	The Nature Conservancy
Achnashellach (Ross and Cromarty)	C	1923	57 29N	05 16W	28-038492	Forestry Commission (Scotland)



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Acklington (Northumberland)	Sa	1945	55 18N	01 38W	46-225007	Meteorological Office
Addington (Greater London)	C	1891	51 22N	00 04W	51-352643	Croydon Corporation
Aigburth (Lancashire)	CA	1968	54 22N	02 55W	33-384852	Liverpool Education Committee
Aldeburgh (Suffolk)	Sb	1964	52 08N	01 36E	62-465563	Board of Trade
Aldenharn School (Hertford)	C	1965	51 40N	00 20W	51-157972	Mr. D. H. Robertson
Aldergrove (Antrim)	SaA	1927	54 39N	06 13W	IJ(33)-147798	Meteorological Office
Alderney (Channel Isles)	C	1958	49 42N	02 13W	555-564065	Clerk of the States of Alderney
Alice Holt Lodge (Hampshire)	Ag	1950	51 11N	00 51W	41-804430	Forestry Commission
Altnahinch Filters (Antrim)	C	1966	55 03N	06 15W	ID(34)-117236	Ballymoney R.D.C.
Alwen (Denbigh)	C	1958	53 04N	03 33W	23-956528	Wirral Water Board
Ambleside (Westmorland)	C	1931	54 26N	02 57W	35-372040	Lakes Urban District Council
Amersham (Buckingham)	A	1964	51 22N	01 09W	41-975975	U.K. Atomic Energy Authority
Ampleforth (Yorks., N.R.)	C	1904	54 12N	01 05W	44-598789	Rev. M. R. Everest, O.S.B., B.A.
Arbroath (Angus)	C	1914	56 33N	02 35W	37-649411	Town Council
Ardrossan (Ayr)	A	1969	55 39N	04 49W	26-226423	The Harbour Master
Ardtalnaig (Perth)	C	1959	56 32N	04 07W	27-702394	Mr. M. K. Browne
Armagh (Armagh)	C	1884	54 21N	06 39W	IH(23)-878458	Armagh Observatory
Aros (Argyll)	C	1968	56 32N	05 59W	17-553443	Forestry Commission (Scotland)
Ashintully Castle (Perth)	C	1968	56 44N	03 28W	37-101613	Mr. W. H. Atkinson-Clark
Ashover (Derbyshire)	C	1968	53 09N	01 28W	43-347634	Mr. H. Martin
Askham Bryan (Yorks., W.R.)	Ag	1936	53 57N	01 05W	44-552475	Principal, Institute of Agriculture
Auchincruive (Ayr)	Ag	1932	55 29N	04 34W	26-389236	Secretary, W. Scotland Agric. College
Avonmouth (Gloucester)	A	1954	51 30N	02 43W	31-505787	Port of Bristol Authority
Aylesbury (Buckingham)	Ag	1945	51 47N	00 47W	42-842114	County Education Committee
Bailrigg (Lancashire)	C	1968	54 05N	02 47W	34-485580	University of Lancaster
Ballyhalbert (Down)	Sun	1961	54 31N	05 29W	IJ(33)-656630	Mr. T. D. Boyd
Ballykelly (Londonderry)	SaA	1947	55 04N	07 01W	IC(24)-624234	Meteorological Office
Ballylunford (Antrim)	C	1968	54 51N	05 47W	ID(34)-424017	Electricity Board (N.I.)
Ballymoney (Antrim)	C	1965	55 04N	06 31W	IC(24)-943259	Dalriada School
Ballypatrick Forest (Antrim)	CA	1962	55 10N	06 09W	ID(34)-176387	Forestry Division (N.I.)
Balmacara House (Ross and Cromarty)	C	1953	57 17N	05 39W	18-800276	Principal, Balmacara House
Balmoral (Aberdeen)	C	1906	57 02N	03 12W	37-260947	Balmoral Estate Office
Baltasound (Zetland)	C	1908	60 46N	00 53W	42-609090	Mr. S. S. S. Polson
Banagher, [Caugh Hill] (Londonderry)	C	Not publ.	54 53N	06 58W	IC(24)-663047	Londonderry C.B.
Banchory (Kincardine)	C	1968	57 03N	02 30W	37-700957	Mr. L. E. Bromfield
Banff (Banff)	C	1915	57 40N	02 31W	38-689647	Town Clerk
Bardsey Island (Caernarvon)	Sb	1961	52 45N	04 48W	23-111206	Trinity House
Bargrennan (Kirkcudbright)	C	1959	55 04N	04 34W	25-361789	Forestry Commission (Scotland)
Baronscourt Forest (Tyrone)	C	1962	54 41N	07 27W	IH(23)-361843	Forestry Division (N.I.)
Barr (Ayr)	C	1959	55 13N	04 43W	25-287943	Forestry Commission (Scotland)
Barrhead (Renfrew)	C	1957	55 49N	04 23W	26-511601	Borough Surveyor
Bath C.B.S. (Somerset)	C	1960	51 22N	02 22W	31-751638	Senior Geography Master
Beaghs Forest (Antrim)	C	Not publ.	55 04N	06 11W	ID(34)-162273	Forestry Division (N.I.)
Bedford R.A.E. (Bedford)	A	1964	52 13N	00 29W	52-049597	R.A.E. Bedford
Belfast Harbour (Antrim)	A	1968	54 38N	05 53W	IJ(33)-363777	Belfast Harbour Commissioners
Belfast, Malone (Antrim)	C	1968	54 33N	05 58W	IJ(33)-315691	Queen's University
Belfast, Q.U. roof (Antrim)	Sun	1968	54 35N	05 56W	IJ(33)-336727	Queen's University
Bell Rock (Angus)	A	1930	56 26N	02 24W	37-763272	Northern Lighthouse Board
Belper (Derby)	C	1910	53 01N	01 29W	43-346468	Headmaster, Herbert Strutt School
Benbecula (Inverness)	SaA	1943	57 28N	07 22W	08-782555	Meteorological Office
Benmore Younger Bot. Gdn. (Argyll)	C	1961	56 01N	04 59W	26-141856	Regius Keeper, Royal Bot. Gdn.
Berwick-on-Tweed (Northumberland)	C	1924	55 46N	02 00W	46-002528	Borough Surveyor
Bessbrook (Armagh)	Sun	1961	54 12N	06 24W	IJ(33)-051284	Mr. J. S. W. Richardson
Bexhill (Sussex)	C	1908	50 50N	00 28E	51-737072	Borough Council
Bidston (Cheshire)	CA	1915	53 24N	03 04W	33-287897	The Director of Observatory
Binbrook (Lincoln)	SaA	1964	53 26N	00 12W	53-196958	Meteorological Office
Birmingham, King Edw. School (Warwick)	C	1960	52 27N	01 55W	42-051835	Chief Master, King Edwards School
Black Mountain (Antrim)	Sb	1964	54 35N	06 01W	IJ(33)-278727	Independent Television Authority
Blairgowrie (Perth)	C	1961	56 35N	03 21W	37-175438	Parks Superintendent
Bletchley (Buckingham)	C	1965	52 00N	00 44W	42-867336	Headmaster, Grammar School
Blyth Bridge (Peebles)	Ag	1958	55 42N	03 22W	36-141463	Secretary, Animal Breeding Research Org.
Bodiam (Sussex)	C	1940	51 00N	00 33E	51-785249	Guinness Hop Farms Limited
Bognor Regis (Sussex)	H	1940	50 47N	00 41W	40-934989	Urban District Council
Boscombe Down (Wiltshire)	SaA	1931	51 10N	01 45W	41-172403	Meteorological Office
Bolton (Lancashire)	C	1968	53 35N	02 27W	34-724115	Corporation of Bolton
Botwnnog (Caernarvon)	C	1961	52 51N	04 34W	23-263313	Headmaster, Botwnnog School
Bournemouth (Hampshire)	H	1892	50 43N	01 53W	40-071917	Medical Officer of Health
Bowhill (Selkirk)	C	1956	55 32N	02 54W	36-427273	Factor, Buccleuch Estates Limited
Boxworth (Cambridge)	Ag	1952	52 15N	00 01W	52-346640	Director, Exp. Husbandry Farm
Bracknell (Berkshire)	C	1963	51 25N	00 45W	41-874693	Meteorological Office
Bracknell [Easthampstead] (Berkshire)	Sun	1963	51 24N	00 44W	41-874693	Meteorological Office
Bradford (Yorks., W.R.)	C	1908	53 49N	01 46W	44-149352	Corporation of Bradford
Braemar (Aberdeen)	C	1880	57 00N	03 24W	37-152914	Mr. J. C. Donaldson
Bramham (Yorks., W.R.)	Ag	1954	53 52N	01 20W	44-431412	Professor of Agriculture, Leeds University



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Brawdy (Pembroke)	CA	1959	51 53N	05 09W	12-851249	Commanding Officer, Royal Naval Air Station
Bridgenorth (Shropshire)	Sun	1963	52 32N	02 25W	32-709932	Mr. H. E. Trevor
Bridlington (Yorks., E.R.)	H	1954	54 06N	00 12W	54-175689	East Yorkshire (Wolds Area) Water Board
Brigg (Lincoln)	C	1965	53 34N	00 29W	54-002083	Mr. R. Williamson
Brighton (Sussex)	H	1949	50 49N	00 08W	51-313054	Manager, Entertainments & Publicity Dept.
Brize Norton (Oxford)	SaA	1968	51 45N	01 35W	42-289060	Meteorological Office
Brodick Castle (Bute)	C	1966	55 36N	05 09W	26-013377	The National Trust for Scotland
Bromley (Greater London)	C	1927	51 24N	00 01E	51-399693	Borough Engineer
Broom's Barn (Suffolk)	Ag	1965	52 16N	00 34E	52-753657	Dr. R. Hull, Broom's Barn Exp. Station
Brynamman (Carmarthen)	Sa	Not publ.	51 49N	03 52W	22-718143	Mr. D. Godfrey Morgan
Buddon Ness (Angus)	C	1943	56 28N	02 44W	37-539309	Dundee Harbour Trust
Bude (Cornwall)	C	1913	50 50N	04 33W	21-208063	Urban District Council
Bugbrooke Mills (Northampton)	C	1963	52 13N	01 00W	42-681586	Messrs. Heygates Ltd.
Burghfield (Berkshire)	A	Not publ.	51 25N	01 01W	41-686683	Royal Ordnance Factory
Burlingham (Norfolk)	Ag	1950	52 38N	01 30E	63-373101	Norfolk Education Committee
Burnley (Lancashire)	C	1959	53 47N	02 15W	34-855353	Medical Officer of Health
Bush House (Midlothian)	Ag	1954	55 51N	03 12W	36-244636	Secretary, School of Agriculture
Buxton (Derby)	C	1875	53 15N	01 55W	43-059738	Borough Librarian & Curator
Bwlchgwyn (Denbigh)	C	1950	53 04N	03 08W	33-236520	Secretary, Wrexham & E. Denbighshire Water Co.
Cairngorm (Inverness)	CA	1964	57 08N	03 39W	38-005049	Cairngorm Wintersports Development Board
Caistor (Lincoln)	C	1965	53 30N	00 22W	54-082019	Cherry Valley Farms Ltd.
Caldecott (Leicester)	C	1958	52 31N	00 44W	42-864932	Corby and District Water Co.
Callander (Perth)	C	1967	56 15N	04 12W	27-634080	Town Clerk
Calshot (Hampshire)	A	1921	50 49N	01 18W	41-486018	Harbour Master
Cambridge Bot. Gdn. (Cambridge)	C	1904	52 12N	00 08E	52-454575	Director, University Botanic Gdn.
Cambridge N.I.A.B. (Cambridge)	Ag	1960	52 13N	00 06E	52-434604	Director, National Institute of Agric. Botany
Camden Square (Greater London)	C	1958	51 33N	00 08W	51-296845	Secretary, Royal Meteorological Society
Campbeltown (Argyll)	C	1961	55 26N	05 36W	16-721208	Town Clerk
Camps Reservoir (Lanark)	C	1964	55 29N	03 35W	26-997226	County Water Engineer
Cannington (Somerset)	Ag	1929	51 09N	03 04W	31-258400	Principal, Somerset Farm Institute
Cape Wrath (Sutherland)	Sb	1941	58 37N	05 00W	29-259747	Northern Lighthouse Board
Cardiff (Glamorgan)	C	1904	51 30N	03 10W	31-195793	Medical Officer of Health
Cardington (Bedford)	SaA	1954	52 07N	00 25W	52-081463	Meteorological Office
Carlisle (Cumberland)	SaA	1961	54 56N	02 57W	35-384603	Meteorological Office
Carmarthen (Carmarthen)	Ag	1963	51 51N	04 18W	22-413183	Carmarthenshire Education Committee
Carnoustie (Angus)	C	1951	56 30N	02 43W	37-558344	Borough Surveyor
Carnwath (Lanark)	C	1953	55 42N	03 38W	26-974464	Lee and Carnwath Estates
Carrigans (Tyrone)	SbA	1964	54 40N	07 19W	IH(23)-435810	Mr. R. J. McConnell
Cartmel (Lancashire)	C	Not publ.	54 11N	02 57W	34-381783	Rev. Canon M. D. Grieve
Castle Archdale Forest (Fermanagh)	CA	1964	54 28N	07 42W	IH(23)-189593	Forestry Division (N.I.)
Castle Douglas (Kirkcudbright)	Sun	1955	54 57N	03 53W	25-789629	Imperial Chemical Industries Ltd.
Cawood (Yorks., W.R.)	Ag	1953	53 50N	01 08W	44-561366	Director, Experimental Husbandry Stn.
Ceinws (Montgomery)	C	1962	52 38N	03 50W	23-758060	Forestry Commission
Cenarth Mill (Radnor)	Sb	1969	52 23N	03 30W	22-978778	Mr. T. I. Evans
Chatsworth (Derby)	C	Not publ.	53 14N	01 37W	43-261701	Trustees of Chatsworth Settlement
Cheddar Secondary School (Somerset)	C	1968	51 16N	02 47W	31-456532	Headmaster, Kings of Wessex Secondary School
Cheldon Barton (Devon)	Sb	1969	50 54N	03 48W	21-734134	Mr. M. L. H. Sampson
Cheltenham (Gloucester)	C	1962	51 54N	02 03W	32-946218	Town Clerk
Chivenor (Devon)	SaA	1950	51 05N	04 09W	21-494347	Meteorological Office
Chopwellwood (Durham)	C	1911	54 55N	01 47W	45-136580	Forestry Commission
Christchurch (Hampshire)	C	1958	50 44N	01 47W	40-155937	Chief Engineer, W. Hants. Water Co.
Church Fenton (Yorks., W.R.)	A	1968	53 50N	01 12W	44-528380	Meteorological Office
Church Stretton (Shropshire)	Sun	1960	52 31N	02 50W	32-437911	Surveyor, U.D.C.
Cirencester (Gloucester)	Ag	1956	51 43N	01 57W	42-005013	Principal, Royal Agricultural College
Clacton-on-Sea (Essex)	H	1902	51 47N	01 09E	62-172143	Urban District Council
Clatteringshaws (Kirkcudbright)	C	1964	55 05N	04 16W	25-554780	South of Scotland Electricity Board
Clee Hill (Shropshire)	Sb	1967	52 24N	02 35W	32-599779	Ministry of Aviation
Cleethorpes (Lincoln)	H	1925	53 33N	00 01W	54-314079	Engineer and Surveyor
Coatbridge (Lanark)	C	1952	55 51N	04 03W	26-712643	Manager, Sewage Works
Cockle Park (Northumberland)	Ag	1898	55 13N	01 41W	45-201912	Professor of Agriculture, King's College
Coire Cas Shielling (Inverness)	C	1964	57 08N	03 39W	28-995054	Cairngorm Wintersports Development Board
Colonsay (Argyll)	C	1935	56 05N	06 11W	16-393966	Rt. Hon. Lord Strathcona
Coltishall (Norfolk)	SaA	1964	52 46N	01 21E	63-262229	Meteorological Office
Colwyn Bay (Denbigh)	H	1908	53 17N	03 43W	23-857786	The Borough Treasurer
Compton (Berkshire)	Ag	1960	51 31N	01 15W	41-519802	Agricultural Research Council
Comrie (Perth)	C	Not publ.	56 23N	03 57W	27-800231	The Principal, Lawers Agricultural School
Coningsby (Lincoln)	A	Not publ.	53 05N	00 10W	53-224568	Meteorological Office
Cookstown (Tyrone)	Ag	1963	54 36N	06 45W	IH(23)-816748	Loughry Agriculture College
Corbridge (Northumberland)	C	1963	54 59N	02 01W	35-988651	Headmaster, Corbridge County Secondary School
Corpach (Inverness)	C	1968	56 50N	05 09W	27-080764	Scottish Pulp and Paper Mills
Corwen (Merioneth)	Ag	1959	52 57N	03 25W	33-048399	Animal Breeding Research Organisation
Coryton (Essex)	A	1957	51 30N	00 31E	51-746823	Refinery Manager, Mobil Oil Co. Ltd.
Cottesmore (Rutland)	A	Not publ.	52 43N	00 40W	43-909154	Meteorological Office
Coventry (Warwick)	C	1966	52 24N	01 34W	42-290780	Medical Officer of Health
Craibstone (Aberdeen)	Ag	1931	57 11N	02 12W	38-872107	Secretary, N. Scotland Agricultural College
Craighouse (Argyll)	C	1964	55 51N	05 57W	16-528680	Forestry Commission (Scotland)



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Cranwell (Lincoln)	SaA	1920	53 02N	00 30W	53-003494	Meteorological Office
Crawfordjohn (Lanark)	Sb	1967	55 30N	03 46W	26-879239	Capt. J. Ross
Creightons Green (Down)	C	1961	54 38N	05 47W	IJ(33)-431789	Mr. T. D. Boyd
Cricket Malherbie (Somerset)	C	1968	50 55N	02 55W	31-362126	Mrs. H. Taylor
Cromer (Norfolk)	H	1902	52 56N	01 17E	63-208422	Urban District Council
Cross Island (Down)	Sun	1966	54 31N	05 38W	IJ(33)-529649	Mr. D. Chamberlain
Crossmyloof (Lanark)	C	1963	55 50N	04 17W	26-572627	Headmaster, Hutchesons' Boys Grammar School
Crumbland Plantation (Monmouth)	Ag	1958	51 43N	02 46W	32-474024	Forestry Commission
Culdrose (Cornwall)	C	1961	50 05N	05 14W	10-669264	C.O., Royal Naval Air Station
Culterty (Aberdeen)	C	Not publ.	57 19N	02 00W	38-999260	Aberdeen University
Cumbernauld (Dunbarton)	CA	1962	55 58N	03 58W	26-772760	Chief Architect and Planning Officer
Cupar (Fife)	C	1956	56 20N	02 59W	37-388152	General Manager, British Sugar Corp'n. Ltd.
Cwmystwyth (Cardigan)	Ag	1960	52 10N	03 42W	22-775745	Director, Pwllpeiran Exp. Husbandry Farm
Dalcross (Inverness)	A	1968	57 32N	04 03W	28-766520	Meteorological Office
Dale Fort (Pembroke)	C	1952	51 42N	05 09W	12-823052	Field Studies Council
Dall (Perth)	C	1962	56 41N	04 18W	27-594565	Headmaster, Rannoch School
Dalmacallan (Dumfries)	C	1959	55 11N	03 53W	25-799891	Forestry Commission (Scotland)
Dartford (Kent)	C	1951	51 26N	00 13E	51-542736	Borough Engineer and Surveyor
Davidson's Mains (Midlothian)	C	1949	55 58N	03 17W	36-199757	Mr. J. W. Younger
Deal (Kent)	Sb	1960	51 14N	01 24E	61-377536	Board of Trade (Coastguard Section)
Derby (Derby)	C	1956	52 56N	01 28W	43-359367	Borough Engineer and Surveyor
Derrynoyd Forest (Londonderry)	C	1962	54 47N	06 48W	IH(23)-770956	Forestry Division (N.I.)
Dinnet (Aberdeen)	Ag	1963	57 07N	02 55W	38-446025	North of Scotland School of Agriculture
Divis Mountain (Antrim)	C	Not publ.	54 36N	06 00W	IJ(33)-287751	Queen's University
Douglas (Isle of Man)	H	1908	54 10N	04 29W	24-382776	Borough Surveyor
Dounreay (Caithness)	CA	1959	58 35N	03 44W	29-990670	U.K. Atomic Energy Authority
Dover (Kent)	CA	1873	51 07N	01 19E	61-320410	Borough Engineer
Dover, R.M.S. (Kent)	C	Not publ.	51 07N	01 19E	61-327439	Headmaster, Royal Military School
Dovercourt (Essex)	H	1957	51 55N	01 15E	62-242301	Borough Engineer and Surveyor, Harwich
Downpatrick, La Salle (Down)	C	1969	54 19N	05 43W	IJ(33)-489443	La Salle Community
Downside Abbey (Somerset)	C	Not publ.	51 15N	02 30W	31-656508	Downside Abbey
Drummond Castle (Perth)	C	Not publ.	56 20N	03 53W	27-840178	The Factor, Drummond Castle Estates
Duirinish (Ross and Cromarty)	A	1960	57 19N	05 41W	18-776315	British Transport Commission
Dumfries (Dumfries)	C	1907	55 04N	03 36W	25-980746	Physician Supt., Crichton Royal Institute
Dunbar (East Lothian)	H	1933	56 00N	02 31W	36-672791	Borough Surveyor
Dunblane (Perth)	C	Not publ.	56 11N	03 58W	27-776011	Borough Surveyor
Dundee (Angus)	C	1865	56 28N	02 56W	37-435310	Director of Studies, Training College
Dundeugh (Kirkcudbright)	C	1959	55 10N	04 12W	25-598879	Forestry Commission (Scotland)
Dungeness (Kent)	SbA	1956	50 55N	00 58E	61-094169	Trinity House
Duntulm (Inverness)	C	1934	57 39N	06 22W	18-399718	Mr. Seton Gordon, C.B.E.
Durham (Durham)	CA	1851	54 46N	01 35W	45-267416	Director, University Observatory
Dyce (Aberdeen)	SaA	1943	57 12N	02 12W	38-883125	Meteorological Office
Earls Colne (Essex)	C	1925	51 55N	00 42E	52-858288	Headmaster, Grammar School
Earls Hill (Stirling)	Sb	1963	56 04N	04 03W	26-725882	The Station Engineer
East Bergholt (Suffolk)	C	1954	51 57N	01 02E	62-077333	Director, Field Studies Council
Eastbourne (Sussex)	H	1946	50 46N	00 17E	50-611980	Medical Officer of Health
Eastbourne Coastguard (Sussex)	Sb	1959	50 47N	00 18E	51-629006	Board of Trade (Coastguard Section)
East Dereham (Norfolk)	C	1967	52 41N	00 57E	53-994138	Mr. H. A. J. Gray
East Hoathly (Sussex)	Sb	1964	50 55N	00 09E	51-512147	Decca Navigation
East Malling (Kent)	Ag	1925	51 17N	00 27E	51-711568	Director, Research Station
Eastwick Lodge (Hertford)	C	1952	51 47N	00 05E	52-447115	Chief Engineer, Harlow Development Corp.
Edgbaston (Warwick)	SbA	1897	52 28N	01 56W	42-046846	University of Birmingham
Edinburgh:						
Blackford Hill (Midlothian)	CA	1914	55 55N	03 11W	36-258706	Astronomer Royal for Scotland
East Craigs (Midlothian)	Ag	1959	55 57N	03 19W	36-183735	Director, Dept. of Agriculture for Scotland
Royal Bot. Gdn. (Midlothian)	C	1940	55 58N	03 12W	36-247756	Curator, Royal Botanic Garden
Elgin (Moray)	C	1965	57 39N	03 17W	38-229630	Elgin Town Council
Ellbridge (Cornwall)	Ag	1930	50 27N	04 15W	20-401632	Director, Rosewarne E.H.S.
Elmdon [Birmingham Airport] (Warwick)	SaA	1950	52 27N	01 44W	42-176839	Meteorological Office
Elmstone (Kent)	C	1959	51 17N	01 10E	61-258605	Mr. J. B. Henderson
Eskdalemuir (Dumfries)	OA	1910	55 19N	03 12W	36-235026	Meteorological Office
Everton (Hampshire)	Ag	1955	50 44N	01 34W	40-303937	Director, Experimental Horticultural Station
Exeter (Devon)	Sa	1946	50 44N	03 25W	30-001933	Meteorological Office
Exeter Southam (Devon)	C	Not publ.	50 43N	03 30W	20-954919	S/Ldr. C. Chesterfield
Exmouth (Devon)	H	1914	50 36N	03 24W	30-026819	Urban District Council
Fairford (Gloucester)	A	Not publ.	51 41N	01 47W	41-158990	Meteorological Office
Falkirk S. Wks. (Stirling)	C	1967	56 01N	03 46W	26-902820	Falkirk Town Council
Falmouth (Cornwall)	H	1869	50 09N	05 05W	10-802325	Town Clerk
Faskally (Perth)	C	1955	56 43N	03 46W	27-918599	Dept. of Agriculture and Fisheries for Scotland
Faversham (Kent)	Ag	1959	51 17N	00 52E	61-007593	Director, National Fruit Trials



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Fernhurst (Sussex)	Ag	1952	51 02N	00 42W	41-908267	Plant Protection Ltd.
Fettercairn (Kincardine)	C	1949	56 54N	02 32W	37-669782	Manager, Hill Farm Research Organisation
Filey (Yorks., E.R.)	H	1956	54 13N	00 17W	54-113801	Clerk of the Council
Filton (Gloucester)	Sa	1950	51 31N	02 35W	31-598802	Meteorological Office
Finchampstead (Berkshire)	Ag	1957	51 25N	00 55W	41-792633	Mr. J. R. Allison
Finnart (Dunbarton)	C	1965	56 07N	04 50W	26-241951	Supt., British Petroleum Co. Ltd.
Finningley (Nottingham)	SaA	1943	53 29N	01 00W	43-658995	Meteorological Office
Fleetwood (Lancashire)	A	1923	53 56N	03 01W	34-333482	Parks Superintendent
Floors Castle (Roxburgh)	C	Not publ.	55 36N	02 28W	36-707345	Mr. P. F. L. Batchelor, Roxburgh Estates
Folkestone (Kent)	H	1905	51 05N	01 11E	61-227358	Borough Engineer
Forres (Moray)	C	1935	57 37N	03 36W	38-047587	Town Clerk
Fort Augustus (Inverness)	C	1887	57 08N	04 40W	28-381091	Procurator, The Abbey
Fort Augustus [N.S.H.E.B.] (Inverness)	SbA	1966	57 08N	04 43W	28-356085	North of Scotland Hydro-Electric Board
Forth Road Bridge (West Lothian)	A	1967	56 00N	03 24W	36-125796	Forth Road Bridge Joint Board
Fortrose (Ross and Cromarty)	C	1911	57 35N	04 08W	28-749557	Town Clerk
Fort William (Inverness)	C	1960	56 50N	05 05W	27-123759	Headmaster, The Schoolhouse, Camaghael
Fowey (Cornwall)	C	1910	50 21N	04 38W	20-120513	Borough Surveyor
Fowlis Wester (Perth)	C	1969	56 24N	03 44W	27-928241	Mr. H. C. B. Park
Fraserburgh (Aberdeen)	Sb	1968	57 42N	02 00W	38-999675	Board of Trade (Coastguard Section)
Fyvie Castle (Aberdeen)	C	1959	57 27N	02 27W	38-764393	Sir Ian Forbes-Leith, Bart.
Galashiels (Selkirk)	C	1968	55 37N	02 49W	36-479367	Water Officer (For Town Council)
Garstang (Lancashire)	Ag	1958	53 55N	02 48W	34-469480	Director, Nat. Inst. of Agr. Botany
Garston (Hertford)	CA	1961	51 42N	00 23W	52-123017	Director, Building Research Station
Gartly (Aberdeen)	C	1969	57 22N	02 48W	38-520319	Forestry Commission
Garvagh Forest (Londonderry)	C	1962	54 58N	06 41W	IC(24)-836159	Forestry Division (N.I.)
Gatwick (Surrey)	SaA	1959	51 09N	00 11W	51-265407	Meteorological Office
Gillingham (Kent)	C	1956	51 24N	00 34E	51-785693	Borough Engineer
Girvan (Ayr)	C	1969	55 15N	04 51W	25-184979	Town Council
Glamis Castle (Angus)	C	1957	56 37N	03 00W	37-388486	Earl of Strathmore
Glasgow Springburn (Lanark)	C	1910	55 53N	04 14W	26-608686	Director of Parks, The Corporation
Glenbranter (Argyll)	C	1965	56 08N	05 02W	26-113978	Forestry Commission (Scotland)
Gleneagles (Perth)	C	1965	56 17N	03 45W	27-918112	British Transport Hotels
Glen Etive (Argyll)	C	1968	56 31N	05 01W	27-143475	Forestry Commission (Scotland)
Glenlee (Kirkcudbright)	Sb	1887	55 06N	04 11W	25-606805	South of Scotland Electricity Board
Glenlivet (Banff)	Sb	1965	57 21N	03 21W	38-188303	Mr. J. Williams
Glenlochar Barrage (Kirkcudbright)	C	1954	54 52N	04 02W	25-732646	South of Scotland Electricity Board
Glenmore Lodge (Inverness)	Sb	1952	57 10N	03 40W	28-987095	Director of Field Studies
Glen Torridon (Ross and Cromarty)	C	Not publ.	57 32N	05 27W	18-931565	Mr. D. Goulder
Glentress (Peebles)	C	1960	55 39N	03 08W	36-285397	Forestry Commission (Scotland)
Gloucester (Gloucester)	Sa	1962	51 52N	02 13W	32-851177	Meteorological Office
Gogerddan (Cardigan)	Ag	1956	52 26N	04 01W	22-627836	Director, Plant Breeding Station
Gordon Castle (Moray)	C	1908	57 37N	03 05W	38-350595	Col. G. C. Gordon Lennox, C.V.O., D.S.O.
Gorleston (Norfolk)	SbA	1915	52 35N	01 43E	63-534037	Board of Trade (Coastguard Section)
Goudhurst (Kent)	C	1939	51 04N	00 27E	51-722333	Forestry Commission
Grangemouth (Stirling)	C	1967	56 01N	03 43W	26-929819	Borough Engineer for Town Council of Grangemouth
Grangemouth Refinery (Stirling)	C	Not publ.	56 01N	03 42W	26-943813	B.P. Ltd.
Grantown-on-Spey (Moray)	C	1967	57 20N	03 37W	38-032282	Strathspey Estates
Great Dun Fell (Westmorland)	SbA	1960	54 41N	02 27W	35-710322	Ministry of Aviation
Greenmount (Antrim)	Ag	1964	54 41N	06 13W	IJ(33)-152847	Greenmount Agric. College
Greenock (Renfrew)	C	1953	55 56N	04 46W	26-274757	The Water Engineer
Greenwich (Greater London)	C	1953	51 29N	00 00	51-387776	Director, National Maritime Museum
Grendon Underwood (Buckingham)	C	1963	51 54N	01 01W	42-678215	Director, Institute of Hydrology
Grizedale (Lancashire)	C	1961	54 21N	03 01W	34-337941	Forestry Commission
Guernsey Airport (Channel Isles)	SaA	1950	49 26N	02 37W	554-296760	Commandant, States Airport
Guernsey L'ancrese (Channel Isles)	H	1967	49 29N	02 32W	554-337829	States Tourist Committee
Gulval (Cornwall)	Ag	1925	50 08N	05 32W	10-486317	Sutton and Sons Ltd.
Haddington (East Lothian)	C	1957	55 57N	02 47W	36-513736	Town Clerk
Hadlow College (Kent)	Ag	1968	51 13N	00 20E	51-628497	Principal, Hadlow College of Agriculture and Horticulture
Hamnavoe (Shetland)	C	1962	60 06N	01 20W	41-372357	Mr. H. S. Barclay
Hampstead (Greater London)	C	1910	51 34N	00 11W	51-262863	Mr. R. A. Tyssen-Gee, F.C.A.
Hampton (Greater London)	CA	1952	51 25N	00 22W	51-132694	Metropolitan Water Board
Harlow (Essex)	C	1965	51 46N	00 08E	52-470101	Standard Telecommunication Lab. Ltd.
Harrogate (Yorks., W.R.)	C	Not publ.	54 01N	01 33W	44-303579	Borough Engineer
Hartburn Grange (Durham)	C	Not publ.	54 34N	01 22W	45-407185	British Titan Products
Hartland Point (Devon)	Sb	1938	51 01N	04 32W	21-231277	Board of Trade (Coastguard Section)
Hartlepool (Durham)	C	1952	54 41N	01 12W	45-510327	Mr. H. Lamb
Hastings (Sussex)	H	1936	50 51N	00 34E	51-809094	Director of Publicity
Haverfordwest (Pembroke)	C	1895	51 47N	04 58W	12-956146	Borough Surveyor
Hawarden Bridge (Flint)	C	1901	53 12N	03 01W	33-322693	Messrs. John Summers and Sons Ltd.



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Hawkrigde (Somerset)	Ag	1959	50 58N	03 36W	21-877327	Director, Experimental Husbandry Farm
Haydon Bridge (Northumberland)	C	1956	54 58N	02 15W	35-838646	Headmaster, Shaftoe Trust School
Hayling Island (Hampshire)	H	1956	50 47N	00 59W	40-716988	Urban District Council, Havant
Heathrow (Greater London)	SaA	1948	51 29N	00 27W	51-077769	Meteorological Office
Helens Bay (Down)	C	1964	54 40N	05 45W	IJ(33)-453825	Mr. T. D. Boyd
Helensburgh (Dunbarton)	C	1916	56 01N	04 43W	26-303836	Borough Surveyor
Helmshore (Lancashire)	Ag	1953	53 41N	02 20W	34-774205	Director, Experimental Husbandry Farm
Hempsted (Gloucester)	C	1960	51 50N	02 16W	32-811157	City Engineer and Surveyor
Herne Bay (Kent)	H	1940	51 22N	01 07E	61-171681	Clerk of the Council
High Mowthorpe (Yorks., E.R.)	Ag	1952	54 06N	00 38W	44-888685	Director, Experimental Husbandry Farm
Hillsborough (Down)	Ag	1931	54 27N	06 04W	IJ(33)-251577	Agricultural Research Inst.
Hoddesdon (Hertford)	Ag	1960	51 44N	00 05W	52-371105	Director, Lee Valley Exp. Hort. Station
Honington (Suffolk)	Sa	1969	52 20N	00 47E	52-889749	Meteorological Office
Houghall (Durham)	Ag	1961	54 46N	01 34W	45-283412	Principal, School of Agriculture
Huddersfield (Yorks., W.R.)	C	1922	53 38N	01 43W	44-163165	Town Clerk
Huddersfield Oakes (Yorks., W.R.)	Sb	1926	53 39N	01 50W	44-113177	Mr. S. Morris Bower
Hull (Yorks., E.R.)	C	1873	53 45N	00 16W	54-084302	General Superintendent, Parks Dept.
Hunterston (Ayr)	CA	1967	55 43N	04 54W	26-183514	South of Scotland Electricity Board
Hurley (Berkshire)	Ag	1953	51 32N	00 49W	41-822823	Director, Grassland Research Institute
Hurn (Hampshire)	SaA	1963	50 47N	01 50W	40-117978	Meteorological Office
Ilfracombe (Devon)	H	1912	51 12N	04 08W	21-520478	Urban District Council
Ilkley (Yorks., W.R.)	C	1922	53 55N	01 50W	44-113476	Surveyor and Engineer
Inverness (Inverness)	C	1958	57 29N	04 13W	28-668462	Firemaster, Northern Area Fire Brigade
Inverpolly (Ross and Cromarty)	C	1963	58 04N	05 16W	29-074134	Nature Conservancy
Inverurie (Aberdeen)	C	1968	57 16N	02 22W	38-779204	Borough Surveyor
Ipsley S. Wks. (Worcester)	C	1968	52 17N	01 55W	42-062656	Engineer and Surveyor, Redditch U.D.C.
Isle of Grain (Kent)	CA	1956	51 27N	00 43E	51-871749	Tech. Supt., Kent Oil Refinery Ltd.
Isle of Rhum (Inverness)	C	1958	57 01N	06 17W	17-402996	The Nature Conservancy
Jersey Airport (Channel Isles)	SaA	1956	49 12N	02 11W	554-588508	Airport Commandant
Jersey Gorey Castle (Channel Isles)	Sun	1962	49 12N	02 01W	554-651483	States Committee of Tourism
Jersey St. Helier (Channel Isles)	H	1924	49 11N	02 07W	554-651483	The Greffier
John O'Groats (Caithness)	C	1969	58 38N	03 04W	39-383724	Mr. J. Will
Keele (Stafford)	CA	1952	53 00N	02 16W	33-820446	Professor of Geography, University College
Kelso (Roxburgh)	C	1967	55 35N	02 26W	36-735345	Town Council of Kelso
Kensington Palace (Greater London)	C	1918	51 31N	00 10W	51-259801	Bailiff of the Royal Parks
Kew (Greater London)	OA	1869	51 28N	00 19W	51-171757	Meteorological Office
Kielder Castle (Northumberland)	C	1951	55 14N	02 34W	35-632935	Forestry Commission
Kildonan (Bute)	Sb	1966	55 26N	05 07W	26-035209	Board of Trade (Coastguard Section)
Kilkeel (Down)	SbA	1957	54 03N	05 59W	IJ(33)-315140	Board of Trade (Coastguard Section)
Killough (Down)	Sb	1964	54 14N	05 37W	IJ(33)-540353	Board of Trade (Coastguard Section)
Kilnsea (Yorks., E.R.)	Sb	1965	53 37N	00 09E	54-417161	Board of Trade (Coastguard Section)
Kilmarnock (Ayr)	C	1907	55 37N	04 31W	26-414378	Kilmarnock Town Council
Kilroot (Antrim)	C	1964	54 43N	05 45W	IJ(33)-441894	I.C.I. Fibres Ltd.
Kinlochewe (Ross and Cromarty)	C	1954	57 37N	05 18W	28-024630	Nature Conservancy
Kinloss (Moray)	SaA	1952	57 39N	03 34W	38-069625	Meteorological Office
Kinross (Kinross)	C	1969	56 13N	03 25W	37-123032	Sir David Montgomery
Kirkcaldy (Fife)	C	1951	56 08N	03 10W	36-272907	Town Clerk
Kirkham (Lancashire)	Ag	1952	53 48N	02 53W	34-414347	Director, Experimental Horticultural Station
Kirkintilloch (Dunbarton)	C	Not Publ.	55 57N	04 08W	26-665743	Mr. A. McGugan
Kirkwall (Orkney)	SaA	1951	58 57N	02 54W	30-483076	Meteorological Office
Knapdale Forest (Argyll)	C	1968	56 04N	05 33W	16-789909	Forestry Commission (Scotland)
Knockanrock (Ross and Cromarty)	C	1968	58 02N	05 05W	29-187087	The Nature Conservancy
Knockmany Forest (Tyrone)	C	1962	54 26N	07 10W	IH(23)-537546	Forestry Division (N.I.)
Knutsford (Cheshire)	C	1962	53 18N	02 21W	33-757783	Mr. Robert Bowles
Lacock (Wiltshire)	Ag	1951	51 26N	02 07W	31-923702	Crops Lecturer, Lackham School of Agriculture
Lake Vyrnwy (Montgomery)	C	1941	52 45N	03 28W	33-016192	Water Engineer, Liverpool Water Dept.
Lanark (Lanark)	C	1965	55 40N	03 47W	26-875434	West of Scotland College of Agriculture
Larkhill (Wiltshire)	SaA	1920	51 12N	01 48W	41-137447	Meteorological Office
Larne (Antrim)	C	1963	54 51N	05 50W	ID(34)-393026	Grammar School
Lathom Park (Lancashire)	C	Not publ.	53 34N	02 49W	34-458087	Pilkington Bros. Ltd.
Lauder (Berwick)	C	1962	55 44N	02 46W	36-521488	Forestry Commission (Scotland)
Leadhills (Lanark)	C	1953	55 25N	03 45W	26-888153	Mr. Douglas Grant
Leckford (Hampshire)	C	1936	51 07N	01 27W	41-393365	General Manager, Leckford Estate Ltd.
Leconfield (Yorks., E.R.)	SaA	1959	53 53N	00 26W	54-026438	Meteorological Office
Leeming (Yorks., N.R.)	SaA	1966	54 18N	01 32W	44-305890	Meteorological Office
Lenzie (Dunbarton)	C	Not publ.	55 56N	04 00W	26-652727	The Rector, Lenzie Academy



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Lerwick (Zetland)	OA	1946	60 08N	01 11W	41-453397	Meteorological Office
Letchworth (Hertford)	C	1960	51 58N	00 13W	52-208346	Urban District Council
Letcombe Regis (Berkshire)	C	1961	51 35N	01 27W	41-380863	Agricultural Research Council
Leuchars (Fife)	SaA	1922	56 23N	02 52W	37-468208	Meteorological Office
Lincoln (Lincoln)	C	1945	53 14N	00 34W	43-962719	City Engineer and Surveyor
Lislap Forest (Tyrone)	C	1960	54 42N	07 16W	IH(23)-485823	Queens University
Lisnafillan (Antrim)	C	1964	54 51N	06 19W	ID(34)-075023	Messrs. Gallaher Ltd.
Lisnaskea (Fermanagh)	C	1966	54 16N	07 28W	IH(23)-341351	Milk Marketing Board (N.I.)
Littlehampton (Sussex)	H	1916	50 48N	00 32W	51-033018	Urban District Council
Little Rissington (Gloucester)	Sa	1944	51 52N	01 42W	42-205191	Meteorological Office
Livingston (West Lothian)	C	Not publ.	55 53N	03 32W	36-038670	Livingston Development Corp.
Lizard (Cornwall)	SbA	1932	49 57N	05 12W	10-701119	Board of Trade (Coastguard Section)
Llandudno (Caernarvon)	H	1861	53 20N	03 50W	23-778819	Medical Officer of Health
Llandrindod Wells (Radnor)	C	1937	52 14N	03 22W	32-061605	Urban District Council
Llety-evan-Hen (Cardigan)	Ag	1939	52 27N	03 56W	22-693851	Director, Welsh Plant Breeding Station
Llwynon (Brecknock)	C	1952	51 47N	03 26W	32-013115	Water Engineer, Cardiff
Loggerheads (Denbigh)	C	1962	53 03N	03 14W	33-201622	Liverpool Education Committee
London W/Centre (Greater London)	A Sun	1930	51 31N	00 07W	51-308816	Meteorological Office
Long Ashton (Somerset)	Ag	1921	51 26N	02 40W	31-537699	Director, Agriculture and Hort. Research Stn.
Long Sutton (Hampshire)	Ag	1924	51 15N	00 56W	41-748467	Principal, Lord Wandsworth College
Lossiemouth (Moray)	CA	1961	57 43N	03 20W	38-212704	Commanding Officer, R.N.A.S.
Lough Bradan (Tyrone)	C	1963	54 36N	07 36W	IH(23)-259725	Lough Bradan, W.W., Jt. Bd.
Loughermore Forest (Londonderry)	C	1962	54 57N	07 05W	IC(24)-584128	Forestry Division (N.I.)
Loughall (Armagh)	Ag	1959	54 24N	06 36W	IH(23)-907519	Plant Breeding Division (N.I.)
Lough Navar Forest (Fermanagh)	C	1962	54 26N	07 54W	IH(23)-062546	Forestry Division (N.I.)
Lowestoft (Suffolk)	H	1878	52 30N	01 45E	62-543947	Borough Treasurer
Lowtown (Antrim)	Ag	1966	54 50N	06 01W	ID(34)-276005	Greenmount Agricultural College
Luddington (Warwick)	Ag	1952	52 10N	01 45W	42-167528	Director, Experimental Hort. Station
Lurgan (Armagh)	C	1966	54 27N	06 20W	IJ(33)-073569	Craigavon Development Commission
Luton (Bedford)	C	1920	51 53N	00 23W	52-118216	Borough Engineer
Lyneham (Wiltshire)	Sa	1946	51 30N	01 59W	41-014793	Meteorological Office
Lyonsall (Hereford)	C	1948	52 13N	02 58W	32-339576	Mr. R. H. Green
Macclesfield (Cheshire)	C	1881	53 15N	02 08W	33-911741	Superintendent of Parks
Machrihanish (Argyll)	Sa	1965	55 26N	05 43W	16-663226	Meteorological Office
Mackworth (Derby)	C	1961	52 55N	01 31W	43-319362	Headmaster, Secondary Modern School
Maldon (Essex)	C	1939	51 44N	00 40E	52-863065	Town Clerk
Malham Tarn (Yorks., W.R.)	C	1950	54 06N	02 10W	34-893672	Field Studies Council
Malvern (Worcester)	C	1890	52 06N	02 18W	32-779460	Urban District Council
Manby (Lincoln)	SaA	1952	53 21N	00 05E	53-391869	Meteorological Office
Manchester W/Centre (Lancashire)	A Sun	1961	53 29N	02 15W	33-839985	Meteorological Office
Mansfield (Nottingham)	C	1927	53 09N	01 11W	43-543618	Borough Surveyor
Manston (Kent)	SaA	1961	51 21N	01 21E	61-335666	Meteorological Office
Marchmont (Berwick)	C	1887	55 44N	02 25W	36-743484	Lady McEwen
Margate (Kent)	H	1882	51 24N	01 24E	61-368714	Town Clerk
Marham (Norfolk)	SaA	1952	52 39N	00 33E	53-726094	Meteorological Office
Marholm (Northampton)	C	Not publ.	52 36N	00 19W	53-145020	Lord Fitzwilliam
Marlborough (Wiltshire)	C	1864	51 25N	01 44W	41-185686	Headmaster, Marlborough College
Marton (Yorks., N.R.)	C	Not publ.	53 45N	01 13W	45-513157	Mr. D. L. Cox
Martyr Worthy (Hampshire)	Ag	1959	51 06N	01 16W	41-517338	Director, Experimental Husbandry Farm
Medmenham (Buckingham)	C	1963	51 33N	00 50W	41-805839	Water Research Association
Mepal (Cambridge)	Ag	1969	52 26N	00 05E	52-431826	M. A. F. F. Pinner, Middx.
Mertoun (Berwick)	C	1963	55 35N	02 34W	36-647321	The Duke of Sutherland
Mickleham (Surrey)	C	1952	51 16N	00 19W	51-173527	Field Studies Council
Middlesbrough (Yorks., N.R.)	A	Not publ.	54 36N	01 09W	45-541232	General Manager, Conservancy Commissioners
Mildenhall (Suffolk)	SaA	1936	52 22N	00 28E	52-683779	Meteorological Office
Milford Haven C.B. (Pembroke)	SbA	1965	51 42N	05 03W	12-892054	The Harbour Master
Moel Cynnedd (Montgomery)	C	1969	52 29N	03 43W	22-843877	Hydrological Research Unit
Moffat, [Duncan House] (Dumfries)	C	Not publ.	55 20N	03 26W	36-088054	The Headmaster
Moneydig (Londonderry)	Sb	1939	54 59N	06 36W	IC(24)-890170	Mr. J. Porter
Monkswood (Huntingdon)	C	1964	52 24N	00 14W	52-202797	Nature Conservancy
Montrose (Angus)	C	1955	56 45N	02 29W	37-707617	Sunnyside Royal Hospital
Moor House (Westmorland)	CA	1953	54 41N	02 23W	35-758328	The Nature Conservancy
Morecambe (Lancashire)	H	1915	54 04N	02 52W	34-431645	Town Clerk
Moreton Morrell (Warwick)	Ag	1955	52 12N	01 33W	42-306553	Principal, Institute of Agriculture
Morley (Derby)	Ag	1953	52 57N	01 25W	43-385401	Warden, Farm Institute
Morley St. Botolph (Norfolk)	Ag	1969	52 33N	01 03E	62-061996	Director, Norfolk Agricultural Station
Mount Batten (Devon)	SaA	1920	50 21N	04 07W	20-492529	Meteorological Office
Moy (Inverness)	C	Not publ.	57 23N	04 03W	28-765341	Forestry Commission (Scotland)
Mull of Galloway (Wigtown)	Sb	1958	54 38N	04 51W	25-157304	Northern Lighthouse Board
Mumbles Head (Glamorgan)	Sb	1959	51 34N	03 59W	21-626871	Board of Trade (Coastguard Section)
Murlough (Down)	C	1969	54 15N	05 51W	IJ(33)-407352	Queen's University
Mylnefield (Angus)	Ag	1955	56 27N	03 04W	37-341299	Director, Scottish Horticultural Res. Inst.
Nairn (Nairn)	C	1876	57 35N	03 54W	28-867568	Town Clerk
Neath (Glamorgan)	C	1956	51 39N	03 51W	21-715958	National Oil Refineries Ltd.



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Nelson (Lancashire)	C	1941	53 50N	02 12W	34-872384	Medical Officer of Health
Ness Gardens (Cheshire)	C	1966	53 16N	03 03W	33-305756	University of Liverpool
Newport (Monmouth)	Ag	1955	51 33N	03 02W	31-279849	Technical Officer, Exp. Hort. Station
Newport (Shropshire)	Ag	1928	52 46N	02 26W	33-712204	Principal, Harper Adams Agric. Coll.
Newquay (Cornwall)	H	1891	50 25N	05 05W	10-812614	Clerk to the Council
Newton Abbot (Devon)	Ag	1925	50 33N	03 39W	20-828729	Principal, Seale-Hayne Agric. Coll.
Newton Rigg (Cumberland)	Ag	1903	54 40N	02 47W	35-493310	Principal, Cumberland and Westmorland Farm School
Newton Stewart (Wigtown)	C	1965	54 58N	04 29W	25-409657	Rector, Douglas-Ewart High School
Newtownabbey (Antrim)	Ag	1965	54 39N	05 55W	IJ(33)-340802	Nematology Laboratory
Newtown Linford (Leicester)	C	1960	52 41N	01 13W	43-530095	Mr. E. A. Bonser
North Heath (Sussex)	Ag	1969	50 59N	00 29W	51-069227	West Sussex School of Agriculture
North Hessary Tor (Devon)	Sb	Not publ.	50 33N	04 00W	20-577742	B.B.C., London
Nottingham (Nottingham)	C	1875	52 57N	01 09W	43-568395	City Engineer and Surveyor
Oaken (Stafford)	C	1943	52 35N	02 12W	33-857031	Mr. I. H. Houston
Onecote (Stafford)	Ag	1959	53 07N	01 57W	43-035576	Farm Manager
Onich (Inverness)	C	1924	56 43N	05 13W	27-030635	Forestry Commission (Scotland)
Orielton (Pembroke)	C	1965	51 39N	04 57W	11-953992	Field Studies Council
Orlock Head (Down)	A	1969	54 40N	05 35W	IJ(33)-559833	Board of Trade (Coastguard Section)
Oswestry (Shropshire)	C	1943	52 51N	03 04W	33-278293	Water Engineer, Liverpool Corporation
Oxford (Oxford)	C	1851	51 46N	01 16W	42-509072	Professor of Geography
Paisley (Renfrew)	CA	1914	55 51N	04 26W	26-478642	Director, Coats Observatory
Palnure (Kirkcudbright)	C	1959	54 57N	04 25W	25-452646	Forestry Commission (Scotland)
Parkmore Forest (Antrim)	C	1965	55 01N	06 07W	ID(34)-203207	Queens University
Peckham (Kent)	Sb	Not publ.	51 11N	00 38E	51-839462	Mr. R. W. Sharp
Penicuik (Midlothian)	C	1944	55 50N	03 13W	36-233599	Dr. J. T. Baldwin
Penketh (Lancashire)	C	1965	53 23N	02 40W	33-560884	Headmaster, Greystone Heath School
Penkridge (Stafford)	Ag	1958	52 42N	02 06W	33-925116	Principal Farm Institute
Penmaen (Glamorgan)	Ag	1969	51 35N	04 07W	21-532888	Mr. J. S. Powell
Penwhirn (Wigtown)	C	1959	54 59N	04 55W	25-127693	Surveyor and Engineer
Pen-y-Ffridd (Caernarvon)	Ag	1955	53 13N	04 09W	23-563705	Professor Harper, University College of N. Wales
Penzance (Cornwall)	H	1894	50 07N	05 32W	10-472302	Town Clerk
Pershore [Coll. of Hort.] (Worcester)	Ag	1957	52 06N	02 03W	32-959449	Principal, Pershore Coll. of Horticulture
Pershore (Worcester)	SaA	1953	52 08N	02 02W	32-973495	Meteorological Office
Perth (Perth)	C	1914	56 24N	03 27W	37-101239	Town Clerk
Pickering (Yorks., W.R.)	C	1964	54 15N	00 46W	44-794842	Mr. John Randall
Pitlochry (Perth)	C	1958	56 43N	03 44W	27-945588	Town Clerk
Pitreavie (Fife)	Sa	1961	56 03N	03 25W	36-117848	Meteorological Office
Plumpton (Sussex)	Ag	1966	50 54N	00 05W	51-356134	Principal, School of Agriculture
Plymouth Hoe (Devon)	C	1876	50 22N	04 08W	20-478537	Medical Officer of Health
Point of Ayre (Isle of Man)	SbA	1936	54 25N	04 22W	25-467043	Northern Lighthouse Board
Polloch (Argyll)	C	1966	56 45N	05 37W	17-793688	Forestry Commission (Scotland)
Pomeroy Forest (Tyrone)	C	1963	54 35N	06 54W	IH(23)-705724	Forestry Division (N.I.)
Pontefract (Yorks., W.R.)	C	1926	53 42N	01 19W	44-452219	Headmaster, Kings School
Poole (Dorset)	H	1940	50 45N	01 59W	40-005938	Town Clerk
Poolewe (Ross and Cromarty)	C	1962	57 47N	05 36W	18-861818	National Trust for Scotland
Portadown (Armagh)	CA	1966	54 26N	06 25W	IJ(33)-019555	Craigavon Development Commission
Port Ellen (Argyll)	Sb	Not publ.	55 41N	06 16W	16-329516	Board of Trade
Portlough (Glamorgan)	C	Not publ.	51 27N	03 43W	21-822771	Urban District Council
Portland Bill Coastguard (Dorset)	SbA	1967	50 31N	02 27W	30-677692	Board of Trade (Coastguard Section)
Porton (Wiltshire)	SaA	1918	51 07N	01 42W	41-210366	Meteorological Office
Portrush Golf Club (Antrim)	Sun	1968	55 12N	06 38W	IC(24)-869400	Royal Portrush Golf Club
Port Talbot (Glamorgan)	CA	1954	51 34N	03 45W	21-789867	Steel Company of Wales Ltd.
Poulton-le-Fylde (Lancashire)	C	1957	53 50N	03 00W	34-346384	Headmaster, Baines Grammar School
Prabost (Inverness)	C	1960	57 28N	06 19W	18-418501	Mr. R. Murray
Prestatyn (Flint)	H	1939	53 20N	03 24W	33-065831	Urban District Council
Preston (Lancashire)	C	1952	53 46N	02 42W	34-537311	Director, Jeremiah Horrocks Obs.
Preston Wynne (Hereford)	Ag	1952	52 07N	02 30W	32-565475	Director, Rosemaund Exp. Husbandry Farm
Prestwick (Ayr)	SaA	1962	55 30N	04 35W	26-369261	Meteorological Office
Princetown (Devon)	C	1875	50 33N	03 59W	20-586741	Governor, H.M. Prison
Pubble Forest (Fermanagh)	C	1962	54 21N	07 28W	IH(23)-335465	Forestry Division (N.I.)
Rannoch (Perth)	A	1959	56 41N	04 35W	27-423575	Estate and Rating Surveyor
Raunds (Northampton)	C	1942	52 20N	00 31W	42-991721	Mr. T. C. Smith
Reading (Berkshire)	Ag	1908	51 26N	00 56W	41-736713	Professor of Geography
Reagh Island (Down)	C	1965	54 31N	05 38W	IJ(33)-524641	Mr. T. D. Boyd
Redcar (Yorks., N.R.)	C	1940	54 37N	01 04W	45-599249	Teesside County Borough Council
Regents Park (Greater London)	C	Not publ.	51 31N	00 09W	51-283826	Park Superintendent
Repton School (Derby)	C	Not publ.	52 50N	01 33W	43-302270	Mr. S. T. Whitaker
Rhoose (Glamorgan)	SaA	1954	51 24N	03 21W	31-060670	Meteorological Office
Rhuvaal (Argyll)	Sb	1958	55 56N	06 07W	16-426792	Northern Lighthouse Board
Rhyl (Flint)	H	1899	53 19N	03 30W	33-002807	Urban District Council
Ringway [Manchester Airport] (Cheshire)	SaA	1941	53 21N	02 16W	33-818850	Meteorological Office



Station (County)	Type	First Published	Lat.	Long.	National Grid	Authority
Rochdale (Lancashire)	C	1949	53 38N	02 10W	34-882124	Manager, Roch Mills Sewage Works
Rodney Stoke (Somerset)	C	1966	51 15N	02 43W	31-488501	The Nature Conservancy
Rogate (Sussex)	C	Not publ.	51 00N	00 51W	41-809237	University of London, Kings College
Ronaldsway (Isle of Man)	SaA	1948	54 05N	04 38W	24-279688	Isle of Man Government
Roscor (Fermanagh)	Sb	1963	54 26N	08 02W	IG(13)-971551	Mr. T. McGorty
Rosetta (Down)	C	1965	54 34N	05 55W	IJ(33)-346712	Carolan Grammar School
Rosewarne (Cornwall)	Ag	1954	50 13N	05 18W	10-643412	Director, Exp. Horticultural Station
Ross-on-Wye (Hereford)	Sb	1914	51 55N	02 35W	32-598237	Mr. F. J. Parsons
Rothamsted (Hertford)	AgA	1884	51 48N	00 21W	52-132134	Director, Experimental Station
Rotherham (Yorks., W.R.)	C	1939	53 25N	01 19W	43-435923	Mr. L. Atkinson
Rothsay (Bute)	C	1959	55 50N	05 04W	26-083649	Buteshire Natural History Society
Rudh Re (Ross and Cromarty)	Sb	1966	57 52N	05 49W	18-739918	Northern Lighthouse Board
Rugby (Warwick)	C	1956	52 22N	01 15W	42-507749	Rugby Weather Bureau
Rustington (Sussex)	Ag	1961	50 49N	00 31W	51-046033	Director, Glasshouse Crops Res. Inst.
Ruthin (Denbigh)	C	1960	53 07N	03 18W	33-133584	Headmaster, Brynhyfryd School
Ryde (Isle of Wight)	H	1914	50 44N	01 10W	40-595929	Superintendent, Publicity Dept.
St. Abb's Head (Berwick)	Sb	1938	55 55N	02 08W	36-914693	Northern Lighthouse Board
St. Albans (Hertford)	Ag	1922	51 46N	00 18W	52-182076	Principal, Institute of Agriculture
St. Andrews (Fife)	C	1915	56 20N	02 47W	37-502171	Borough Engineer
St. Austell (Cornwall)	C	1955	50 20N	04 47W	20-018526	Urban District Council
St. Catherine's Point (Isle of Wight)	Sb	1959	50 35N	01 17W	40-506755	Trinity House
St. James Park (Greater London)	C	1903	51 30N	00 08W	51-299799	Bailiff of the Royal Parks
St. Mary's Isle (Kirkcudbright)	C	1967	54 49N	04 04W	25-674494	Mr. J. W. Campbell
St. Mawgan (Cornwall)	SaA	1955	50 26N	05 00W	10-871642	Meteorological Office
Salcombe (Devon)	H	Not publ.	50 14N	03 47W	20-733386	Surveyor and Public Health Inspector
Salsburgh (Lanark)	Sb	1966	55 52N	03 52W	26-829648	Independent Television Authority
Sandown (Isle of Wight)	H	1906	50 39N	01 09W	40-602844	Urban District Council
Santon Downham (Norfolk)	Ag	1959	52 28N	00 41E	52-813901	Forestry Commission
Scarborough (Yorks., N.R.)	H	1876	54 18N	00 24W	54-044884	Medical Officer of Health
Scilly (Cornwall)	SbA	1884	49 56N	06 18W	00-913121	Board of Trade (Coastguard Section)
Seahouses (Northumberland)	Sb	1965	55 35N	01 39W	46-197341	Board of Trade (Coastguard Section)
Sellafield (Cumberland)	CA	1952	54 25N	03 30W	35-027032	U.K. Atomic Energy Authority
Shaftesbury (Dorset)	C	1897	51 01N	02 12W	31-861228	Headmaster, Modern School
Shanklin (Isle of Wight)	H	1948	50 37N	01 11W	40-581808	Urban District Council
Shawbury (Shropshire)	Sa	1946	52 48N	02 41W	33-553222	Meteorological Office
Sheffield (Yorks., W.R.)	CA	1893	53 23N	01 29W	43-339873	Director, City Museum
Shin (Sutherland)	A	1964	57 57N	04 25W	28-573974	Shin Generating Station
Shinfield (Berkshire)	Ag	1913	51 25N	00 57W	41-734686	Professor of Horticulture
Shipston-on-Stour (Warwick)	C	1941	52 04N	01 42W	42-213407	Mr. A. W. Beecham
Shirburn, Model Farm (Oxford)	C	1969	51 40N	00 59W	41-695971	Mr. J. D. G. Parker
Shoeburyness (Essex)	SaA	1900	51 32N	00 49E	51-948857	Meteorological Office
Shrewsbury (Shropshire)	C	1931	52 43N	02 43W	33-517136	Borough Surveyor
Sidmouth (Devon)	C	1930	50 41N	03 14W	30-124873	Surveyor, Council Offices
Silpho Moor (Yorks., N.R.)	AgA	1953	54 20N	00 31W	44-957946	Forestry Commission (Research Branch)
Silsoe (Bedford)	Ag	1953	52 01N	00 25W	52-091358	Director, Nat. Inst. of Agricultural Eng.
Skegness (Lincoln)	H	1904	53 09N	00 21E	53-569631	Engineer and Surveyor
Skokholm Island (Pembroke)	C	Not publ.	51 42N	05 16W	12-739051	Field Studies Council
Slaidburn (Yorks., W.R.)	C	1955	53 59N	02 26W	34-717547	Engineer, Fylde Water Board
Slaidburn No. 10 Site (Yorks., W.R.)	C	Not publ.	53 59N	02 25W	34-719550	Engineer, Fylde Water Board
Slapton (Devon)	C	1961	50 11N	03 37W	20-824449	Field Studies Council
Sloy (Dunbarton)	Sb	1966	56 15N	04 43W	27-324099	North of Scotland Hydro-Electric Board
Somerset Forest (Londonderry)	C	1962	55 06N	06 41W	IC(24)-840301	Forestry Division (N.I.)
Sourhope (Roxburgh)	Ag	1952	55 29N	02 15W	36-843203	Director, Hill Farming Research Org.
Southampton (Hampshire)	Sa	1880	50 55N	01 24W	41-419119	Meteorological Office
Southend (Essex)	H	1906	51 32N	00 42E	51-876852	Pier Master
S. Farnborough (Hampshire)	SaA	1914	51 17N	00 45W	41-867548	Meteorological Office
Southgate (Greater London)	C	1940	51 38N	00 07W	51-299952	London Borough of Enfield
Southport (Lancashire)	HA	1963	53 40N	02 58W	34-371207	Town Clerk
Southsea (Hampshire)	H	1959	50 48N	01 06W	40-640990	Medical Officer of Health
South Shields (Durham)	A	1916	55 00N	01 26W	45-373677	Secretary, Tyne Improvement Commission
Spadeadam (Cumberland)	CA	1960	55 02N	02 38W	35-599720	E.T.A. Engineer, Rolls Royce Ltd.
Speke [Liverpool Airport] (Lancashire)	SaA	1949	53 20N	02 51W	33-437820	Meteorological Office
Squires Gate [Blackpool Airport] (Lancashire)	SaA	1944	53 46N	03 02W	34-316317	Meteorological Office
Stanhope Farm (Peebles)	Ag	1957	55 33N	03 24W	36-123296	Animal Breeding Research Organisation
Stanstead Abbots (Hertford)	C	1959	51 46N	00 00	52-389100	Chief Engineer, Sewage Purification Works
Stansted (Essex)	SaA	1953	51 53N	00 13E	52-531226	Meteorological Office
Starcross (Devon)	Ag	1950	50 38N	03 27W	20-972821	Deputy Provincial Director, M.A.F.F.
Stenness (Orkney)	C	1962	58 59N	03 13W	30-298112	Mr. P. Leith
Stirling (Stirling)	C	1918	56 07N	03 56W	26-793936	Sanitary Inspector
Stirling Batterflats (Stirling)	C	Not publ.	56 07N	03 57W	26-786925	Stirling Corporation
Stone (Stafford)	Ag	1955	52 53N	02 11W	33-878321	Secretary, Animal Breeding Research Org.
Stonyhurst (Lancashire)	C	1851	53 51N	02 28W	34-692388	Rev. J. E. Worthy, The College
Stormont Castle (Down)	C	1958	54 35N	05 48W	IJ(33)-402749	Works Division (N.I.)
Stornoway (Ross and Cromarty)	Sa	1876	58 13N	06 20W	19-459332	Meteorological Office
Stornoway Coastguard (Ross and Cromarty)	A	1950	58 12N	06 22W	19-443305	Board of Trade



Station (County)	Type	First Published	Lat.	Long.	National Grid	Authority
Strabane (Tyrone)	C	1967	54 49N	07 27W	IH(23)-352974	Our Lady of Mercy Secondary Intermediate School
Stratford-on-Avon (Warwick)	Ag	1957	52 11N	01 44W	42-164549	Director, Exp. Husbandry Farm
Strachan (Kincardine)	C	1962	57 01N	02 30W	37-696917	The Nature Conservancy
Strathallan School (Perth)	C	1969	56 21N	03 28W	37-090185	The Bursar
Strathconon (Ross & Cromarty)	C	1969	57 33N	04 48W	28-329551	Forestry Commission (Scotland)
Strathy (Sutherland)	C	1939	58 31N	04 01W	29-830609	Lands Officer, Dept. of Agriculture (Scotland)
Strathyre (Perth)	C	1957	56 19N	04 19W	27-561167	Forestry Commission (Scotland)
Sule Skerry (Orkney)	Sb	1953	59 05N	04 24W	20-623241	Northern Lighthouse Board
Sutton Bonington (Nottingham)	Ag	1925	52 50N	01 15W	43-507261	Prof. F. L. Milthorpe, School of Agriculture
Sutton Bridge (Lincoln)	C	Not publ.	52 45N	00 11E	53-481203	Potato Marketing Board
Swanage (Dorset)	H	1931	50 37N	01 57W	40-030794	Urban District Council
Swansea (Glamorgan)	C	1908	51 37N	03 55W	21-642923	Clerk to the Corporation
Swyddffynnon (Cardigan)	C	1956	52 16N	03 55W	22-696655	The Nature Conservancy
Tarbatness (Ross and Cromarty)	Sb	1950	57 52N	03 46W	28-947875	Northern Lighthouse Board
Tavistock (Devon)	C	1960	50 33N	04 10W	20-482748	Tavistock R.D.C.
Teignmouth (Devon)	H	1904	50 33N	03 29W	20-941728	Teignmouth U.D.C.
Terrington St. Clement (Norfolk)	Ag	1951	52 45N	00 18E	53-547187	Director, Experimental Husbandry Farm
Thorney Island (Sussex)	SaA	1958	50 49N	00 56W	41-758026	Meteorological Office
Thorntonhall (Lanark)	C	1953	55 46N	04 14W	26-590555	Officer I/C, Building Research Station D.S.I.R.
Threave (Kirkcudbright)	C	1962	54 56N	03 57W	25-751607	Supt., Threave School of Practical Gardening
Throwley (Kent)	Ag	1953	51 14N	00 51E	51-983518	Thomas Neame Ltd.
Timpny (Down)	C	Not publ.	54 22N	05 53W	IJ(33)-375481	Mr. C. J. Robb
Tiree (Argyll)	SaA	1927	56 30N	06 53W	07-999446	Meteorological Office
Tollymore Park (Down)	C	1961	54 14N	05 56W	IJ(33)-344328	Queen's University
Torbay [Torquay] (Devon)	H	1930	50 28N	03 31W	20-909638	Town Clerk
Totnes (Devon)	C	1941	50 27N	03 42W	20-797629	Dartington Hall Trustees
Trawscoed (Cardigan)	Ag	1952	52 20N	03 57W	22-674736	Director, Experimental Husbandry Farm
Trawsfynydd (Merioneth)	CA	1962	52 47N	04 03W	23-695384	Central Electricity Generating Board
Tredegar (Monmouth)	C	1952	51 46N	03 15W	32-141087	Sanitary Inspector
Troon (Ayr)	Sun	Not publ.	55 32N	04 40W	26-322309	Burgh Surveyor
Troqueer (Dumfries)	C	Not publ.	55 03N	03 37W	25-969749	Burgh Surveyor
Tummel Bridge (Perth)	A	1965	56 42N	04 01W	27-772590	North of Scotland Hydro-Electric Board
Turnhouse (Midlothian)	SaA	1949	55 57N	03 21W	36-159739	Meteorological Office
Tynemouth (Northumberland)	Sb	1914	55 01N	01 25W	45-347695	Board of Trade (Coastguard Section)
Upavon (Wiltshire)	Sa	1956	51 17N	01 46W	41-161548	Meteorological Office
Urswick (Lancashire)	C	1954	54 09N	03 07W	34-268742	Rev. M. D. Grieve
Usan (Angus)	Sb	1966	56 41N	02 27W	37-724544	Board of Trade (Coastguard Section)
Ushaw College (Durham)	C	1885	54 47N	01 39W	45-219436	The President, Ushaw College
Usk (Monmouth)	Ag	1925	51 42N	02 55W	32-368018	Principal, College of Agriculture
Valley (Anglesey)	SaA	1943	53 15N	04 32W	23-310758	Meteorological Office
Ventnor Park (Isle of Wight)	H	1952	50 36N	01 13W	40-560774	Urban District Council
Virginstow (Devon)	Sb	1968	50 43N	04 07W	20-386938	W. Cdr. J. B. Jones, M.B.E., A.F.C.
Waddington (Lincoln)	SaA	1947	53 10N	00 31W	43-988653	Meteorological Office
Waddon (Greater London)	C	1959	51 21N	00 07W	51-314639	Croydon Corporation
Wakehurst Place (Sussex)	C	1967	51 04N	00 05W	51-338314	Director, Royal Botanic Gardens, Kew
Wallingford (Berkshire)	C	1961	51 32N	01 10W	41-617898	Institute of Hydrology
Walsall (Stafford)	C	1943	52 37N	01 55W	43-058010	Mr. J. C. W. Day
Walton-on-Naze (Essex)	Sb	1964	51 51N	01 17E	62-259225	Board of Trade (Coastguard Section)
Warsop (Nottingham)	Ag	1953	53 13N	01 07W	43-591699	Director, Gleadthorpe Exp. Husbandry Farm
Watnall (Nottingham)	SaA	1949	53 00N	01 15W	43-503456	Meteorological Office
Wattisham (Suffolk)	Sa	1960	52 07N	00 58E	62-026514	Meteorological Office
Wauchope (Roxburgh)	C	1956	55 23N	02 39W	36-587097	Forestry Commission (Scotland)
Wealdstone (Greater London)	Sun	1942	51 35N	00 20W	51-144898	Messrs. Kodak Ltd.
Wellesbourne (Warwick)	Ag	1953	52 12N	01 36W	42-271565	Director, National Vegetable Research Station
Wellington (Shropshire)	C	Not publ.	52 42N	02 29W	33-673117	Surveyor, Wellington R.D.C.
West Camel (Somerset)	C	1967	51 01N	02 37W	31-574247	Mr. G. R. Chapman
West Freugh (Wigtown)	SaA	1949	54 51N	04 57W	25-109546	Meteorological Office
West Kirby Park (Cheshire)	C	1952	53 23N	03 11W	33-216865	Urban District Council of Hoylake
West Lavington (Wiltshire)	C	1948	51 17N	02 02W	41-000535	Headmaster, Dauntsey's School
West Linton (Peebles)	C	1908	55 45N	03 21W	36-150520	Headmaster, Central School
West Malling (Kent)	Sa	1965	51 17N	00 24E	51-677553	Meteorological Office
West Raynham (Norfolk)	SaA	1946	52 47N	00 44E	53-847245	Meteorological Office
Weston-Super-Mare (Somerset)	H	1880	51 20N	02 59W	31-318602	Medical Officer of Health
Weymouth (Dorset)	H	1882	50 36N	02 27W	30-676791	Town Clerk
Whitby (Yorks., N.R.)	H	1904	54 29N	00 37W	45-895109	Urban District Council
Whitby Coastguard (Yorks., N.R.)	Sb	1963	54 29N	00 36W	45-904115	Board of Trade (Coastguard Section)
Whitchester (Berwick)	C	1964	55 49N	02 27W	36-721589	Mr. S. E. Landale, O.B.E.
Whiteford Burrows (Glamorgan)	C	Not publ.	51 37N	04 15W	21-438941	National Trust



Station (County)	Type	First Published	Lat.	Long.	National Grid	Authority
Whitehillocks (Angus)	C	1963	56 55N	02 54W	37-448800	County Engineer
Whitstable (Kent)	H	1939	51 22N	01 02E	61-112665	Surveyor and Water Engineer
Wick (Caithness)	SaA	1876	58 27N	03 05W	39-364522	Meteorological Office
Williton (Somerset)	C	1969	51 08N	03 21W	31-057378	Field Studies Council
Wilton Park (Yorks., W.R.)	C	Not publ.	53 44N	01 39W	44-235258	Curator, Bagshaw Museum, Batley
Wincanton (Somerset)	C	1963	51 04N	02 25W	31-704286	Headmaster, King Arthur's Secondary School
Winchester (Hampshire)	C	1953	51 05N	01 19W	41-484300	Medical Officer of Health
Winfrith (Dorset)	CA	1963	50 40N	02 15W	30-820870	U.K. Atomic Energy Authority
Wingerworth (Derby)	C	1969	53 12N	01 27W	43-371669	Mr. D. S. B. Fellowes
Winnington (Cheshire)	C	1948	53 16N	02 32W	33-643747	Imperial Chemical Industries Ltd.
Wisley (Surrey)	Ag	1904	51 17N	00 26W	51-063583	Director, Royal Horticultural Society's Gdns.
Wittering (Northampton)	SaA	1955	52 37N	00 27W	53-049027	Meteorological Office
Woburn (Bedford)	Ag	1898	52 01N	00 35W	42-964358	Director, Rothamsted Experimental Station
Woodburn North (Antrim)	C	1968	54 45N	05 53W	IJ(33)-367905	Queens University
Worcester (Worcester)	Ag	1954	52 10N	02 10W	32-873536	County Agricultural Officer
Worthing (Sussex)	H	1852	50 49N	00 22W	51-153029	Medical Officer of Health
Wrexham (Denbigh)	C	1944	53 03N	02 59W	33-338509	Headmaster, Grove Park School
Writtle (Essex)	Ag	1941	51 44N	00 26E	52-677069	Principal, Institute of Agriculture
Wye (Kent)	Ag	1925	51 11N	00 57E	61-057469	Principal, South Eastern Agricultural Coll.
Wyton (Huntingdon)	Sa	1957	52 21N	00 07W	52-284745	Meteorological Office
Yeovilton (Somerset)	Sa	1965	51 00N	02 38W	31-551237	Commanding Officer, R.N.A.S.
York, [Heslington] (Yorks., N.R.)	C	1966	53 57N	01 02W	44-630511	Archbishop Holgate's Grammar School

#### STATIONS CLOSED DURING 1969

The following stations were closed during 1969 but are shown in the list of stations making returns because some information was received from them during the year:

Aberystwyth Frongoch  
Camden Square  
Dalnacallan

Garstang  
Isle of Grain  
Leconfield

Mildenhall  
West Raynham



# Monthly Weather Report OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntary observers.

Volume 86 Number 1

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## January 1969 — Dull and exceptionally mild

Although the British Isles were under the influence of an anti-cyclone to the south-west for the first three days, cyclonic conditions persisted for most of the month with depressions mainly to the west and south-west. The resulting winds, predominantly from a southerly point, were largely responsible for the dull and mild weather. However, low pressure to the north brought cooler and brighter weather to many parts towards the end of the month.

**Weather** — Apart from a few brief cold spells at first, weather was mainly unsettled for much of the month and heavy rain on some days caused local floods. Although flooding was not serious, the dull weather and the absence of a drying wind led to waterlogging of fields; as a result, many farmers were behind schedule with preparations for spring sowing.

**Wind** — The frequency of gale-force winds was somewhat below average, gales being reported on 14 days in the south and on 10 days in the north, but some notable gusts occurred. The third week of the month was stormy, particularly in south and west England. Gales were widespread on the 17th and a gust of 79 kt was recorded at Scilly. In the same gale the Lyme Regis inshore lifeboat capsized and a member of the crew was drowned. Blustery winds occurred in Scotland during the last few days and on the 30th, at Earls Hill, near Stirling, a gust of 90 kt was recorded.

**Temperature** — It was a very mild month with mean temperature everywhere well above average. In the Midlands, east and southern England it was about 2 deg C warmer than normal and elsewhere mean temperature was between 1 and 2 deg C above average. A number of places had their mildest January for many years. It was the mildest January for 48 years at Hampstead, for 21 years at Oxford and for 20 years, apart from 1957, at Ross-on-Wye. Aberdeen Airport had its mildest January since records began in 1946. The period 20th to 26th was exceptionally mild in most places. For a few days around the 22nd, mean daily temperature was about 7 deg C above average in some places in the south. On the 21st, the temperature reached 15°C at Torquay, Teignmouth and Starcross (Devon) and, on the 22nd, at Camden Square (London); this is the highest January temperature at Camden Square during this century and at Torquay since 1923. Other extremes included: 13.9°C at Prestatyn on the 20th and at Colwyn Bay on the 21st; 13.3°C at Crossmyloof (Lanark) on the 3rd and at Cumbernauld (Dumbarton) on the 24th; 13.0°C at Ballykelly on the 24th.

Despite the overall mildness of the month some very low temperatures were observed during the cold spells in the early part of the month. They included the following, all of which occurred on the 6th: -20°C at Grantown-on-Spey (Nairn); -11.7°C at Lislap Forest (Co. Tyrone); -10.6°C at Moor House (Westmorland); -7.8°C at Alwen (Denbigh). On the same day, the noon temperature at Wick was only -10°C.

**Rainfall** — It was a rather wet month in most places. Rainfall was well above average in Co. Down and east Scotland with over twice the normal rainfall in Kincardine. In Pembroke, parts of Hampshire and the east Midlands, rainfall was more than fifty per cent above average. On the other hand, many inland areas of western Scotland received barely half their normal amount.

On the 7th, rainfall was heavy in Northern Ireland and Scotland; 53 mm were recorded in 24 hours at Foffany Reservoir (Co. Down) and 52 mm at Bridge of Dye (Kincardine). Foffany Reservoir featured

again on the 10th when a fall of 59 mm was measured and Spelga Dam, in the same county, had over 57 mm. Rain was particularly heavy and widespread on the 20th in Wales, Western England and the Midlands; 60 mm (about a third of the monthly total) fell at Ambleside (Westmorland) and 50 mm were recorded at Moel Cynnedd and Trawsfynydd.

Thunder was heard on 12 days in the south but only on four days in the north. Thunderstorms, accompanied by hail, were widespread in the south on the 8th and 17th; hailstones measuring 12 mm in diameter fell at Abingdon (Berks) on the 17th.

**Snow** — The frequency of snow or sleet (rain or drizzle and snow) was well below average and, in general, the few snowfalls were confined to high ground.

**Sunshine** — It was a dull month nearly everywhere especially in north-western districts where, in places, sunshine amounts were only about fifty per cent of average. At Llandrindod Wells the amount recorded was 42 per cent of normal and at Stonyhurst (Lancs) was 44 per cent of normal. At Tiree, in the Hebrides, it was the dulllest January for 19 years but in east Scotland it was brighter with near average sunshine. The second and third weeks were particularly dull everywhere. At Stonyhurst there was no sun on 21 days during the month and the total of 18.6 hours was the lowest monthly total there for any month since December 1956.

**Fog** — Fog persisted all day in the West Country on the 1st and in south-east England on the 4th when the visibility was 10 yards in parts of Essex. Widespread freezing fog occurred in Northern Ireland on the 6th and similar conditions affected the Midlands, east and north-east England on the 9th. Dense fog occurred again in Northern Ireland on the 15th and caused considerable traffic dislocation. Extensive hill and coast fog persisted from the 21st to the 25th in south and west England.

**Miscellaneous Phenomena** — The aurora was seen on eight nights in Scotland.

TABLE I—DISTRICT VALUES, JANUARY, 1969

DISTRICTS	AIR TEMPERATURE °C					EARTH TEMP. °C		RAIN DAYS	RAIN-FALL	SUN-SHINE
	*Highest Max.	*Lowest Min.	Max.	Min.	Mean	Mean 30 cm.	Mean 122 cm			
	Difference from Average						% of Average			
0 SCOTLAND, N.	11.7	-10.8	+0.8	+1.3	+1.0	+0.6	+0.3	+2	112	63
1 SCOTLAND, E.	12.8	- 8.3	+1.2	+1.4	+1.4	+1.0	+0.1	+3	113	93
2 ENGLAND, N.E.	13.3	- 6.1	+1.4	+1.7	+1.6	+0.8	0.0	-3	123	72
3 ENGLAND, E.	12.8	- 2.8	+1.9	+2.4	+2.2	+1.1	+0.2	+1	100	62
4 MIDLANDS	13.3	- 5.2	+1.9	+2.3	+2.1	+1.0	+0.2	+3	108	80
5 ENGLAND, S.E.	13.3	- 5.9	+1.6	+2.3	+1.9	+0.7	+0.1	+1	117	61
6 SCOTLAND, W.	11.2	- 5.6	+0.9	+1.4	+1.2	+0.3	-0.4	+3	78	76
7 ENGLAND, N.W. and N.Wales	12.2	- 6.1	+1.2	+1.9	+1.5	[+0.7]	+0.2	+1	92	63
8 ENGLAND, S.W. and S.Wales	15.0	- 6.1	+1.4	+2.1	+1.7	+0.9	0.0	+2	109	70
N.IRELAND	13.0	- 9.4	+0.6	+0.7	+0.7	-	-	+4	121	63
SCOTLAND	12.8	-10.8	+1.0	+1.0	+1.2	-	-	+3	96	77
ENG. and WALES	15.0	- 6.1	+1.4	+2.1	+1.8	-	-	+1	105	68

\*Highest Max. and Lowest Min. of the District Value Stations.

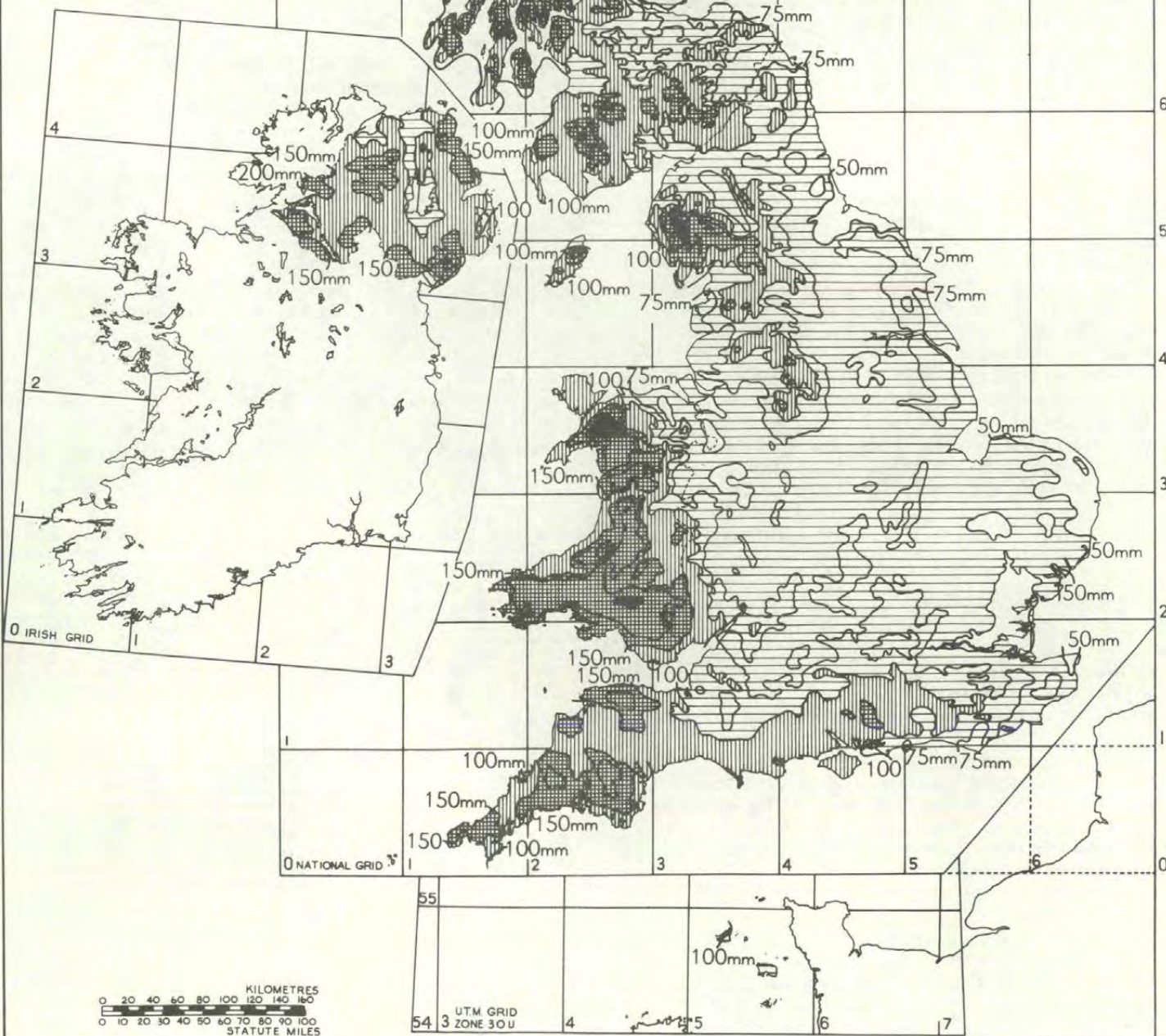
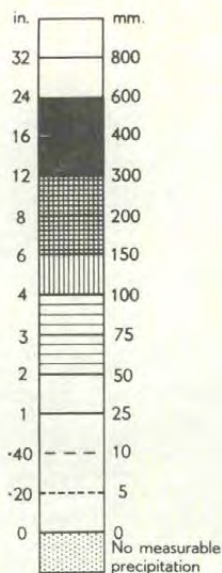
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# RAINFALL

JANUARY 1969

The equivalent values in inches  
are given in round numbers.  
The exact relation is 10 in. = 254 mm.





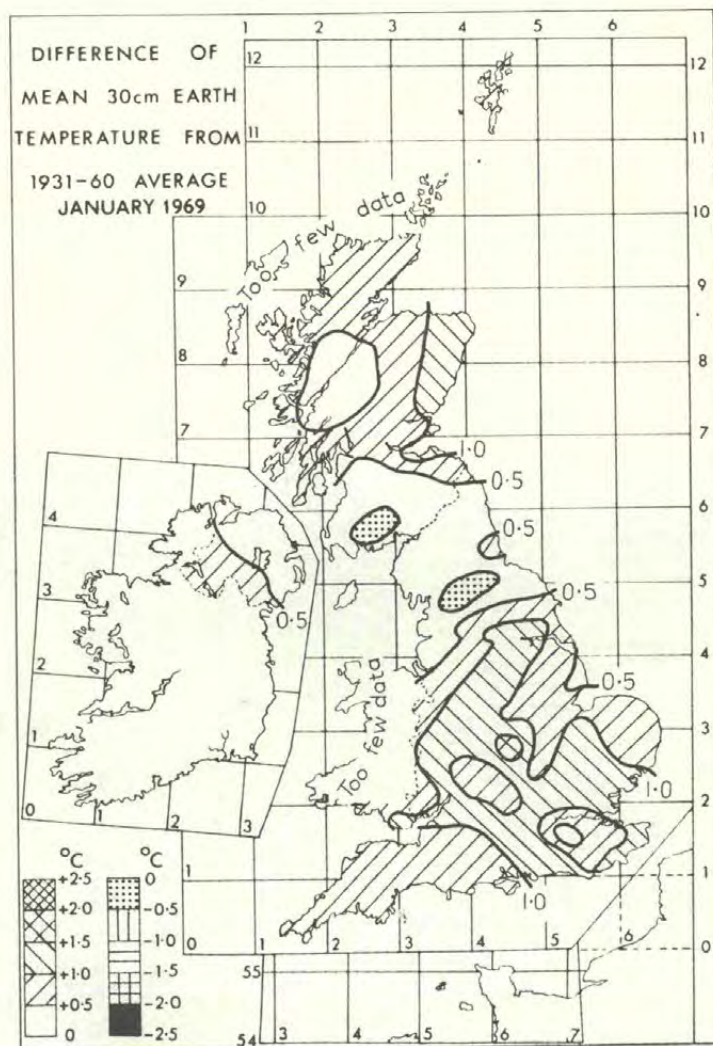
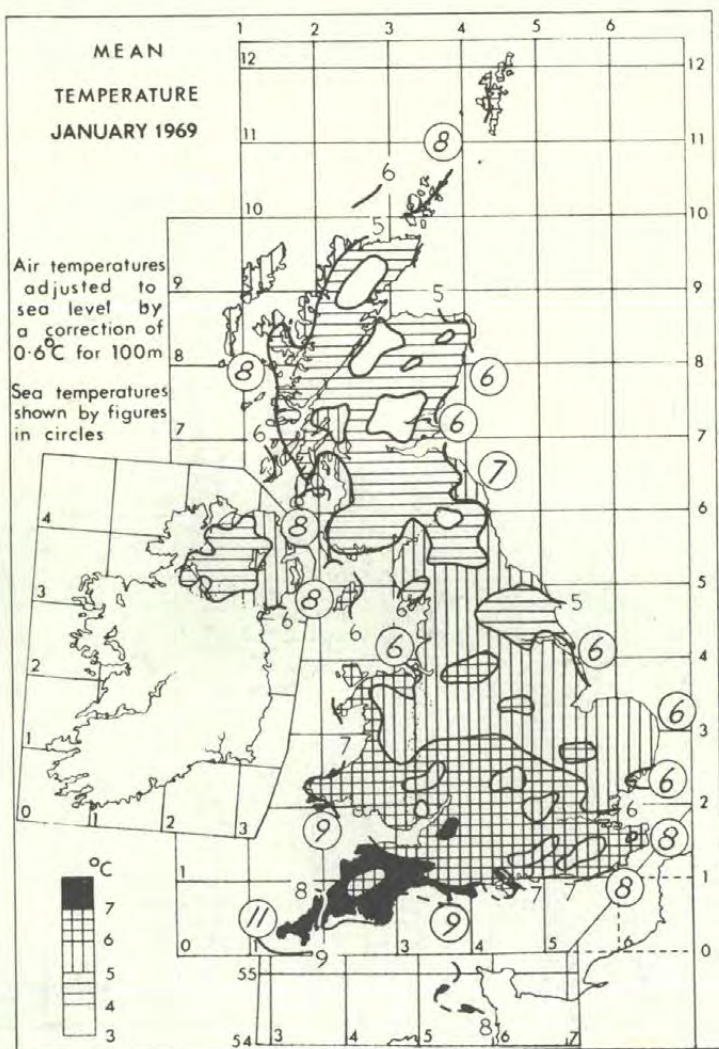
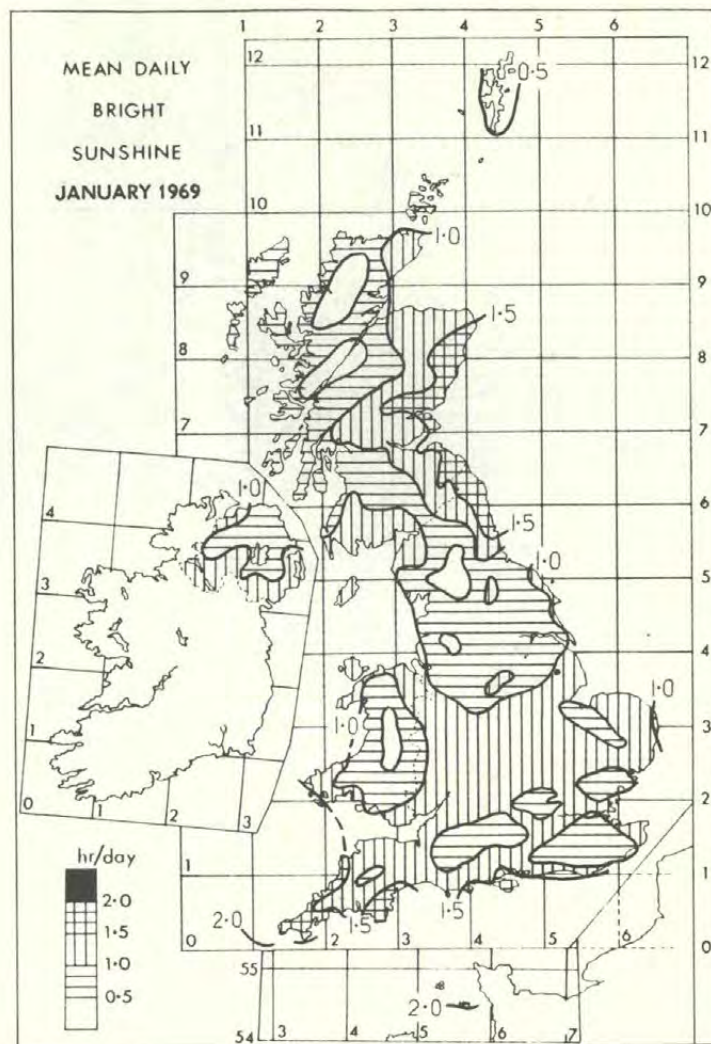
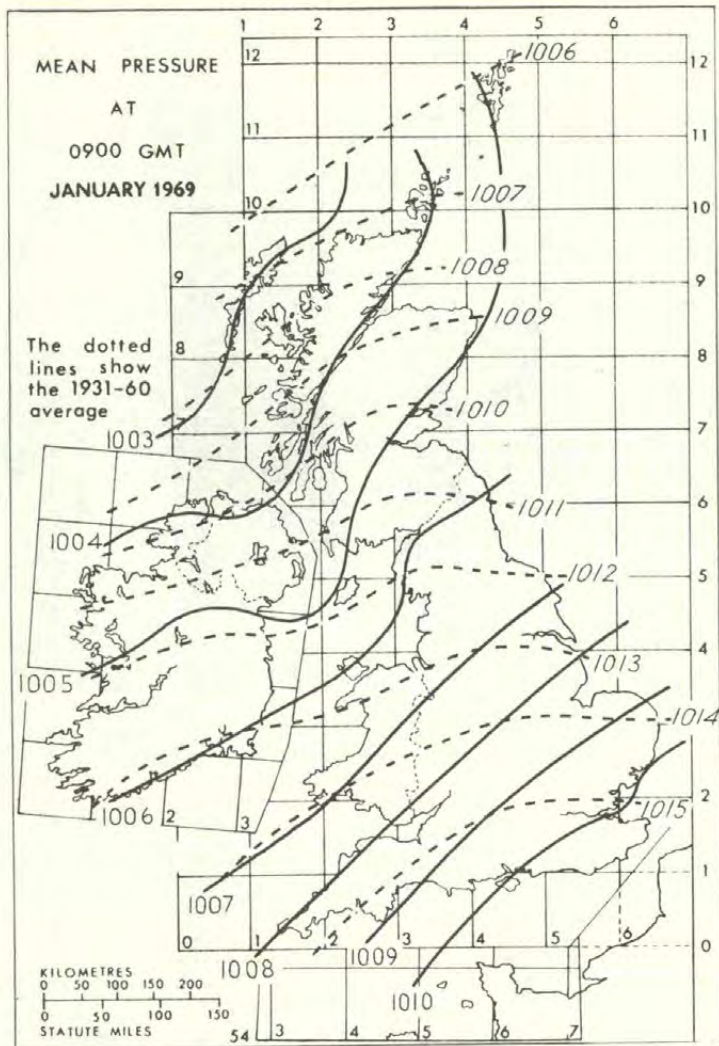




TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— JANUARY, 1969

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
			Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
						Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours				Veer from N	Speed in knots	Hour ended at day hour		Veer from N	Speed in knots	Day and Time																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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TABLE II (continued)—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— JANUARY, 1969

DISTRICT COUNTY AND PLACE		HEIGHT OF VANE IN METRES		DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES						
		Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST					
					Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours				Veer from N	Speed in knots		Hour ended at day hour	Veer from N	Speed in knots	Day and Time			
5. ENGLAND, S.E. — <i>contd.</i>																					
Wiltshire	Larkhill ... ..	145	13	10	-	0	3	16	228	415	85	0	9.0	210	26	17	21	210	50	17	2050
	Boscombe Down ... ..	130	16	16	-	0	6	44	317	303	80	0	10.8	160	30	17	14	280	47	18	0555
	Porton ... ..	120	10	10	-	0	5	45	345	249	78	27	11.5	230	32	17	21	230	46	17	2015
7a ENGLAND, N.W.																					
Cumberland	Sellafield ... ..	25	12	11	-	0	6	23	273	329	119	0	9.5	260	28	31	03	270	44	31	0235
	Carlisle ... ..	42	13	9	30	1	3	20	259	333	131	0	9.2	260	34	30	14	250	53	30	
	Spadeadam ... ..	292	16	15	-	0	4	15	265	309	155	0	9.0	240	26	30	11	260	54	30	2310
Westmorland	Great Dun Fell ... ..	857	10	10	21, 25, 27, 28, 30, 31	43	24	194	343	118	46	0	17.7	260	46	31	04	260	64	31	0320
Lancashire	Squires Gate ... ..	26	16	11	-	0	3	30	337	334	43	0	11.0	270	31	31	04	260	50	30	1750
	Aigburth ... ..	38	23	11	-	0	2	2	249	314	179	0	8.2	140	23	17	13	140	43	17	1320
	Southport ... ..	19	14	11	-	0	2	16	163	262	296	7	6.5	290	31	31	04	140	49	17	1620
	Fleetwood ... ..	34	15	9	-	0	6	31	243	349	121	0	9.4	260	32	31	04	140	49	17	1350
	Speke ... ..	30	10	10	-	0	5	15	262	306	161	0	8.9	140	25	17	13	140	46	17	1315
	Manchester/ W.Centre ... ..	82	45	17	-	0	0	0	243	435	66	0	8.8	260	21	31	03	250	43	31	0300
Cheshire	Bidston ... ..	80	20	12	-	0	9	45	274	379	46	0	-	270	29	31	04	270	56	30	2235
	Ringway ... ..	80	10	10	-	0	1	4	231	395	114	0	8.6	130	25	17	15	130	40	17	1410
7b NORTH WALES																					
Anglesey	Valley ... ..	26	16	12	17	3	14	133	394	175	39	0	14.7	150	36	17	13	150	50	17	1230
8a SOUTH WALES																					
Cardigan	Aberporth ... ..	135	13	11	16, 17, 18	14	13	119	415	159	37	0	15.1	140	41	17	11	140	61	17	1015
Pembroke	Milford Haven C.B. ... ..	47	10	10	17	2	8	36	404	204	98	0	11.8	250	35	17	20	190	56	17	1430
	Brawdy ... ..	130	20	14	16, 17, 18	12	13	117	374	189	52	0	14.5	150	44	17	11	150	65	17	1010
Glamorgan	Port Talbot ... ..	28	12	11	-	0	10	60	229	301	154	0	9.8	290	33	18	01	130	52	17	1130
	Rhosee ... ..	78	11	10	-	0	6	42	233	323	146	0	9.4	270	32	18	08	280	52	18	0550
8b ENGLAND, S.W.																					
Dorset	Portland Bill ... ..	58	47	47	6, 7, 9, 10, 12-14, 16-18, 31	95	21	197	305	111	36	0	19.8	260	57	17	22	260	77	17	2100
Devon	Mount Batten ... ..	64	13	13	17	9	6	48	344	253	90	0	11.7	240	44	17	19	240	62	17	1850
	Chivenor ... ..	19	13	10	17, 18	7	7	59	291	300	87	0	11.2	240	39	17	21	240	60	17	1945
Cornwall	Scilly ... ..	70	20	17	17, 18, 27	13	14	149	278	215	89	0	13.6	260	48	17	19	260	79	17	1850
	Lizard ... ..	96	23	18	9, 14-18	35	20	222	287	133	61	6	17.7	270	55	17	20	270	77	17	1940
	St. Mawgan ... ..	119	12	12	16, 17, 18	9	11	74	341	262	58	0	12.7	260	38	17	21	240	60	17	1750
9 NORTHERN IRELAND																					
Londonderry	Ballykelly ... ..	13	12	10	-	0	6	28	321	239	156	0	9.9	310	28	16	10	270	50	30	1435
Antrim	Aldergrove ... ..	80	10	10	-	0	2	2	323	311	108	0	9.6	140	24	17	12	270	43	30	1225
	Ballypatrick Forest ... ..	166	13	13	17	6	18	138	402	134	64	0	14.8	150	39	17	12	250	63	30	1505
	Belfast Harbour ... ..	21	18	18	-	0	9	44	286	266	126	22	10.5	240	30	30	14	240	49	30	1325
Down	Kilkeel ... ..	35	18	14	17	6	13	94	264	253	97	30	12.1	120	40	17	12	130	57	17	1110
	Orlock Head ... ..	51	16	12	7, 8, 17	10	12	128	392	180	34	0	14.7	120	37	17	14	120	61	17	1300
Armagh	Glenanne ... ..	144	10	10	-	0	0	0	183	410	161	0	7.3	240	19	30	15	260	35	30	1455
	Portadown ... ..	26	10	10	-	0	0	0	263	259	202	0	8.3	120	27	17	12	120	50	17	1055
Tyrone	Carrigans ... ..	129	10	10	-	0	4	20	263	259	202	0	8.3	120	27	17	12	120	50	17	1055
Fermanagh	Castle Archdale Forest ... ..	80	13	13	-	0	5	13	275	287	169	0	8.7	250	26	30	12	270	48	30	1400
CHANNEL ISLES																					
	Jersey Airport ... ..	109	26	15	16-18	12	13	101	395	218	18	0	14.2	310	40	16	06	280	66	17	2355

† Anemograph dismantled for re-erection. \* Defective record. ‡ Record ceased. § Incomplete record. ¶ Anemograph out of order. \*\* Record ceased temporarily.

TABLE III —SUMMARY OF DAILY OBSERVATIONS JANUARY, 1969

DISTRICT, COUNTY AND PLACE			Terminal hr. GMT of Observation	Max. Min.	Height of Station above MSL, metres	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
						MEANS OF		Daily Mean (mean of A & B)	Difference from 1931—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1916—50 average	Amount (mm.)	MOST IN A DAY	Precip'n 0.2 mm or more or more	Snow or Sleet Snow lying at thr.	Hail	Ice Pellets etc.	Thunder heard	Fog at thr.	Air Frost† Grass min. below 0°C	Concrete min. below 0°C.	Gale	Daily Mean (br.)	Percentage of 1931—60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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						Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)	Min. (B)	Max. (A)



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS JANUARY, 1969

DISTRICT, COUNTY AND PLACE	Max. Temp. hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days										BRIGHT SUNSHINE							
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1931—60 average	Amount (mm.)	Date	Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost† Grass min. below 0°C	Concrete min. below 0°C.	Gale	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure		
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date							0.2 mm or more	1.0 mm or more														
0 SCOTLAND, N. —contd.																																
Inverness																																
Benbecula ...	21-9	6	7.0	3.1	5.1	+0.4	10.4	23	-7.2	6	-	-	107	89	12	10	24	19	6	3	2	5	0	0	5	15	10	2	0.93	-	-	
Isle of Rhum €	99	5	7.3	2.6	4.9	-	11.7	23, 24	-6.1	6	4.7	6.9	181	66	25	20	23	23	4	4	2	2	0	0	5	19	-	2	-	-	-	
Prabost ...	99	67	6.6	2.1	4.3	-	10.6	23	-6.7	6	-	-	133	64	19	25	27	21	4	4	0	3	0	0	5	19	-	3	0.89	-	-	
Duntulm ...	99	90	6.8	3.1	4.9	+0.5	11.1	23	-3.9	6	-	-	112	76	19	14	27	24	7	3	5	0	0	0	3	12	-	2	0.71	65	S	
Onich ...	99	15	7.2	2.2	4.7	+1.1	11.7	23	-5.6	7	-	-	144	58	24	25	29	23	-	2	-	-	-	0	6	19	-	-	0.49	51	S	
Fort William €	99	8	7.4	1.7	4.5	-	11.7	23, 26	-8.9	6, 7	3.5	4.3	128	57	23	25	28	21	5	4	0	1	0	0	9	17	-	-	0.39	-	S	
Corpach ...	99	8	7.2	2.3	4.7	-	11.7	23, 26	-6.1	6	-	-	137	-	24	25	24	21	4	4	1	0	0	1	3	20	-	1	-	-	-	
Fort Augustus ...	99	21	6.6	1.6	4.1	+1.5	10.6	23, 26	-7.8	6	-	-	87	-	17	25	26	15	3	3	0	0	0	1	9	-	-	1	0.37	-	S	
Inverness ...	99	4	6.9	1.3	4.1	-	11.1	24, 26	-7.8	6	-	-	43	68	10	13	14	10	2	4	0	0	0	0	8	16	-	0	0.87	-	-	
Coire Cas Shieling	99	762	2.4	-1.4	0.5	-	8.9	20, 23	-8.3	6	-	-	-	-	-	-	-	-	14	25	-	-	-	-	24	-	-	-	-	-	-	
Cairngorm ...	99	1090	-0.3	-4.1	-2.2	-	(5.6)	23	-11.1	6	-	-	-	-	-	-	-	-	16	31	-	-	-	-	28	-	-	16	-	-	S	
Achnagoichan ...	99	305	5.3	-0.9	2.2	-	10.0	21, 23, 25	-11.1	6	2.8	-	68	69	12	7	18	17	-	-	-	-	-	-	17	27	-	-	-	-	-	
Glenmore Lodge	99	341	5.6	-1.1	2.3	+1.6	10.9	24	-10.5	6, 7	-	-	106	95	20	30	19	14	-	8	-	-	-	-	0	17	24	-	0.71	-	S	
1 SCOTLAND, E.																																
Nairn																																
Nairn ...	99	6	6.6	0.9	3.7	+0.6	12.8	25	-10.0	6	-	-	48	94	8	4	20	11	5	3	0	0	0	0	9	16	-	0	0.86	54	-	
Moray																																
Grantown-on-Spey	99	229	5.7	-2.3	1.7	-	11.1	21	-20.0	6	-	-	52	-	8	30	23	12	7	9	0	0	0	0	22	24	-	0	-	-	-	
Forres ...	99	47	6.6	1.7	4.1	+1.2	11.7	24	-8.3	6	3.2	4.6	55	118	11	4	20	13	2	3	0	0	0	0	3	10	-	0	1.10	63	-	
Kinloss ...	21-9	5	6.6	1.6	4.1	+1.0	12.0	25	-9.2	6	3.9	-	57	125	7	7	21	14	5	1	0	1	0	0	10	17	13	0	1.03	-	-	
Elgin ...	99	15	7.3	1.4	4.3	-	12.8	21	-7.8	7	-	-	61	121	10	7	20	14	1	3	0	0	0	0	6	21	-	0	1.16	-	S	
Lossiemouth ...	99	6	7.1	0.9	4.0	+1.2	11.7	25	-8.3	6, 7	-	-	52	109	6	12	22	15	6	0	2	0	0	0	7	25	-	0	-	-	-	
Gordon Castle ...	99	32	7.3	2.0	4.7	+1.6	12.8	21	-6.1	6, 7	-	-	64	107	17	7	18	13	3	3	1	0	0	-	4	-	-	1	1.23	85	-	
Banff																																
Glenlivet ...	21-9	215	5.4	1.0	3.2	-	11.6	24	-12.7	6	-	-	77	-	15	7	23	17	7	5	0	0	0	1	11	22	21	0	1.25	-	S	
Banff ...	99	24	6.9	2.9	4.9	-	11.1	21	-3.3	6	-	-	69	-	16	7	22	16	3	0	0	0	0	0	3	-	-	1	1.13	-	-	
Aberdeen																																
Braemar ...	99	339	5.6	-1.1	2.3	+1.7	8.9	21, 24, 25	-9.4	6	-	-	123	118	(28)	7	18	16	-	10	-	-	-	0	13	20	-	-	0.96	-	S	
Balmoral ...	99	283	4.9	-1.0	1.9	+1.3	10.0	24	-9.4	6	-	-	128	145	28	7	21	17	6	8	0	0	0	0	-	19	20	-	0	-	-	-
Dinnet ...	99	177	5.9	0.5	3.2	-	10.6	21	-8.9	6	2.8	-	-	-	-	-	-	-	-	-	-	-	-	0	11	22	-	-	1.62	-	-	
Gartley ...	99	160	6.1	0.8	3.5	-	10.0	21, 24	-7.2	6, 7	-	-	123	-	30	7	26	16	-	-	-	-	-	-	8	19	-	-	-	-	-	
Inverurie Swge. Wks.	99	54	6.7	1.1	3.9	-	10.0	2, 24	-4.4	6	-	-	128	-	28	7	22	18	6	3	0	0	0	2	10	18	-	0	1.61	-	-	
Fyvie Castle ...	99	66	6.4	0.6	3.5	-	11.7	21	-6.1	6	-	-	-	-	-	-	-	5	4	0	0	0	0	-	14	-	0	1.46	-	S		
Craibstone ...	99	91	6.4	1.9	4.1	+1.6	10.0	21	-3.9	6	3.9	4.9	143	186	32	12	23	16	6	3	0	2	0	1	4	10	-	0	1.65	92	-	
Dyce ...	21-9	58	6.6	2.3	4.5	+2.1	11.1	21	-3.6	6	-	-	131	164	29	12	21	15	6	3	0	3	0	1	8	15	14	0	1.66	-	-	
Aberdeen ...	99	52	6.6	2.1	4.3	+1.7	10.0	1, 2, 24	-2.2	6, 7	-	-	109	152	27	12	21	15	5	3	0	1	0	0	5	16	-	-	1.69	103	S	
Fraserburgh ...	21-9	18	6.7	3.9	5.3	-	11.5	21	-0.7	6	-	-	109	-	25	7	22	15	4	0	2	0	0	0	2	3	6	1	1.27	-	-	
Kincardine																																
Fettercairn ...	99	171	5.7	1.4	3.5	+1.8	9.4	22	-3.3	6, 7	-	-	176	202	35	12	26	19	5	4	0	0	0	3	9	23	-	1	1.27	-	S	
Strachan ...	99	120	6.5	0.8	3.7	-	11.1	21	-5.0	6	3.6	-	197	-	47	7	18	16	3	3	0	0	0	1	9	20	-	0	1.73	-	S	
Banchory ...	99	77	6.9	1.4	4.1	-	12.2	21	-3.9	7	-	-	150	-	29	7	20	16	6	5	1	0	0	0	10	14	-	0	-	-	-	
Angus																																
Mylnefield €	99	30	6.5	0.7	3.6	-	10.6	2, 25	-2.8	5, 18	3.1	5.2	104	153	18	12	20	14	5	3	0	0	0	0	14	25	-	1	1.90	-	-	
Dundee ...	99	45	6.6	1.3	3.9	+1.3	10.0	2, 25, 26	-2.2	17	3.2	-	109	152	20	12	22	14	2	2	0	0	0	2	10	21	-	1	1.92	-	-	
Glamis Castle ...	99	61	6.2	0.1	3.1	-	10.0	2, 25	-3.9	12, 17, 18	-	-	141	162	24</																	



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS JANUARY, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days												BRIGHT SUNSHINE				
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1910-50 average	Most in a Day		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date	0.2 mm or more	1.0 mm or more													
1 SCOTLAND, E. — contd.																																
Berwick — contd.																																
Marchmont ...	99	152	6.3	1.2	3.7	+1.4		9.4	22,24	-3.9	6,(7)	-	-	69	94	11	20,21	20	14	4	2	0	0	0	1	5	-	-	0	1.60	113	S
Whitchester ...	99	255	5.8	0.8	3.3	-		9.4	22,23	-5.0	6,7	-	-	99	128	23	12	22	14	9	6	1	0	0	-	10	-	-	4	-	-	-
St. Abb's Head	99	75	6.6	3.5	5.1	-		10.3	23	(-2.2)	17	-	-	-	-	-	-	-	-	4	1	0	0	0	1	2	3	-	1	-	-	-
Peebles																																
Stanhope Farm	99	226	5.8	0.9	3.3	-		10.0	20,21,23	-7.2	6	-	-	93	71	13	12	24	22	5	2	0	0	0	0	11	21	-	0	-	-	-
Blyth Bridge ...	99	253	5.6	0.7	3.1	-		10.6	21	-7.8	6	-	-	77	79	15	20	24	19	8	3	0	2	0	1	13	21	-	2	0.94	-	-
West Lynton ...	99	244	5.7	-0.6	2.5	-		10.6	21	-10.0	6	2.6	4.2	76	75	13	20	25	17	3	3	0	0	0	0	18	20	-	0	-	-	-
Glentress ...	99	177	6.5	1.0	3.7	-		(12.2)	21	-6.7	6,7	-	-	84	102	19	20	23	17	-	2	-	-	-	0	8	-	-	-	-	-	-
Selkirk																																
Bowhill ...	99	183	6.3	0.9	3.6	-		9.4	20,21,23	-3.9	7	-	-	82	87	13	12	22	13	6	2	0	1	0	1	13	-	-	0	-	-	-
Galashiels ...	99	198	6.0	1.2	3.6	-		10.0	21	-4.4	7	-	-	77	-	13	12	20	15	6	3	0	3	0	4	12	18	-	0	1.43	-	-
Roxburgh																																
Wauchope ...	99	171	6.3	-0.2	3.1	-		10.0	20,21,22	-7.2	6	-	-	71	79	12	21	23	14	5	4	0	0	0	2	18	-	-	2	-	-	-
Kelso ...	99	35	7.3	1.0	4.1	-		10.6	22,24,27	-2.8	17	-	-	66	-	13	21	16	13	4	3	0	1	0	0	12	24	-	0	1.40	-	S
Sourhope ...	99	274	5.9	0.9	3.4	+1.7		10.6	20,(22)	-6.1	6	-	-	-	-	-	-	-	-	5	1	0	0	0	1	13	19	-	0	1.53	-	-
6a SCOTLAND, W.																																
Argyll																																
Tiree §§	21-9	9	7.1	3.7	5.4	+0.1		10.3	24	-4.7	6	-	-	114	95	12	14	26	21	7	0	0	4	0	1	3	13	13	2	0.85	66	-
Rhuvaal ...	21-9	20	7.5	4.7	6.1	-		11.5	21	-0.8	6	-	-	137	85	28	12	28	21	4	0	2	0	0	0	1	5	2	4	-	-	-
Colonsay ...	99	27	7.2	2.3	4.7	+0.1		10.6	20,22	-3.3	17	-	-	123	84	22	14	27	20	1	-	1	0	0	1	3	-	-	0	-	-	-
Aros ...	99	37	7.2	1.9	4.5	-		11.7	23,24,25	-7.2	6	-	-	137	-	12	16	29	21	6	0	0	3	1	0	6	22	-	1	-	-	-
Craighouse ...	99	3	7.9	3.6	5.7	-		11.7	21	-1.1	6	-	-	133	-	11	26	26	22	-	0	-	-	-	0	1	4	-	-	-	-	-
Machrihanish ...	21-9	10	7.5	3.9	5.7	-		12.5	20	-1.8	6	-	-	112	-	14	10	26	20	5	0	1	3	0	1	4	8	3	0.87	-	-	-
Campbeltown ...	99	3	7.7	5.8	6.7	-		11.1	24	1.7	6,7	-	-	96	-	19	10	18	16	1	0	0	0	0	-	-	-	4	1.03	-	-	-
Achaglachgach ...	99	12	6.8	1.7	4.3	-		10.0	21,22,24	-2.2	6	-	-	198	114	26	12	28	26	5	-	1	0	0	0	6	16	-	0	-	-	-
Knapdale Forest ...	99	40	7.1	1.8	4.5	-		10.0	20,23,26	-5.0	6	-	-	131	-	19	4	27	24	1	2	2	0	2	0	6	15	-	4	-	-	-
Glenbranter ...	99	24	6.4	1.8	4.1	-		9.4	(1),8,26	-6.1	7	-	-	193	-	19	27	28	23	-	3	-	-	-	0	7	15	-	-	-	-	-
Glen Etive ...	99	24	7.0	1.7	4.3	-		11.1	25	-5.0	6	-	-	211	-	35	25	23	22	3	1	1	0	0	-	8	17	-	0	-	-	-
Benmore Y.B.G. *	99	12	6.8	2.2	4.5	-		10.0	1,21,25	-2.8	17	-	-	193	67	17	10	29	25	5	3	0	1	0	1	7	19	-	0	-	-	-
Bute																																
Kildonan ...	21-9	18	7.2	4.6	5.9	-		10.4	22	0.3	5	-	-	109	-	17	12	25	21	4	-	2	0	0	0	0	4	4	2	-	-	-
Brodick Castle ...	99	15	7.9	3.6	5.7	-		11.7	2,21	-1.1	17	4.5	-	161	-	21	10	28	24	6	3	3	0	1	0	1	12	-	0	-	-	-
Rothsay §§	99	43	7.0	3.3	5.1	+1.0		10.6	21,24,25	-0.6	5	4.3	5.8	120	79	15	10	26	23	9	1	0	2	0	0	1	13	-	0	(0.65)	(48)	S
Dunbarton																																
Finnart ...	99	15	7.1	3.0	5.1	-		10.6	21	-1.1	17	-	-	209	-	(33)	12	28	24	6	2	1	0	1	-	2	-	-	0	-	-	-
Helensburgh ...	99	89	5.8	1.8	3.8	+1.0		10.0	2,22,26	-2.8	7	-	-	115	69	18	12	20	20	4	-	0	0	0	2	8	-	-	0	0.78	70	-
Sloy ...	21-9	12	6.6	3.2	4.9	-		11.0	2	-2.2	17	-	-	239	-	27	30	26	22	7	-	2	0	1	0	3	-	-	1	-	-	-
Cumbernauld ...	99	94	6.5	1.0	3.7	-		13.3	24	-3.9	7	-	-	101	-	16	20	25	22	6	5	1	0	0	2	9	22	-	0	-	-	-
Stirling																																
Earl's Hill ...	21-9	335	4.1	1.1	2.6	-		9.7	25	-4.0	6	-	-	137	-	25	12	26	20	6	-	1	0	0	7	10	19	18	6	1.23	-	-
Stirling €	99	46	6.8	1.9	4.3	+1.4		10.6	21,24,25	-1.7	7,17,23	3.2	6.4	85	73	13	12	26	17	3	3	0	1	0	2	8	19	-	0	1.26	-	-
Falkirk Swge. Wks.	99	3	7.3	2.1	4.7	-		11.7	25	-1.7	17,18	-	-	86	-	14	20	23	18	3	2	0	0	0	1	8	-	-	0	1.03	-	-
Grangemouth ...	99	4	7.1	2.1	4.6	-		11.1	21,24,25	-1.1	6,20	-	-	77	-	13	20	23	16	2	2	0	0	0	1	3	12	-	0	-	-	-
Renfrew																																
Greenock ...	99	61	6.4	2.8	4.6	+0.8		10.0	21,23,25	-1.1	6,7	-	-	137	69	17	10	27	18	5	2	0	0	1	2	5	8	-	0	0.33	38	S
Paisley €	99	32	6.8	2.7	4.7	+1.2		10																								



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS JANUARY, 1969

DISTRICT, COUNTY AND PLACE		Max. Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPERATURE °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1916-50 average	Most in a Day Amount (mm)	Date	Precip'n 0.2 mm or more 1.0 mm or more	Snow or Sleet Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date																				30 cm.	122 cm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS JANUARY, 1969

DISTRICT, COUNTY AND PLACE	Max. Min. Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE			
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916-50 average	MOST IN A DAY		Precip'n 0.2 mm or more 1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost*	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure		
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date																
3 ENGLAND, E. — contd.																																
Essex																																
Harlow ...	99	79	8.1	2.9	5.5	-	12.2	22,23,25	-2.2	1	-	7.1	57	-	7	28	21	14	1	0	0	1	0	2	7	-	0	1.01	-	-	-	
Stansted ...	99	101	7.4	3.5	5.5	+2.5	12.2	22	-1.7	5, 17	-	-	58	100	7	12	16	12	2	0	0	0	0	3	7	10	-	0	-	-	-	
Writtle ...	99	32	8.2	2.5	5.3	-	12.8	22	-3.3	5	5.2	-	52	94	7	10	19	14	0	0	0	0	5	11	14	-	0	0.81	-	-	-	
Southend ...	99	27	8.9	3.5	6.2	+2.2	14.4	22	-1.1	1, 2	-	-	38	81	5	27	16	13	0	0	0	0	2	3	-	-	0	1.20	-	-	-	
Maldon ...	99	4	8.3	2.8	5.5	-	12.8	22	-3.9	5	-	-	44	-	7	16	23	11	1	-	0	0	0	3	9	-	0	-	-	-	-	
Earls Colne ...	99	49	8.4	2.8	5.6	-	13.9	22	-2.2	9, 10	5.2	6.8	45	75	6	12	14	13	-	0	-	-	2	8	12	-	-	-	-	-	-	
Shoeburyness §	21-9	2	8.0	4.5	6.3	+2.3	13.3	25	-1.1	5	-	-	42	90	8	15	15	10	2	0	0	1	0	2	1	12	-	0	1.24	72	-	
Clacton-on-Sea €	99	16	7.3	3.6	5.5	+1.8	10.6	23	-1.7	1	5.4	6.8	55	108	16	15	13	11	0	0	0	0	1	2	9	-	0	1.22	66	-	-	
Walton-on-Naze	21-9	5	7.2	3.7	5.5	-	12.6	22	-1.6	5	-	-	49	-	7	20	15	10	0	0	0	0	2	4	7	5	0	1.33	-	-	-	
Dovercourt ...	99	3	7.8	2.1	4.9	+1.2	11.1	23,25,27	-3.3	20	-	-	51	95	7	15	18	11	0	-	0	0	1	3	8	16	-	0	0.95	-	-	-
4 MIDLAND COUNTIES																																
Yorks., W. Riding																																
Slaidburn ...	99	192	6.2	1.3	3.7	-	9.4	2, 18	-4.4	6	-	-	133	75	47	20	23	20	4	0	0	1	0	6	11	16	-	0	0.65	-	-	-
Malham Tarn ...	99	395	4.6	0.8	2.7	-	9.4	21	-5.0	6	3.1	-	113	62	27	20	25	19	6	4	0	0	9	10	22	-	0	0.61	-	-	-	
Huddersfield §	99	99	-	2.4	-	-	-	-	-5.0	6	3.7	5.5	67	78	19	20	15	12	-	1	-	-	6	8	13	-	-	0	0.92	112	-	-
" Oakes	21-9	235	6.2	2.6	4.4	-	11.3	21	-3.6	6	3.2	5.1	88	86	26	20	25	12	3	1	0	3	0	4	7	12	11	1	0.93	72	-	-
Bradford €	99	134	6.9	2.2	4.5	+1.6	12.2	21	-3.9	6	4.1	5.8	70	78	20	20	19	10	3	0	2	3	0	7	8	14	-	0	-	-	S	-
Ilkley ...	99	96	6.9	1.8	4.3	+1.5	12.8	21	-5.0	6	-	-	-	-	-	-	-	-	3	0	1	1	0	4	7	-	0	-	-	-	-	
Sheffield ...	99	131	7.8	2.9	5.3	+1.7	13.3	25	-3.9	6	4.4	6.5	85	110	18	20	14	13	3	0	0	0	0	7	13	-	0	0.93	79	-	-	
Pontefract ...	99	78	7.2	2.4	4.8	+1.7	12.2	21	-2.2	6, 7	-	-	60	109	18	20	15	8	2	0	0	0	11	7	9	-	0	-	-	-	-	
Bramham ...	99	54	7.1	1.9	4.5	-	12.2	21	-3.3	6	-	-	71	143	24	20	15	9	2	0	0	0	5	9	13	-	0	0.89	-	-	-	
Cawood ...	99	6	7.3	2.0	4.7	-	12.8	21	-2.8	6	4.3	5.7	68	115	23	20	13	11	0	1	0	0	4	10	17	-	0	0.87	-	-	-	
Askham Bryan ...	99	34	7.1	1.9	4.5	-	11.1	22, 24	-3.3	6	-	-	69	110	25	20	17	12	2	1	0	0	8	9	14	-	0	1.02	74	-	-	-
Derby																																
Buxton €	99	307	5.5	1.9	3.7	+1.8	10.6	21, 22	-4.4	6	3.5	4.6	127	91	26	20	24	13	3	2	0	0	6	10	10	-	0	-	-	-	-	
Ashover ...	99	186	6.7	2.4	4.5	-	11.7	21	-2.8	6, 17	-	-	85	-	21	12	16	13	4	1	0	2	0	6	8	16	-	0	1.19	-	-	-
Derby ...	99	48	8.1	3.3	5.7	-	12.8	22	-1.7	17	-	-	58	85	19	20	17	10	1	-	0	0	4	7	11	-	0	0.94	-	-	-	
Morley ...	99	107	(7.4)	(2.6)	(5.0)	-	11.7	21, 23, 24	-2.2	17	-	-	64	88	15	20	17	14	2	0	0	0	7	13	-	0	1.08	-	-	-	-	
Wingerworth ...	99	126	7.2	2.4	4.8	-	11.7	21, 22	-3.3	6	4.2	-	82	-	18	12	22	14	5	1	0	3	0	3	8	13	-	0	-	-	-	-
Nottingham																																
Sutton Bonington	99	48	8.0	3.1	5.5	+2.4	12.8	22	-1.7	6, 9	5.2	6.4	58	106	11	20	18	12	0	0	0	0	4	9	13	-	0	1.07	79	-	-	
Watnall ...	21-9	117	7.3	3.3	5.3	+2.1	12.3	22	-2.1	17	-	-	74	109	17	20	18	15	5	0	0	3	0	6	8	14	9	0	0.83	58	-	-
Mansfield ...	99	110	6.9	2.9	4.9	+1.9	11.7	22	-2.8	6	4.4	-	63	93	15	20	15	14	0	2	0	0	3	6	10	-	0	-	-	-	-	
Nottingham §	99	59	8.1	3.6	5.9	+2.4	12.8	22	-1.1	17	4.2	5.1	62	108	17	20	18	14	0	0	0	0	5	4	9	-	0	0.96	77	-	-	
Warsop ...	99	46	7.8	2.7	5.3	-	12.2	22	-2.2	6, 17	-	-	53	98	11	20	16	13	-	0	-	-	5	9	14	-	0	0.98	-	-	-	
Finningley ...	21-9	10	7.8	3.4	5.6	+2.3	13.1	22	-2.4	17	-	-	47	-	16	20	13	8	2	0	0	0	5	6	9	8	0	0.73	-	-	-	-
Leicester																																
Newtown Linford	99	119	7.3	2.5	4.9	-	12.2	22	-3.3	17	-	-	68	108	14	12	18	11	1	1	0	0	4	7	13	-	0	1.13	-	-	-	
Caldecott ...	99	53	8.2	2.6	5.4	-	12.8	22, 23	-2.8	1	-	-	62	115	10	15	16	12	-	0	-	-	7	9	13	-	-	1.04	-	-	-	
Northampton																																
Bugbrooke Mills	99	69	(8.1)	3.0	(5.5)	-	12.2	22	-2.8	1	5.2	6.6	69	125	11	12	24	12	0	1	0	0	2	8	-	-	0	1.30	-	-	-	
Raunds §	99	59	7.8	2.7	5.3	+2.4	12.2	22	-2.2	1, 17	4.4	7.1	75	142	19	15	23	12	3	1	0	0	1	4	8	9	-	0	1.08	75	-	-
Wittering ...	99	65	7.5	3.4	5.5	+2.2	12.5	22	-2.4	17	-	-	73	138	25	15	16	11	4	1	0	1	0	5	4	13	10	0	1.30	-	-	-
Warwick																																
Birmingham K.E.S.*	99																															



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS JANUARY, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE					
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm	122 cm.	Total fall (mm.)	Percentage of 1931-60 average	Amount (mm)	Date	Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost† Grass min. below 0°C	Concrete min. below 0°C.	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure		
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date							0.2 mm or more	1.0 mm or more														
4 MIDLAND COUNTIES — contd.																																	
Hereford																																	
Lyonshall ...	99	155	7.6	2.9	5.3	+2.0	11.7	21,22	-2.2	1,17	-	-	109	123	30	17	24	17	-	-	-	-	-	-	6	19	-	-	-	-	-	-	-
Ross-on-Wye	21-9	68	8.2	4.1	6.1	+1.9	12.7	22	-5.2	1	5.4	7.0	64	86	20	17	22	18	3	0	0	0	1	3	5	13	-	0	1.09	63	-	-	
Preston Wynne	99	84	8.0	2.5	5.3	-	12.8	22	-5.0	1	-	-	73	114	22	17	20	15	2	0	0	0	0	2	8	17	-	0	1.19	-	-	-	
Gloucester																																	
Filton ...	21-9	59	8.4	4.6	6.5	+2.3	12.6	22	-2.5	9	-	-	78	101	17	17	20	14	0	0	0	0	2	3	4	7	4	0	1.21	-	-	-	
Hempsted ...	99	12	8.8	3.7	6.3	-	12.8	21	-2.8	9	6.0	7.9	61	87	20	17	18	14	2	0	0	0	0	2	6	9	-	0	1.29	-	-	-	
Gloucester ...	21-9	24	8.8	5.2	7.0	-	13.4	21	-2.3	1	-	-	50	-	13	17	18	13	3	0	0	0	1	2	3	8	5	0	1.29	-	-	-	
Cheltenham ...	99	65	8.3	3.9	6.1	+2.3	12.8	21	-3.3	1	-	-	68	108	17	17	20	16	-	-	-	-	-	2	-	-	-	-	1.21	-	-	-	
Cirencester ...	99	135	7.9	2.4	5.1	-	11.7	21	-5.6	1	-	-	71	83	10	17	22	14	1	0	1	0	1	10	6	13	-	0	1.14	-	-	-	
Little Rissington	21-9	226	6.9	3.0	4.9	-	10.7	22	-3.0	17	-	-	71	-	16	17	20	13	5	3	0	1	1	7	5	12	8	0	1.25	-	-	-	-
5 ENGLAND, S.E.																																	
Greater London																																	
Kensington Palace	99	25	8.9	4.1	6.5	+2.1	12.8	22,23,25	-1.1	1	5.5	6.6	63	109	9	28	20	15	0	0	0	0	0	5	6	11	-	0	-	-	-	-	
Hampstead ...	99	137	8.1	3.5	5.8	+2.7	11.8	25	-1.4	1	-	-	68	-	9	28	19	13	0	1	0	0	0	-	3	12	-	0	1.10	81	S	-	
St. James's Park	99	4	(9.2)	4.6	(6.9)	(+2.3)	12.8	21,23,26	-0.6	1	-	-	59	-	8	28	19	15	0	0	0	0	0	-	2	12	-	0	-	-	-	-	
Camden Square	99	34	9.2	4.4	6.8	+2.5	15.0	22	0.0	1,7,17	4.3	-	56	-	9	28	19	14	-	1	-	-	-	-	0	-	-	-	-	-	-	-	
London/W.Centre	99	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.21	122	-	-	
Greenwich ...	99	7	9.2	3.1	6.1	-	13.3	22,23	-2.2	1	-	-	50	99	9	15	18	12	0	0	0	0	0	1	8	13	-	0	0.91	83	-	-	
Heathrow ...	21-9	25	8.5	4.1	6.3	+2.5	12.6	22	-2.5	1	-	-	72	-	10	12	18	14	1	0	0	1	0	2	4	12	7	0	1.05	-	-	-	-
Hampton ...	99	12	8.8	3.7	6.3	-	13.3	23	-1.7	1	-	-	69	130	9	12	21	13	0	0	0	0	0	4	4	14	-	0	1.13	-	-	-	-
Wealdstone ...	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.92	-	-	-	
Southgate ...	99	67	8.7	3.7	6.2	-	12.2	21,23,25	-1.1	1,9	5.7	-	67	114	10	12	21	14	2	1	0	0	0	3	7	15	-	0	0.75	-	-	-	-
Kew	21-9	5	8.5	4.3	6.4	+2.1	13.0	23	-2.8	5,9	5.1	6.7	65	118	8	28	19	14	1	0	0	0	0	3	6	10	8	0	1.17	79	-	-	-
Waddon ...	99	67	-	3.8	-	-	-	-	-2.8	1	-	-	71	109	10	17	16	14	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Addington ...	99	144	8.1	3.3	5.7	+2.3	12.8	23	-1.7	1	-	-	79	114	10	17	20	14	-	-	-	-	-	0	4	-	-	-	-	-	-	-	-
Bromley ...	99	65	-	2.2	-	-	-	-	-2.8	1	-	-	64	112	9	11	18	14	-	1	-	-	-	1	7	-	-	-	-	-	-	-	-
Surrey																																	
Gatwick ...	21-9	59	8.0	3.4	5.7	+2.3	12.2	23	-4.4	1,5	-	-	95	122	14	17	20	18	2	0	0	1	0	2	11	10	8	0	0.64	-	-	-	-
Wisley	99	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mickleham ...	99	55	(8.1)	(2.5)	(5.3)	-	12.8	23	-5.0	5	-	-	93	121	18	12	19	15	-	1	-	-	-	1	12	12	-	-	-	-	-	-	-
Kent																																	
Dartford ...	99	5	9.2	3.4	6.3	-	13.3	23,25	-1.7	5	-	-	55	109	10	10	18	13	0	0	0	1	0	1	6	-	-	0	-	-	-	-	-
Hadlow College	99	27	8.6	2.5	5.5	-	12.8	25	-2.8	1,6	5.6	6.9	75	-	11	27	19	13	0	0	0	0	0	3	12	15	-	0	0.78	-	-	-	-
Gillingham ...	99	4	8.8	3.7	6.3	-	14.4	26	-1.1	6,9	-	-	56	101	10	17	15	12	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-
Isle of Grain ...	99	3	9.1	4.7	6.9	-	12.8	25	0.0	5,7	-	-	39	-	6	27	16	10	0	0	0	0	0	1	0	8	-	0	1.03	-	-	-	-
Dungeness ...	21-9	3	8.5	4.7	6.6	+2.2	11.2	23	-2.1	1	-	-	69	112	16	17	17	15	0	0	0	0	0	2	1	-	-	2	-	-	-	-	-
Whitstable ...	99	3	8.7	4.1	6.4	-	13.3	25	-1.1	17	-	-	62	126	14	15	15	12	1	0	0	0	0	1	6	-	-	2	1.19	-	-	-	-
Folkstone ...	99	39	8.1	4.3	6.2	-	11.7	23	0.0	6,7,17	-	8.4	58	89	10	17	17	11	0	0	0	0	0	2	0	5	-	3	0.99	-	-	-	-
Elmstone ...	99	9	8.1	3.1	5.6	-	11.7	25	-2.2	9	-	-	57	-	10	17	15	10	-	-	-	-	-	1	7	8	-	-	-	-	-	-	-
Herne Bay ...	99	6	8.4	4.4	6.4	-	12.8	22	0.0	17	-	-	60	115	13	15	14	11	1	0	0	0	0	1	1	-	-	0	1.16	-	-	-	-
Dover ...	99	6	8.6	4.6	6.6	+2.1	11.1	22,23	-2.2	18	6.1	6.9	54	76	13	15	15	12	1	0	1	0	0	0	1	2	-	0	1.32	-	-	-	-
Deal ...	21-9	5	8.1	5.2	6.7	-	12.6	25	0.1	1	-	-	67	-	11	15	15	12	0	1	0	0	0	2	0	4	3	0	-	-	-	-	-
Manston ...	21-9	44	7.7	4.1	5.9	-	12.2	25	-1.9	17	-	-	49	100	8	27	13	11	2	0	0	1	0	2	4	7	-	0	-	-	-	-	-
Ramsgate ...	99	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Margate	99	16	8.3	4.6	6.5	+1.9	12.2	25	0.0	7	-	7.1	48	101	8	22	13	11	0	0	0	0	0	2	0	-	-	0	-	-	-	-	-
West Malling	99	93	8.1	2.3	5.2	-	13.2	23	-4.7	5	-	-	69	-	11	27	18	12	1	0	0	1	0	2	9	17	12	0	0.91	-	-	-	-
Goudhurst ...	99	85	8.0	2.8	5.4	-	12.2	23	-2.8	1,17	-	-	85	97	14	17	20	13	0	0	0	1	0	0	9	16	-	0	-	-	-	-	-
East Malling	99	37	7.6	3.2	5.4	+1.9	13.3	23	-3.9	5	4.9	6.4	70	111	10	27	21	12	1	0	0	0	0	2	6	14	-	0	0.84	53	-	-	-
Throwley ...	99	150	7.5	3.1	5.3	-	11.1	23,25	-1.7	17	4.9	6.2	83	134	17	15	15	14	2	0	0	1	0	6	5	14	-	3	0.71	-	-	-	-
Faversham ...	99	48	8.2	3.5	5.9	-	12.8	25	-1.1	6,7	5.3	6.3	75	-	14	15	15	12	1	0	0	0	0	2	4	13	-	0	1.01	-	-	-	-
Wye ...	99	56	8.2	3.5	5.9	+2.5	12.2	25	-1.7	1,17	5.2	5.6	73	97	15	17	18	12	1	0	0	0	0	6	7	13	-	0	0.70	61	-	-	-
Sussex																																	
Thorney Island	21-9	3	8.4	4.3	6.3	-	11.3	22	-3.2	1	-	-	96	126	12	12	19	16	1	0	0	1	2	2	7	9	7	0	1.16	-	-	-	-
Bognor Regis ...	99	7	8.3	4.0	6.1	+1.5	10.6	22,23	-1.7	1	-	7.7	90	112	13	17	22	17	0	0	1	0	0	1	4	9	-	0	1.55	69	-	-	-
Fernhurst ...	99	57	8.4	2.6	5.5	-	11.7	21,22,26	-5.0	5	4.9	-	115	118	19	12	25	17	0	0	0	0	0	-	9	15	-	0	0.93	-	-	-	-
Littlehampton	99	5	8.6	4.0	6.3	+1.9	10.6	23	-2.2	1,5	-	7.4	74	96	9	12	20	19	1	0	0	0	0	2	4	-	0	1.31	59	-	-	-	-
Rustington ...	99	3	8.7	3.5	6.1	-	10.6	21	-2.2	1,5	-																						



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS JANUARY, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days												BRIGHT SUNSHINE				
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total (all mm.)	Percentage of 1910-50 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frosty	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date	0.2 mm or more	1.0 mm or more													
5. ENGLAND, S.E. — contd.																																
Hampshire — contd.																																
Southsea ¶	99	2	8.8					12.2	26	-0.6	1	6.1	7.8	104	133	19	13	20	17	0	0	0	0	0	1	1	11	-	1	1.43	69	-
Hayling Island ...	99	4	8.4	4.3	6.3	-		11.1	22	-1.1	1.5	-	-	95	-	14	15	22	17	0	0	2	0	1	0	3	-	0	1.35	-	-	
Long Sutton ...	99	156	7.9	2.6	5.3	+2.2		11.1	21,22,25	-2.8	1	-	-	115	136	19	12	20	15	1	0	0	0	1	4	7	16	-	1	0.91	55	S
Alice Holt Lodge	99	115	8.0	2.8	5.4	-		11.1	21,25,27	-2.8	17	-	-	120	141	19	12	25	16	0	0	0	0	4	10	15	-	0	1.11	-	-	
S. Farnborough	99	69	8.5	3.1	5.8	+2.1		12.1	22,25	-4.0	1	-	-	99	143	18	12	19	16	1	1	0	1	0	3	7	11	9	0	1.19	73	-
Isle of Wight																																
St. Catherine's Pt.	99	16	9.0	4.3	6.7	+1.5		12.0	21	0.5	1	-	-	101	119	13	27	22	17	0	-	0	0	1	0	0	-	3	-	-	-	
Ventnor *	99	135	8.9	4.9	6.9	+1.6		11.7	21,22	0.0	1	6.1	7.8	113	122	15	15	21	17	0	0	0	0	1	2	0	4	-	2	1.86	79	-
Shanklin ...	99	55	8.8	4.8	6.8	-		13.3	21	-1.1	1,17	-	-	116	111	17	15	22	17	0	-	2	0	1	0	3	-	0	1.61	-	-	
Sandown ...	99	4	9.3	4.4	6.9	+1.6		13.3	21	-1.7	1	-	-	103	116	14	12,15	20	16	0	0	2	0	1	0	1	-	-	1.64	-	-	
Ryde ...	99	5	9.4	4.7	7.1	+2.0		13.9	21	-0.6	1,17	-	-	112	129	22	12	23	17	0	0	1	0	0	0	3	-	-	4	1.60	78	-
Wiltshire																																
Lacock ...	99	49	8.6	3.1	5.9	-		12.2	21,22	-3.3	9	-	-	63	86	11	17	22	15	-	0	-	-	-	4	5	13	-	-	-	-	
West Lavington	99	93																														
Lyneham ...	21-9	145	7.7	3.7	5.7	+2.3		11.6	22	-4.3	1	-	-	57	81	12	17	17	12	4	0	0	0	1	4	4	12	11	1	1.15	-	-
Larkhill ...	99	132	8.5	3.0	5.7	+2.4		12.2	22,23	-5.7	1	-	-	84	118	13	17	21	16	0	0	0	0	0	2	4	8	8	0	-	-	-
Boscombe Down	21-9	126	8.1	3.4	5.7	+2.1		12.1	23	-5.3	1	-	-	86	116	14	17	21	15	3	0	0	0	0	6	6	11	9	0	1.12	62	-
Upavon ...	21-9	176	7.3	3.0	5.1	-		11.8	22	-5.1	1	-	-	72	93	9	17	23	15	4	0	0	3	0	8	6	10	8	1	-	-	
Porton ¶	99	111	8.4	2.3	5.3	+2.0		12.0	22	-5.9	2	4.4	-	95	127	14	17	20	15	-	0	-	-	-	6	9	11	-	-	1.04	55	-
7a. ENGLAND, N.W.																																
Cumberland																																
Sellafield ...	99	13	(7.5)	3.1	(5.3)	-		10.0	21,23	-2.2	7	-	-																			
Carlisle ...	21-9	26	7.1	3.2	5.1	-		12.1	20	-4.0	6	-	-	94	-	31	20	22	15	4	0	2	0	0	0	7	13	12	0	1.02	-	-
Newton Rigg ¶	99	171	6.2	1.6	3.9	+1.5		11.1	21	-6.1	6	3.1	-	71	70	15	20	22	16	-	1	-	-	-	0	9	18	-	-	0.96	71	-
Spadeadam €	99	274	4.9	0.8	2.9	-		9.4	20,21	-5.6	6	2.9	4.1	113	-	21	20	27	16	5	0	1	1	0	11	14	16	-	0	0.63	-	-
Westmorland																																
Ambleside ...	99	46	6.9	1.8	4.3	-		10.0	2,20,21	-5.6	6,7	-	-	189	80	60	20	26	26	3	0	1	0	0	1	10	-	0	-	-	S	
Great Dun Fell	21-9	847	(1.2)	(-1.1)	(0.1)	-		6.3	22	-6.6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	24	23	-	-	0.44	-	-	
Moor House ...	99	556	3.1	-0.9	1.1	-		7.8	20,21	-10.6	6	1.7	-	149	66	24	20	28	25	-	11	-	-	-	8	19	20	-	-	0.37	-	-
Lancashire																																
Squires Gate ...	21-9	10	7.4	3.6	5.5	+1.8		11.6	21	-4.0	6	-	-	70	86	25	20	23	12													
Aigburth ...	99	14	8.1	3.5	5.8	-		12.6	21	-1.7	16	4.3	7.3	62	-	19	20			1	0	0	1	0	2	6	11	-	0	1.12	-	-
Southport ...	99	5	7.7	2.6	5.1	-		13.3	21	-2.9	6	4.7	7.8	62	78	23	20	23	13	-	0	-	-	-	2	8	11	-	-	1.00	-	-
Poulton-le-Fylde	99	12	7.5	3.6	5.5	-		11.7	21	-1.7	6	-	-							0	-	0	0	0	4	4	-	-	0	-	-	
Grizedale ...	99	91																														
Speke ...	21-9	22	7.7	3.6	5.7	-		12.8	21	-3.2	6	-	-	59	81	16	20	23	14	5	0	1	2	0	4	7	11	9	0	0.97	-	-
Kirkham ...	99	24	7.3	2.5	4.9	-		11.7	21	-2.8	1,6	-	-	78	85	28	20	21	14	2	0	2	0	0	5	6	10	-	0	1.01	-	-
Garstang ...	99	21	7.7	2.8	5.3	-		11.7	21	-2.8	1	-	-	63	64	30	20	14	11	-	0	-	-	-	3	6	10	-	-	(0.84)	-	-
Bailrigg ...	99	54	7.4	2.2	4.8	-		11.3	21	-2.2	18	-	-	82	-	29	20	22	16	-	0	-	-	-	3	8	16	-	-	0.81	-	-
Morecambe ...	99	7	7.2	3.3	5.3	+1.6		11.1	20,21	-2.2	6,7	-	-	79	80	30	20	23	17	2	0	0	0	0	2	3	-	-	0	0.93	62	-
Penketh ...	99	15																														
Preston ...	99	33	7.6	2.9	5.3	-		12.2	21	-3.3	6	-	-	78	80	25	20	23	16	3	0	0	2	0	7	7	10	-	0	-	-	
Bolton ...	99	107	7.0	2.4	4.7	-		11.7	21	-3.3	16	4.3	-	120	-	41	20	20	16	-	0	-	-	-	5	10	13	-	-	0.56	-	-
Stonyhurst ¶	99	115	6.8	(2.2)	(4.5)	(+1.5)		11.7	21	-2.8	6	-	-	113	90	43	20	23	12	-	0	-	-	-	3	8	11	-	-	0.60	44	-
Manchester/W. Centre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Helmshore ...	99	260	5.8	1.9	3.9	-		10.0	20,21	-3.3	16	4.1	-	131	77	47																



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS JANUARY, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE				
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1910-50 average	MOST IN A DAY		Precip'n 0.2 mm or more 1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost† Grass min. below 0°C	Concrete min. below 0°C.	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure		
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date															
8a. SOUTH WALES.																																
Cardigan																																
Aberporth ...	21-9	133	7.7	4.5	6.1	+1.0	11.6	23	-0.5	17	-	-	107	91	17	17	24	18	4	0	2	3	0	0	2	10	7	3	1.12	-	-	
Aberystwyth																																
Frongoch ...	99	138	7.8	3.3	5.5	+1.0	11.7	20,21	-2.2	1,6	-	-	123	131	21	20	21	17	4	0	0	1	2	1	5	14	-	0	0.83	46	-	
Gogerddan ...	99	31	8.7	3.7	6.2	-	12.8	20	-3.9	1	-	-	128	125	25	20	24	17	0	0	1	0	0	0	4	13	-	0	0.91	-	-	
Swyddffynnon	99	165	7.7	2.9	5.3	-	11.7	20,21	-5.6	1	-	-	164	119	32	17	28	22	-	0	-	-	-	0	5	17	-	-	0.79	-	-	
Trawscoed ...	99	61	8.4	3.3	5.9	-	12.2	21	-5.0	1,6	6.4	-	138	111	23	17	20	18	0	0	0	0	0	0	5	-	-	0	0.95	-	-	
Llety-evan-hen	99	290	6.6	3.1	4.9	-	10.6	20,21	-7.7	6,7	-	-	170	114	39	20	24	19	3	0	1	0	0	2	5	13	-	1	0.75	48	-	
Cwmystwyth ...	99	301	-	2.1	-	-	-	-	-5.0	1	-	-	202	-	34	17	21	21	-	2	-	-	-	-	8	13	-	-	-	-	-	
Pembroke																																
Dale Fort ...	99	33	9.4	5.4	7.4	-	13.3	17	0.6	7,17	6.8	-	172	-	23	19	26	21	2	0	0	0	0	4	0	2	-	2	1.75	-	-	
Milford Haven C.B.*	21-9	37	8.9	5.4	7.1	-	11.0	20	-0.5	7	-	-	186	-	23	20	24	19	3	0	0	0	0	4	1	2	-	3	-	-	-	
Brawdy ...	99	110	8.2	3.8	6.0	-	11.7	27	-1.1	7	-	-	198	149	36	20	28	25	3	0	0	1	2	5	4	9	-	4	1.35	-	-	
Orielton ...	99	61	8.9	4.6	6.7	-	11.1	22	-0.6	6	6.4	-	207	-	32	19	27	22	3	0	1	0	0	4	3	16	-	0	-	-	-	
Haverfordwest ...	99	8	8.9	3.9	6.4	-	11.7	20,22,23	-3.3	6	-	-	205	-	43	20	24	20	2	-	0	0	0	0	9	-	-	0	1.22	-	-	
Carmarthen																																
Carmarthen ...	99	15	9.1	3.4	6.3	-	12.2	20,21	-3.9	1	5.6	-	217	-	43	20	27	20	3	1	1	0	1	2	6	18	-	5	1.42	-	-	
Cenarth Mill ...	21-9	282	6.3	2.4	4.3	-	11.5	21	-5.9	1	-	-	128	-	26	17	27	18	-	0	-	-	-	2	12	14	-	-	-	-	-	
Radnor																																
Llandrindod Wells	99	235	6.8	2.1	4.5	+1.7	11.1	21,22	-6.1	1	4.5	-	128	110	30	7	23	20	3	0	2	0	1	0	9	-	-	0	0.54	42	S	
Brecknock																																
Llwynon ...	99	262	6.9	2.1	4.5	-	10.6	20,21	-4.4	17	-	-	235	-	40	17	27	23	4	0	0	0	0	2	8	-	-	0	-	-	-	
Glamorgan																																
Mumbles ...	21-9	36	8.3	4.1	6.2	-	11.0	23	-2.0	6	-	-	-	-	-	-	-	0	0	1	0	2	3	2	5	3	7	-	-	-	-	
Penmaen ...	99	82	8.3	4.2	6.3	-	11.1	22	-0.6	1	-	-	166	-	26	7	27	22	1	0	1	0	2	4	2	11	-	1	-	-	-	
Swansea ...	99	8	8.8	4.4	6.6	+1.3	11.7	22	-1.7	1	5.1	7.4	175	146	25	7	25	21	0	0	0	0	1	0	3	-	-	0	0.90	52	S	
Port Talbot ...	99	7	9.3	4.3	6.8	-	12.8	21	-3.3	1	-	-	166	146	21	7	25	22	0	0	3	0	2	2	4	6	-	-	1.13	-	-	
Neath ...	99	62	8.9	4.3	6.6	-	12.2	21	-2.2	1	-	-	160	119	33	7	25	21	2	0	1	0	2	1	3	11	-	0	-	-	-	
Rhoose ...	21-9	67	8.2	4.1	6.1	-	12.5	21	-4.3	1	-	-	126	130	14	22	21	18	3	0	2	1	2	4	2	9	6	1	1.25	70	-	
Cardiff ...	99	62	8.6	4.0	6.3	+1.9	12.8	22	-2.2	1	6.0	7.4	139	119	16	15	24	20	0	-	0	0	0	2	3	17	-	-	-	-	-	
Monmouth																																
Tredegar ...	99	313	6.7	2.1	4.4	-	10.6	21,22	-5.0	17	-	-	205	112	42	17	23	22	7	4	0	2	1	6	9	21	-	2	0.78	-	-	
Newport ...	99	23	8.4	3.2	5.8	+1.7	11.7	21,22	-4.4	1	-	-	134	117	15	17	22	21	1	0	1	0	2	2	4	13	-	0	1.19	-	-	
Usk ...	99	21	8.8	2.9	5.9	-	12.8	21	-5.0	1	5.1	-	133	117	23	17	23	19	1	0	0	0	0	2	6	11	-	0	1.30	-	-	
Crumbland ...	99	245	7.1	2.6	4.9	-	10.6	21,22	-2.2	17	4.4	5.6	94	84	22	17	23	17	1	0	0	0	1	8	6	10	-	2	1.33	-	-	
8b. ENGLAND, S.W.																																
Somerset																																
Hawkrigde ...	99	314	7.1	2.6	4.9	-	11.1	21	-3.9	1	-	-	176	104	26	17	27	22	7	1	4	0	1	5	10	13	-	0	1.08	-	-	
Williton ...	99	96	9.2	3.9	6.5	-	13.3	21	-3.3	1	5.3	-	150	-	28	17	19	19	1	0	1	1	0	0	6	16	-	2	-	-	-	
Cannington ...	99	29	9.2	3.8	6.5	-	13.3	21	-3.3	2	6.6	-	83	112	14	17	19	13	-	-	-	-	-	3	4	8	-	-	1.32	72	-	
Weston-super-Mare	99	9	8.9	4.7	6.8	+2.0	12.8	21,22	-1.7	1	-	-	95	124	14	17	19	16	2	0	0	1	1	3	2	8	-	5	1.12	62	-	
Cricketer Malherbie	99	76	9.3	4.0	6.7	-	13.3	22	-3.9	1	-	-	96	-	17	7	24	12	1	-	0	2	2	2	3	7	-	1	-	-	-	
Cheddar ...	99	11	9.3	4.1	6.7	-	12.2	21,22,27	-3.9	1	6.2	-	97	-	13	7	20	13	-	-	-	-	-	6	9	-	-	-	-	-	-	
Yeovilton ...	21-9	18	9.2	3.9	6.5	-	13.1	21	-3.3	1	-	-	74	-	13	17	20	15	1	0	2	0	2	4	6	10	8	2	-	-	-	
Rodney Stoke ...	99	40	9.1	3.9	6.5	-	13.3	20	-5.0	1	5.6	7.3	89	-	12	15	21	15	-	0	-	-	-	3	4	8	-	-	-	-	-	
Long Ashton ...	99	49	8.9	4.0	6.5	+2.2	13.3	22	-3.3	1	5.4	-	79	90	18	17	22	14	1	0	1	0	2	3	4	16	-	0	1.07	68	-	
West Camel ...	99	27	9.6	3.2	6.4	-	13.3	21	-3.3	1,2,17	-	-	74	-	12																	



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS JANUARY, 1969

DISTRICT, COUNTY AND PLACE	Max. Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days												BRIGHT SUNSHINE					
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-40 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1910-50 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C.	Concrete min. below 0°C.	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure	
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date																
9. NORTHERN IRELAND																																
Londonderry																																
Loughmore Forest	9 9	174	6.2	0.2	3.2	-	11.0	24	-10.5	6	-	-	101	-	15	7	31	24	9	6	0	0	0	0	11	19	-	-	-	-	-	
Ballykelly	21-9	2	7.4	3.0	5.2	+0.8	13.0	24	-5.6	6	5.0	7.0	86	95	13	17	26	21	6	0	0	2	0	1	7	15	11	0	1.13	72	-	
Derrynoyd Forest	9 9	88	6.8	1.2	4.0	-	11.9	24	-7.5	6	-	-	145	-	20	7	29	21	5	3	0	0	0	3	11	22	-	-	-	-	-	
Somerset Forest	9 9	43	7.4	1.5	4.5	-	12.5	24	-9.0	6	-	-	91	-	10	12	27	24	2	0	0	0	0	2	9	12	-	-	-	-	-	
Coleraine	9 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Garvagh Forest	9 9	88	6.7	1.2	3.9	-	12.8	24	-6.7	6	4.6	7.2	131	-	14	12	30	24	7	3	1	0	0	0	10	15	-	-	-	-	-	
Moneydig	21-9	34	7.0	2.1	4.5	+0.8	11.8	24	-8.1	6	4.7	-	89	84	10	26	27	23	7	2	0	3	0	3	8	17	12	0	-	-	-	
Antrim																																
Portrush Golf Club	9 9	9	-	-	-	-	-	-	-	-	-	-	83	-	10	12	27	20	-	-	-	-	-	-	-	-	-	-	0.93	-	-	
Ballymoney	9 9	55	7.6	1.9	4.7	-	12.2	24	-6.7	6	-	-	88	-	11	12	27	23	6	-	0	0	0	0	7	-	-	-	-	-	-	
Lisnafillan	9 9	38	7.3	1.2	4.3	-	12.2	24	-6.7	6	-	-	103	-	15	20	25	21	2	2	0	0	0	0	5	11	15	-	-	0.94	-	
Aldergrove	21-9	69	6.7	2.7	4.7	+1.0	11.9	24	-6.1	6	4.6	7.1	102	106	20	7	24	16	8	2	0	0	1	6	12	11	0	0.90	62	-		
Greenmount	9 9	32	7.2	1.8	4.5	-	12.8	24	-6.1	6, 7	4.2	-	106	-	22	7	26	17	3	2	0	0	0	-	8	15	-	-	-	-	-	
Altnahinch	9 9	226	5.7	1.6	3.7	-	10.6	23	-7.2	6	-	-	183	-	31	7	29	25	7	4	2	0	0	1	8	19	-	5	0.73	-	-	
Parkmore Forest	9 9	235	5.9	1.4	3.7	-	10.6	20, 23	-6.7	6	4.5	-	205	-	32	12	28	26	7	4	0	0	0	6	10	20	-	2	-	-	-	
Black Mountain	21-9	295	5.7	1.8	3.7	-	10.0	21, 24	-5.0	6	-	-	126	-	21	7	28	17	6	3	0	0	0	16	11	-	-	-	-	-	-	
Lowtown	9 9	271	5.4	1.3	3.3	-	10.0	20, 23, 24	-5.0	6	3.9	-	198	-	50	7	28	23	5	4	0	0	0	4	11	18	-	-	0.76	-	-	
Ballypatrick Forest	9 9	152	6.5	2.3	4.4	-	11.5	23	-5.4	6	-	-	194	-	40	12	29	24	6	2	2	0	0	0	6	13	-	8	0.82	-	-	
Belfast, Malone*	9 9	35	7.3	1.9	4.6	-	12.2	24	-4.4	6, 7	4.4	-	126	-	24	7	23	16	4	-	1	0	0	5	10	20	-	-	1.00	-	-	
Newtownabbey	9 9	32	7.7	2.7	5.2	-	12.2	20, 24	-4.4	6	4.8	-	113	-	18	7	22	17	6	1	1	0	0	3	6	13	-	0	1.14	-	-	
Woodburn, North	9 9	217	5.8	1.1	3.5	-	10.6	20, 24	-3.9	6	-	-	134	103	20	20	25	19	6	2	0	0	0	5	13	16	-	-	-	-	-	
Larne	9 9	43	7.7	2.3	5.0	-	12.2	20, 24	-3.9	6	-	-	140	121	25	7	27	21	5	2	1	0	0	1	7	-	-	-	-	-	-	
Kilroot	9 9	22	7.8	1.8	4.8	-	11.1	20, 24	-3.3	6, 17	-	-	109	-	17	7	22	17	2	1	0	0	0	10	21	-	-	-	-	-	-	
Ballylumford	9 9	24	7.9	3.1	5.5	-	12.2	20	-1.1	17, 20	-	-	130	-	25	10	25	18	1	-	0	0	0	0	5	9	-	-	-	-	-	
Down																																
Hillsborough	9 9	116	6.9	1.9	4.4	+0.7	11.7	24	-5.0	7	5.0	6.6	116	122	23	7	17	16	3	1	0	0	0	0	3	8	17	-	-	0.85	55	-
Kilkeel	21-9	18	7.9	3.8	5.9	+0.9	10.5	21, 22	-4.0	6	-	-	143	-	27	10	21	14	2	0	0	0	0	0	4	9	8	1	1.48	-	-	
Tollymore Park	9 9	76	7.5	2.5	5.0	-	12.2	20	-5.0	6	-	-	222	152	45	12	25	18	3	0	0	0	0	0	2	8	15	-	-	-	-	-
Rosetta	9 9	24	7.2	2.3	4.7	-	12.2	20, 21, 24	-4.4	6, 7	-	-	131	-	23	17	23	14	2	0	0	0	0	3	9	-	-	-	-	-	-	
Murlough	9 9	9	7.9	1.7	4.8	-	11.7	20, 21	-6.1	6	4.6	6.1	144	-	27	10	22	14	4	1	0	1	0	2	11	16	-	1	1.59	-	-	
Stormont Castle	9 9	56	7.2	2.2	4.7	-	11.7	20	-5.0	6	4.2	6.1	127	124	20	7	22	15	3	0	0	0	1	9	8	22	-	0	1.15	-	-	
Downpatrick	9 9	21	7.3	2.1	4.7	-	10.6	20, 21	-5.0	(6)	-	-	129	-	24	10	21	13	2	-	0	0	0	2	8	11	-	-	-	-	-	
Creighton's Green	9 9	119	6.4	2.2	4.3	-	11.1	20	-3.9	6	-	-	135	-	23	10	20	15	4	0	0	0	0	3	8	16	-	-	-	-	-	
Reagh Island**	9 9	12	7.5	2.8	5.1	-	11.7	21	-3.3	6	-	-	95	-	13	7, 10	21	14	-	-	-	-	-	1	6	14	-	-	-	1.31	-	
Helen's Bay	9 9	43	6.9	2.7	4.8	-	11.7	20	-2.8	6	-	-	123	-	23	10	23	16	3	1	0	1	0	4	6	16	-	1	1.30	-	-	
Killough	21-9	15	7.5	3.6	5.5	-	10.5	21	-4.0	6	-	-	113	-	18	10	19	16	1	0	1	0	0	1	4	8	-	4	-	-	-	
Ballyhalbert	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.19	-	-	
Armagh																																
Armagh	9 9	62	7.1	2.2	4.7	+0.6	11.7	20, 24, 25	-3.3	15	4.8	6.3	111	133	21	7	27	18	4	3	0	0	0	0	4	8	18	-	1	0.95	60	-
Loughgall	9 9	25	7.4	1.9	4.7	-	12.8	24	-3.9	15	-	-	108	141	17	7	28	18	6	2	0	1	0	3	10	20	-	0	1.12	-	-	
Glenanne	21-9	134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bessbrook	-	76	-	-	-	-	-	-	-	-	-	-	130	124	20	7	25	19	-	-	-	-	-	-	-	-	-	-	-	1.28	72	-
Portadown	9 9	16	7.6	2.3	4.9	-	12.2	20	-3.3	5	5.3	7.5	97	-	13	17	25	17	1	-	0	0	0	0	8	14	-	0	-	-	-	-
Lurgan	9 9	55	7.4	2.3	4.9	-	12.8	24	-4.4	6	4.3	6.3	89	-	12	17	22	17	-	-	-	-	-	-	8	16	-	-	1.01	-	-	
Tyrone																																
Lough Bradan	9 9	169	5.9	0.4	3.2	-	11.1	24	-10.0	6, 7	-	-	167	-	31	15	30	26	-	5	-	-	-	6	11	20	-	-	0.99	-	-	
Baronscourt Forest	9 9	88	7.0	1.4	4.2	-	12.4	24	-10.8	6	-	-	147	-	21	10	28	23	6	5	0	0	0	0	3	8	21	-	-	-	-	-
Strabane Convent	9 9	44	7.5	1.7	4.6	-	12.0	24	-9.3	6	-	-	127	-	16	15	26	26	5	4	2	0	0	0	4	8	22	-	0	0.89	-	-
Carrigans	21-9	113	6.5	2.5	4.5	-	12.4	24	-11.3	6	-	-	143	-	18	15	31	23	7	5	1	1	0	3	7	13	11	1	-	-	-	-
Lislap Forest	9 9	209	5.8	-0.3	2.7	-	10.6	20, 23, 24	-11.7	6	4.2	-	166	123	22	10	29	26	8	7	0	0	0	4	15	20	-	-	-	-	-	-
Knockmany Forest	9 9	73	7.1	0.8	3.9	-	12.1	24	-9.2	6	-	-	157	-	26	15	30	24	7	5	0	0	0	1	12	19	-	-	-	-	-	-
Pomeroy Forest	9 9	165	6.2	0.4	3.3	-	11.1	20, 24	-7.2	6	4.1	-	151	-	19	7	29	22	8	8	1	0	0	13	15	22	-	-	-	-	-	-
Cookstown	9 9	77	6.8	1.3	4.1	-	12.2	24	-7.8	7	4.5	-	125	124	16	20	26	19	5	-	0	0	0	5	10	20	-	-	1.13	-	-	
Fermanagh																																
Roscor	9 9	143	6.9	2.1	4.5	-	12.1	24	-7.2	7	-	-	151	127	24	15	31	27	5	4	3	0	1	2	9	16	-	-	-	-	-	-
Lough Navar Forest	9 9	148	6.6	1.4	4.0	-	1																									



\* See Notes on Tables in the Introduction.



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JANUARY, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)					VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-19 m.	40-100 m.	200-300 m.	400-500 m.	1000-1900 m.	2000-3900 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JANUARY, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)					VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION																
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-39 m.	40-190 m.	200-390 m.	400-590 m.	1000-1900 m.	2000-3900 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
																									SPEED IN KNOTS														
																									8 or more	4-7	4-5	1-3	Calm										
																									34 or more	22-33	11-21	1-10	0										
Number of Observations																																							
3. ENGLAND, E.—contd.																																							
Mildenhall [Suffolk]																																							
12	3	1009.1	-	5.5	0.6	8.3	90	6.9	1	1	3	5	20	1	0	0	1	0	3	10	6	9	2	0	0	0	7	23	1	0	0	4	4	10	6	5	1		
	9	1009.2	-5.0	5.3	0.6	8.3	91	6.8	1	1	2	13	14	0	0	0	2	1	2	6	13	5	2	0	0	0	8	21	2	0	0	2	6	11	6	4	0		
	15	1008.5	-	7.3	1.0	8.8	85	6.7	0	1	5	13	10	2	0	1	0	1	1	5	13	6	4	0	0	0	8	22	1	2	0	0	9	6	7	6	0		
	21	1008.8	-	5.9	0.7	8.5	90	5.8	3	4	3	5	14	2	0	1	0	2	1	4	15	6	2	0	0	0	6	24	1	0	0	1	6	11	5	6	1		
Wattisham [Suffolk]																																							
91	3	1009.6	-	4.6	0.4	8.1	94	6.1	2	3	4	6	15	1	0	1	1	5	10	7	5	1	0	0	1	12	18	0	0	0	1	6	9	6	8	1			
	9	1009.7	-	4.3	0.3	8.0	94	6.4	1	2	3	13	11	1	0	2	0	2	3	8	11	3	2	0	0	2	13	16	0	0	0	1	6	12	3	6	3		
	15	1009.0	-	6.2	0.8	8.5	88	7.0	0	0	2	17	11	1	0	1	0	0	3	8	8	9	1	1	0	1	17	13	0	0	0	1	7	7	5	8	3		
	21	1009.3	-	4.8	0.4	8.2	93	6.3	2	3	2	8	15	1	0	1	0	2	3	7	13	4	1	0	0	0	9	22	0	0	0	2	3	14	3	6	3		
Aldeburgh [Suffolk]																																							
9	3	1009.9	-	-	-	-	-	5.9	5	1	3	5	13	4	0	2	2	0	0	1	16	10	0	0	0	4	8	17	2	0	0	1	5	3	9	7	4		
	9	1010.1	-	-	-	-	-	6.5	1	4	2	4	17	3	1	2	0	0	0	9	13	6	0	0	5	9	16	1	0	0	2	3	7	8	8	2			
	15	1009.4	-	-	-	-	-	7.0	0	2	3	6	19	1	0	1	1	1	0	5	18	5	0	0	1	5	10	15	0	0	0	1	5	9	7	7	2		
	21	1009.5	-	-	-	-	-	5.7	8	0	1	3	17	2	0	0	1	1	0	1	16	12	0	0	1	3	12	14	1	0	0	1	1	9	8	9	2		
Wytton [Hunts]																																							
43	3	1008.8	-	5.3	0.5	8.3	91	6.4	2	2	3	8	15	1	0	0	2	1	4	6	12	5	1	0	0	0	9	17	5	0	0	3	3	8	7	4	1		
	9	1008.8	-	5.3	0.6	8.2	91	7.0	0	2	0	17	10	2	0	2	0	2	3	7	11	3	3	0	0	0	8	19	4	0	0	3	3	10	6	5	0		
	15	1008.1	-	7.2	1.2	8.5	83	6.6	0	1	6	12	11	1	0	1	0	1	1	6	11	7	3	1	0	1	9	19	2	0	0	1	6	9	3	7	3		
	21	1008.5	-	5.6	0.6	8.3	90	6.1	4	2	1	8	14	2	0	2	0	1	2	8	10	6	2	0	0	0	6	20	5	0	1	1	4	10	6	4	0		
Cardington [Bedford]																																							
29	3	1009.0	-	5.1	0.3	8.5	95	6.1	2	4	1	7	17	0	0	0	1	2	1	5	11	9	2	0	0	1	8	21	1	1	0	3	4	10	5	7	0		
	9	1009.0	-5.5	5.2	0.4	8.4	94	6.6	0	3	1	17	10	0	0	1	0	1	4	4	13	7	1	0	0	0	10	21	0	0	0	4	5	8	8	5	1		
	15	1008.2	-	7.4	1.0	8.9	86	6.9	0	1	2	15	12	1	0	1	0	0	1	2	12	13	2	0	0	0	9	22	0	1	0	1	6	8	8	4	3		
	21	1008.7	-	5.6	0.5	8.6	94	6.2	2	4	2	4	19	0	0	0	0	2	3	2	13	11	0	0	0	0	9	21	1	0	2	2	2	9	7	8	0		
Stansted [Essex]																																							
102	3	1009.5	-	5.0	0.4	8.3	94	6.0	5	1	2	7	15	1	0	0	1	3	4	7	7	7	2	0	0	0	7	22	2	0	0	3	6	8	6	4	2		
	9	1009.6	-	4.8	0.3	8.3	94	6.6	0	2	4	12	13	0	0	0	3	0	5	7	11	2	3	0	0	0	10	18	3	1	0	3	6	9	2	7	0		
	15	1008.8	-	6.6	0.8	8.7	88	7.0	0	0	4	15	12	0	0	0	2	0	1	7	10	6	5	0	0	0	13	16	2	1	0	1	7	7	6	1			
	21	1009.1	-	5.4	0.5	8.5	73	6.3	3	1	3	6	17	1	0	0	1	1	3	8	13	5	0	0	0	0	8	22	1	0	0	2	6	8	6	7	1		
Shoeburyness [Essex]																																							
5	9	1009.8	-5.3	5.8	0.6	8.5	91	6.5	0	2	4	17	8	0	0	1	0	1	1	9	11	7	1	0	0	1	16	14	0	1	0	1	8	9	4	5	3		
	15	1009.2	-	7.2	1.1	8.7	85	7.0	0	1	1	15	14	0	0	0	0	2	3	6	10	8	2	0	0	2	16	11	2	0	0	1	6	8	7	5	2		
	21	1009.4	-	6.1	0.7	8.6	90	5.6	1	5	5	9	11	0	0	0	0	4	1	4	14	6	2	0	0	1	13	16	1	0	0	1	5	12	4	6	2		
Walton-on-Naze [Essex]																																							
8	3	1010.1	-	5.1	0.5	8.2	92	6.2	2	2	5	5	16	1	0	2	0	2	0	5	20	2	0	0	0	1	18	19	3	0	0	3	4	10	6	5			
	9	1010.1	-	5.2	0.5	8.2	92	6.3	0	2	7	9	13	0	0	1	0	1	1	7	16	5	0	0	0	0	14	14	3	0	0	0	4	8	5	8	3		
	15	1009.6	-	6.1	0.8	8.4	89	7.1	0	0	4	12	15	0	0	1	0	1	7	18	4	0	0	0	0	1	10	19	1	1	0	0	4	9	7	5	4		
	21	1010.4	-	5.4	0.5	8.3	92	5.6	6	2	3	2	17	1	1	0	0	3	1	3	21	2	0	0	0	2	10	18	1	0	0	1	10	9	6	4			
4. MIDLAND COUNTIES																																							
Huddersfield Oakes [Yorks, W.R.]																																							
234	3	1006.4	-	3.2	0.5	7.2	92	6.6	1	1	5	6	18	0	0	0	3	5	1	4	11	3	4	0	0	1	8	17	5	2	3	0	2	1	9	8	1		
	9	1006.7	-	3.7	0.4	7.6	93	6.5	0	1	8	8	11	3	0	1	2	1	4	3	13	3	4	0	0	0	9	17	5	0	0	4	2	3	6	8	3		
	15	1006.7	-	5.1	0.6	8.0	90	6.5	0	3	3	11	11	3	1	2	0	3	0	6	14	4	1	0	0	1	12	16	2	0	1	2	3	3	5	15	0		
	21	1006.2	-	4.3	0.4	7.9	93	6.7	2	1	2	7	17	2	1	1	2	2	2	12	7	3	0	0	1	8	18	4	0	1	1	3	4	6	10	2			
Watnall [Nottingham]																																							
119	3	1007.9	-	4.6	0.4	8.1	94	6.5	2	2	3	7	17	0	0	0	2	2	4	3	8	9	3	0	0	0	9	19	3	1	2	3	1	7	9	5	0		
	9	1007.9	-5.8	4.8	0.4	8.2	94	7.0	0	1	3	10	16	1	0	2	1	3	8	6	9	2	0	0	0	0	10	16	5	0	1	4	2	7	5	7	0		
	15	1007.1	-	6.5	0.9	8.4	86	6.3	0	4	4	9	13	1	0	1	1	0	7	6	11	3	2	0	0	0	11	17	3	0	0	2	6	5	7	8	0		
	21	1007.6	-	5.2	0.5	8.3	92	5.9	4	2	3	9	12	1	0	1	0	2	5	15	2	1	0	0	0	0	8	21	2	0	0	3	9	7	7	0	3		
Finningley [Nottingham]																																							
14	3	1007.6	-	4.8	0.5	8.1	93	5.7	4	1	7	6	10	3	0	1	1	3	0	8	14	3	1	0	0	0	10	19	2	1	0	1	4	9	4	7	3		
	9	1007.5	-5.6	5.0	0.5	8.2	93	7.2	0	0	4	13	11	3	0	3	0	2	4	8	10	3	1	0	0	1	8	19	3	1	0	1	5	9	2	6	4		
	15	1006.9	-	7.1	1.0	8.7	86	6.5	0	3	2	15	10	1	0	1	0	1	4	6	14	4	0	1	0	1	13	14	3	0	1	0	7	5	4	6	5		
	21	1007.2	-	5.5	0.6	8.4	91	5.5	2	6	3	8	12	0	0	0	0	3	3	9	14	2	0	0	0	0	10	18	3	0	0	0	4	10	5	4	5		
Wittering [Northampton]																																							
67	3	1008.5	-	4.7	0.5	8.0	93	6.0	5	1	3	7	15	0	0	0	0	2	6	9	7	6	1</																



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JANUARY, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION																		
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-1/10 m	10-1/10 m	200-1/10 m	400-1/10 m	1000-1/10 m	2000-1/10 m	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
																									34 or more	22-33	11-21	1-10	0													
																																						8 or more	4, 7	4, 5	1-3	Calm
Number of Observations																																										
4. MIDLAND COUNTIES — contd.																																										
Little Rissington [Gloucester]																																										
229	3	1008.7	-	4.3	0.3	8.0	94	6.6	3	2	0	4	17	5	0	2	1	4	1	2	11	2	4	4	0	1	11	18	1	2	1	2	3	6	7	8	1					
	9	1008.6	-5.8	4.4	0.4	7.9	93	6.8	0	1	3	16	7	4	0	4	2	1	2	3	4	5	8	2	0	1	13	16	1	1	0	2	6	4	9	7	1					
	15	1007.8	-	6.0	0.8	8.3	87	6.6	0	1	6	13	10	1	0	2	1	0	0	3	8	6	6	5	0	4	11	14	2	2	0	1	6	2	11	6	1					
	21	1008.3	-	4.7	0.5	8.0	92	6.5	0	3	3	10	13	2	0	1	0	3	2	2	8	6	4	5	0	2	13	16	0	0	0	3	4	7	8	6	3					
5. ENGLAND, S.E.																																										
Heathrow [Greater London]																																										
26	3	1009.5	-	5.6	0.6	8.4	91	6.5	3	1	1	12	13	1	0	0	1	1	1	7	10	8	3	0	0	1	8	21	1	0	0	2	4	11	4	7	2					
	9	1009.5	-	5.7	0.6	8.4	89	6.8	0	1	4	14	11	1	0	1	0	1	4	5	10	8	2	0	0	0	11	19	1	0	0	3	6	9	4	8	0					
	15	1008.8	-	7.6	1.3	8.7	82	7.1	0	0	1	20	10	0	0	0	0	0	0	8	10	8	5	0	0	1	15	14	1	0	0	2	4	8	6	8	2					
	21	1009.1	-	6.2	0.7	8.5	89	6.1	3	1	3	12	12	0	0	0	0	0	1	9	12	8	1	0	0	0	11	20	0	0	0	3	13	6	4	2						
Kew [Greater London]																																										
10	9	1009.8	-5.3	5.8	0.9	8.3	88	6.4	0	2	6	10	12	1	0	2	0	1	3	3	11	6	5	0	0	0	6	23	2	0	0	2	5	8	8	6	0					
	15	1009.1	-	7.8	1.5	8.7	81	6.7	0	0	5	16	10	0	0	0	0	0	1	6	11	5	7	1	0	0	8	23	0	0	0	1	3	10	7	7	3					
	21	1009.4	-	6.4	1.0	8.5	87	6.0	3	1	3	14	10	0	0	0	0	0	4	5	11	7	4	0	0	0	3	28	0	0	0	3	3	10	6	7	2					
Gatwick [Surrey]																																										
59	3	1010.0	-	4.9	0.4	8.3	93	6.5	3	1	2	7	17	1	0	1	2	2	1	7	8	9	1	0	0	1	4	22	4	1	0	4	2	7	7	3	3					
	9	1010.2	-	5.2	0.5	8.4	92	7.2	0	0	2	16	12	1	0	1	0	1	6	6	8	7	2	0	0	0	9	17	5	0	0	2	2	7	8	5	2					
	15	1009.4	-	7.2	1.0	8.9	86	6.9	0	1	4	14	12	0	0	0	0	1	3	3	11	7	6	0	0	1	9	20	1	2	0	1	2	9	8	7	1					
	21	1009.7	-	5.6	0.5	8.5	92	6.6	2	1	4	6	17	1	1	0	0	0	3	9	7	11	0	0	0	0	7	23	1	1	0	1	4	9	8	7	0					
Dungeness [Kent]																																										
7	3	1010.4	-	6.7	0.7	8.8	89	6.3	3	1	4	6	15	2	0	1	0	1	0	6	10	8	5	0	0	0	9	8	14	0	3	0	1	0	17	2	7	1				
	9	1010.6	-	6.6	0.8	8.6	87	6.9	0	1	4	10	15	1	0	1	0	1	0	3	10	11	5	0	0	0	7	16	7	1	2	0	2	1	14	3	8	0				
	15	1010.0	-	7.4	1.0	8.9	86	6.7	0	1	3	17	10	0	0	0	0	1	0	2	10	13	5	0	1	6	11	13	0	2	0	1	1	13	3	10	1					
	21	1010.0	-	7.1	0.8	8.9	88	5.6	6	1	4	4	16	0	0	0	0	0	1	3	15	8	4	0	0	4	14	13	0	3	0	1	1	13	2	11	0					
Deal [Kent]																																										
10	3	1010.1	-	6.2	0.7	8.6	89	6.5	2	2	3	4	19	1	0	0	1	0	0	5	10	11	4	0	0	2	10	18	1	0	0	0	3	8	7	10	2					
	9	1010.2	-	6.3	0.6	8.9	91	6.9	0	0	6	10	14	1	0	0	1	1	0	7	12	8	2	0	0	2	12	16	1	0	0	1	3	10	5	9	2					
	15	1009.7	-	7.6	1.2	8.8	84	6.7	0	1	5	11	14	0	0	0	0	1	0	8	14	5	3	0	0	2	10	17	2	0	0	1	4	8	5	8	3					
	21	1009.5	-	6.7	0.7	9.0	90	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Manston [Kent]																																										
15	3	1010.5	-	5.4	0.5	8.4	92	6.3	3	1	3	11	12	1	0	1	0	0	4	5	8	8	5	0	0	1	12	18	0	1	0	0	4	11	7	5	3					
	9	1010.5	-	5.6	0.6	8.5	92	6.9	0	2	2	14	11	2	0	2	0	0	2	5	12	5	5	0	0	1	15	15	0	0	0	2	3	11	5	6	4					
	15	1009.9	-	6.8	0.8	8.8	87	6.9	0	0	4	14	13	0	0	1	0	0	4	2	10	8	6	0	0	2	16	11	2	1	0	1	4	6	8	8	1					
	21	1010.2	-	5.6	0.5	8.5	92	6.0	2	0	8	8	13	0	0	1	0	1	2	3	10	11	3	0	0	1	13	17	0	1	0	0	2	15	6	5	2					
Thorney Island [Sussex]																																										
4	3	1010.1	-	5.8	0.4	8.7	93	5.9	3	4	2	5	15	2	0	0	1	1	2	3	13	5	4	2	0	2	11	18	0	1	1	3	6	7	5	7	1					
	9	1010.3	-5.3	5.9	0.6	8.6	91	6.6	0	3	1	18	9	0	0	0	0	2	2	7	10	4	6	0	0	1	11	19	0	2	2	4	4	7	4	6	2					
	15	1009.5	-	7.4	0.9	9.0	86	6.7	0	1	6	10	14	0	0	0	0	0	1	7	8	8	6	1	0	2	15	14	0	1	1	1	3	13	5	6	1					
	21	1009.8	-	6.0	0.5	8.7	92	5.7	4	4	2	6	14	1	0	1	0	2	1	3	9	9	5	1	0	2	9	20	0	1	2	4	2	11	3	6	2					
East Hoathly [Sussex]																																										
41	9	1010.8	-	5.8	0.5	8.7	92	7.3	0	1	0	13	16	1	0	1	0	1	6	1	9	9	4	0	0	0	6	22	3	1	0	4	4	8	5	6	0					
	15	1010.0	-	7.3	0.9	9.1	88	7.2	0	0	3	11	15	2	0	0	1	1	1	1	10	11	6	0	0	1	7	21	2	0	0	2	4	9	6	5	3					
	21	1010.4	-	5.9	0.5	8.7	92	5.8	5	2	1	8	14	1	0	1	0	2	0	4	8	8	7	1	0	0	4	24	3	0	0	3	5	7	6	5	2					
Eastbourne C.G. [Sussex]																																										
7	9	1010.3	-5.2	6.9	0.6	9.1	90	6.9	0	0	4	14	13	0	0	0	0	1	2	18	10	0	0	0	3	6	7	10	5	1	0	2	2	14	0	6	1					
	15	1009.8	-	7.9	0.9	9.3	86	6.6	0	0	8	8	15	0	0	1	0	0	0	0	21	9	0	0	3	5	11	10	2	3	0	1	4	10	2	9	0					
	21	1009.7	-	7.4	0.8	9.2	89	6.0	5	0	2	11	13	0	0	1	0	0	0	2	21	7	0	0	1	7	7	12	4	2	0	0	5	10	1	9	0					
Abingdon [Berkshire]																																										
71	3	1008.9	-	5.0	0.5	8.2	91	6.5	3	1	2	7	17	1	0	1	2	3	2	6	5	9	3	0	0	1	7	20	3	0	0	4	4	9	3	5	3					
	9	1008.9	-	5.4	0.7	8.2	90	7.0	0	1	1	16	13	0	0	0	2	4	1	1	9	9	5	0	0	0	4	27	0	1	0	3	6	9	4	6	2					
	15	1008.0	-	7.5	1.3	8.6	82	6.6	0	1	5	17	8	0	0	0	0	0	1	4	15	6	3	2	0	0	11	20	0	0	0	2	4	10	4	7	4					
	21	1008.5	-	5.6	0.7	8.2	89	5.8	2	5	2	6	16	0	0	0	0	1	3	5	7	12	3	0	0	0	8	19	4	1	0	2	5	9	2	8	0					
Hurn [Hampshire]																																										
14	3	1009.2	-	5.9	0.7	8.5	89	5.9	2	5	3	5	16	0	0	0	0	0	1	9	9	10	2	0	0	1	9	19	2	0	1	4	4	10	6	3	1					
	9	1009.4	-	6.3	0.9	8.5	87	6.9	0	0	3	18	10	0	0	0	2	1	3	4	9	11	1	0	0	0	10	17	4	0	0	3	7	8	5	3	1					
	15	1008.6	-	8.2	1.3	9.0	81	6.6	0	1	4	16	10	0	0	0	0	0	1	4	13	9	4	0	0	1	10	19	1	1	0	3	4	10	5	5	1					
	21	1008.9	-	6.4	0.8	8.6	88	6.1	3	3	3	7	15	0	0	0	1	0	3	7	11	8	1	0	0	1	9	17	4	0	1	3	3	10	4	5	1					
S. Farnborough [Hampshire]																																										
70	3	1009.6	-	5.3	0.5	8.4	92	6.1	3	4	0	5	18	1	0	0	0	3	0	7	11	7	2	1	0	1	8	22	0	0	0	3	7</									



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JANUARY, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)							VISIBILITY (Metres and Kilometres)							WIND SPEED AND DIRECTION																				
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-2	3-5	6-7	8	9	0-39 m.	40-190 m.	200-390 m.	400-590 m.	1000-1600 m.	2000-3960 m.	4-9 km	10-17 km	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
																									34 or more	4, 7	4, 5	1-3	Calms													
																																						SPEED IN KNOTS				
																																						34 or more	4, 7	4, 5	1-3	0
Number of Observations																																										
7a. NORTH WALES																																										
7b. SOUTH WALES																																										
8a. NORTH WALES																																										
8b. SOUTH WALES																																										
9. NORTHERN IRELAND																																										



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JANUARY, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION													
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-39 m	40-190 m.	200-390 m.	400-590 m.	1000-1900 m.	2000-3960 m.	4-9 km	10-19 km	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																									8 or more	6, 7	4, 5	1-3	Calm								
																									SPEED IN KNOTS												
																									34 or more	22-33	11-21	1-10	0								
Number of Observations																																					
9 NORTHERN IRELAND - contd.																																					
Aldergrove [Antrim]																																					
73	3	1004.8	-	4.4	0.5	7.9	92	6.0	2	4	3	8	11	3	0	0	2	3	2	3	6	11	4	0	0	0	12	18	1	2	0	4	3	11	5	3	2
	9	1004.6	-6.5	4.3	0.5	7.8	92	6.8	0	2	4	10	15	0	0	0	0	1	1	9	7	4	9	0	0	0	14	16	1	0	0	6	5	6	5	7	1
	15	1003.8	-	5.8	0.7	8.3	89	6.8	0	0	7	12	11	1	0	2	0	0	1	5	7	8	7	1	0	0	13	18	0	1	0	4	4	5	7	7	3
	21	1004.2	-	4.7	0.5	8.0	92	6.5	0	3	5	9	12	2	0	0	3	0	1	4	7	13	2	1	0	0	17	11	3	0	0	6	2	8	7	5	0
CHANNEL ISLANDS																																					
Guernsey																																					
110	3	1010.6	-	7.5	1.0	9.0	86	6.2	0	4	3	16	8	0	0	0	0	0	1	0	6	11	11	2	1	5	16	9	0	1	1	1	4	10	5	5	4
	9	1010.8	-	7.4	1.0	8.9	86	6.6	0	0	5	19	7	0	0	0	1	0	0	5	8	14	3	1	5	16	8	1	1	2	0	2	15	4	4	2	
	15	1010.1	-	8.2	1.2	9.3	84	6.2	0	2	5	18	6	0	0	0	0	0	0	7	6	14	4	0	6	16	8	1	2	0	0	2	12	4	7	3	
	21	1010.3	-	7.7	1.0	9.2	86	6.6	0	2	4	11	14	0	0	0	1	1	0	2	5	9	10	3	1	4	16	10	0	2	1	1	4	11	2	9	1

TABLE VIII—NUMBER OF DAYS IN JANUARY, 1969  
WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °C.								MINIMUM TEMPERATURE °C.								STATION	MAXIMUM TEMPERATURE °C.								MINIMUM TEMPERATURE °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 .. ..	1	10	20	0	0	0	0	0	0	0	0	5	18	8	0	0	Edgbaston .. ..	0	6	18	7	0	0	0	0	0	0	0	0	0	6	14	10	1	0
Stornoway .. ..	0	8	22	1	0	0	0	0	0	0	1	4	18	8	0	0	Kew .. ..	0	4	20	7	0	0	0	0	0	0	0	0	5	12	12	2	0	
Craibstone .. ..	0	8	23	0	0	0	0	0	0	0	0	7	21	3	0	0	Hastings .. ..	0	1	28	2	0	0	0	0	0	0	0	0	1	17	13	0	0	
Rothersey .. ..	0	6	22	3	0	0	0	0	0	0	0	3	21	7	0	0	Southampton .. ..	0	1	15	15	0	0	0	0	0	0	0	0	3	16	12	0	0	
Abbots'inch .. ..	0	9	18	4	0	0	0	0	0	0	0	6	17	8	0	0	Stonyhurst .. ..	0	9	20	2	0	0	0	0	0	0	0	0	10	16	5	0	0	
Eskdalemuir .. ..	0	14	17	0	0	0	0	0	0	0	1	9	15	6	0	0	Bidston .. ..	0	6	19	6	0	0	0	0	0	0	0	6	17	8	0	0		
Douglas .. ..	0	4	27	0	0	0	0	0	0	0	0	3	18	10	0	0	Valley .. ..	0	1	28	2	0	0	0	0	0	0	0	3	9	19	0	0		
Acklington .. ..	0	6	22	3	0	0	0	0	0	0	0	7	19	5	0	0	Falmouth .. ..	0	1	14	16	0	0	0	0	0	0	0	0	14	15	2	0		
Gorleston .. ..	0	3	24	4	0	0	0	0	0	0	0	2	19	10	0	0	Aldergrove .. ..	0	5	22	4	0	0	0	0	0	0	0	1	5	18	7	0	0	
Cambridge .. ..	0	4	19	8	0	0	0	0	0	0	0	5	16	10	0	0	Armagh .. ..	0	5	21	5	0	0	0	0	0	0	0	8	17	6	0	0		

TABLE XIII—SOLAR RADIATION AND ILLUMINATION, JANUARY, 1969

STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						DIFFUSE RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						TOTAL ILLUMINATION ON A HORIZONTAL SURFACE kilolux-hours					
	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days
Lerwick .. ..	59	31	2	14	18.1	31	49	31	2	14	15.7	31	59	31	3	20	17.3	31
Eskdalemuir .. ..	106	5	7	7	36.2	31	64	31	6	7	25.1	30	122	31	11	7	44.1	31
Cambridge .. ..	160	31	12	6	62.7	31	83	15	12	6	49.6	31	-	-	-	-	-	-
London W/Centre .. ..	153	31	11	20	58.2	31	73	26	10	12	42.6	31	176	31	16	12	68.8	31
Kew .. ..	153	31	16	12	60.3	31	77	19	15	12	45.6	31	187	31	25	20	76.0	31
Bracknell .. ..	161	31	17	11	59.9	31	90	25	19	11	49.1	31	188	31	23	11	70.7	31
Aberporth .. ..	167	28	15	16	58.2	31	77	31	15	16	46.5	31	-	-	-	-	-	-
Aldergrove .. ..																		
Jersey Airport .. ..	174	29	18	6	89.6	30	105	25	18	6	61.9	30	-	-	-	-	-	-



TABLE II—ADDITIONS - JANUARY, 1969

District	County	STATION	HEIGHT OF VANE IN METRES			DISTRIBUTION OF MEAN HOURLY VALUES OF WIND SPEED										Mean Hourly Wind Speed  in knots	HIGHEST VELOCITIES					
			Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)			22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST				
						Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours				Veer from N	Speed in knots	Hour ended at day hour		Veer from N	Speed in knots	Day and Time			
3	Norfolk	West Raynham	93	17	14	17	3	11	80	395	238	28	0	13.2	150	37	17 19	150	53	17 1850		
7a	Westmorland	Moor House	597	15	14	25,30,31	3	18	102	332	170	83	54	13.5	210	35	25 18	260	59	31 0330		

### TABLE III—ADDITIONS AND CORRECTIONS

[illegible]

### TABLE XIII—ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						DIFFUSE RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						TOTAL ILLUMINATION ON A HORIZONTAL SURFACE kilolux-hours					
			Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days
1968	June	Esksdalemuir	838	11	239	22	500.0	30	391	18	105	11	285.7	30	299	10	251	22	568.9	30
		Cambridge	854	13	184	22	491.1	29	427	17	131	13	289.5	29	-	-	-	-	-	-
		Aberporth	833	6,13	175	2	549.0	30	415	18	115	10	273.5	30	-	-	-	-	-	-
		London/W Centre	739	13	112	22	417.9	29	348	11	107	22	238.3	29	797	9	148	22	476.3	29
		Kew	780	13	143	22	427.0	30	373	17	144	22	259.9	30	936	13	187	22	518.8	30
		Bracknell	799	9	106	11	454.7	30	411	17	55	11	271.4	30	958	9	125	11	548.1	30
	November	Bracknell	168	4	11	7	67.9	30	89	3	11	7	48.6	30	189	3	16	7	79.9	30
		Aldergrove	189	3	12	27	64.1	30	80	2	10	27	42.0	30	-	-	-	-	-	-

Correction to Annual Summary 1967: - Page 199. 'Sunshine'

The 10 sunniest places over the year as a whole in ranking order were:-

No.	Station	hrs	No.	Station	hrs	No.	Station	hrs
1	Eastbourne	2010.3	4	Swanage	1914.4	8	Jersey (St. Helier)	1878.5
2	Shanklin	1986.2	5	Worthing	1901.4	9	Ventnor	1874.7
3	Bognor Regis	1919.6	6	Sandown	1884.5	10	Jersey (Gorey Castle)	1870.4
			7	Littlehampton	1880.7			

Correction to Introduction to M.W.R. 1968:- Page vii, Table III Air Temperature. (Psychrometer at Kew)

Amend last sentence of second paragraph to read "... main lawn at 1.25 m above it"

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DUPLICATE ALSO



# Monthly Weather Report

## OF THE METEOROLOGICAL OFFICE

*Summary of observations compiled from returns of official stations and voluntary observers.*

Volume 86 Number 2

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### February 1969 — *Very cold with some heavy snowfall*

Low pressure to the east and south and high pressure to the west and north of the British Isles led to predominantly northerly or easterly winds which were mainly responsible for the exceptionally cold weather.

**Weather** — A cold and snowy month with blizzards in many places. Transport was often badly affected and outdoor sporting activities were severely curtailed. It was cold everywhere apart from a few mild days, mainly in the south, during the last week. In many places the resulting thaw led to flooding which was severe in the West Country.

**Wind** — Gales occurred less frequently than normal and were reported locally on 13 days in England and Wales, 11 days in Scotland and on 8 days in Northern Ireland. The first week was stormy in the north and east. A record gust of 118 kt was recorded at Kirkwall (Orkney) on the morning of the 7th in a north-westerly squall which was accompanied by a temperature of  $-4^{\circ}\text{C}$ . This is the highest confirmed wind speed at a low-level station in the United Kingdom. On the 19th, there was a severe easterly gale in south-west England with frequent gusts of over 50 kt and one of 71 kt at Lizard. The combination of this gale with a high tide resulted in sea-water being blown over sea-walls and Teignmouth, in south Devon, was flooded in places. Along the south Devon coast, sea-defences were breached, property damaged and, in one place, beach shingle was carried hundreds of yards inland, covering roads and marooning vehicles.

**Temperature** — The month was cold everywhere; mean temperature in many places was more than 3 deg C below average. At Balmoral and at Colonsay (Argyll) the monthly mean temperature was 3.7 deg C below normal. It was the coldest February since 1963 in many areas. Frost, which was severe at times, occurred nightly during most of the month but it was less frequent and widespread in the last week. In many places, frost persisted all day on a number of occasions particularly around mid-month.

At Newton Rigg (171 m), Cumberland, a minimum temperature of  $-20^{\circ}\text{C}$  occurred on the 16th; this is the lowest temperature recorded there this century. Other minima included:  $-20.6^{\circ}\text{C}$  at Grantown-on-Spey (Moray) on the 18th;  $-18.9^{\circ}\text{C}$  at Corwen (Merioneth) on the 16th;  $-13.3^{\circ}\text{C}$  at Lisnafillan and Greenmount (both in Co. Antrim) on the 16th.

It was milder from the 21st to the 26th in many areas and much of the lying snow melted. Among the maxima for the month were the following:  $13.9^{\circ}\text{C}$  at Wisley on the 22nd;  $11.7^{\circ}\text{C}$  at Port Talbot, (Glamorgan) on the 23rd;  $11.1^{\circ}\text{C}$  at Balmacara House (Ross & Cromarty) on the 23rd;  $10.2^{\circ}\text{C}$  at Ballykelly (Londonderry) on the 23rd.

**Rainfall** — Rainfall (including melted snow) was less than half the monthly average over a large area of western Scotland and in parts of Cumberland and Westmorland. Most of Wales and southern England, north Scotland and places in Northern Ireland were drier than normal. On the other hand, more than twice the average rainfall occurred near Durham, around Wrexham and in the Yorkshire wolds.

Much of the precipitation during the month was in the form of snow. However, on the 10th, rain was heavy and widespread in Scotland, northern England and North Wales; 31 mm was recorded at Poulton-le-Fylde in Lancashire. A daily rainfall of 56 mm, all of which fell as snow, was measured on the 19th at Yeovilton (Somerset). On the 23rd, heavy rain fell in Northern Ireland and a daily fall of over 56 mm was recorded at Spelga Dam (Co. Down).

Thunder was heard on only one day in Scotland and Northern Ireland but on 13 days in the south. Thunderstorms, accompanied by hail, occurred in many places in England and Wales on the 6th. Hail was much more frequent than normal in south-west England and on the coasts of Wales.

**Snow** — The frequency of snow was very much greater than normal in all districts and it was often accompanied by strong winds. Heavy snow fell in many places during the first four days. On the 7th, snow in

south-west Scotland and Northern Ireland extended south and east to most of England and Wales. According to the Press, 20 cm of snow fell in 5 hours at places in Derbyshire and 10-15 cm were measured in many other areas, particularly in Wales. Blizzards struck widely-separated places from North Wales to Kent where over 30 cm were reported in the Deal area on the morning of the 8th. Roads were blocked, transport was disrupted and villages were isolated. Heavy snow showers in the west and north-west on the 9th and 10th resulted in falls of over 25 cm in Northern Ireland.

Another spell of widespread snow commenced in Scotland on the 13th and spread to Wales and northern England on the 14th where falls of over 15 cm were recorded locally; Manchester Airport was closed for about 7 hours. By the 15th, Whitby and villages in the North Riding of Yorkshire were isolated. On the same day, heavy falls occurred in Northern Ireland. More heavy snow fell in Wales and southern England on the 19th causing the closure of Gatwick Airport. Falls were generally 10-15 cm but 35 cm were reported at Tredegar, in Monmouthshire, and huge drifts built up on the moors in Devon and Cornwall. The next day, blizzards occurred further north and there was serious drifting in Wales, the West Country and the Midlands.

**Sunshine** — Sunshine amounts were mostly about average despite the last week being rather dull. Much of the sunshine occurred on a number of brilliantly sunny days in the first half of the month. However, east ern coasts of England and Scotland and also parts of the West Country had a rather dull month. In contrast, northwest Scotland was sunnier than normal. Noteworthy departures from normal (shown as percentage of average) included 144 per cent at Duntulm (Inverness-shire) and 60 per cent at Shrewsbury.

**Fog** — On the 17th, patches of freezing fog persisted all day in northern England and central Scotland. From the 22nd to the 25th a foggy spell accompanied the thaw in England and Wales. On the 23rd, fog was particularly widespread and very dense in the Midlands and northern England; in the Humber estuary, two ships collided in thick fog. Hill fog was extensive on the 25th in the Midlands and southern England.

**Miscellaneous Phenomena** — On the 19th, an avalanche occurred in the Cairngorms (Scotland) and a number of people were injured. The aurora was observed on 7 nights in Scotland and was seen from 9 places on the 11th/12th, the most southerly being Tiree, in the Hebrides.

### TABLE I—DISTRICT VALUES, February 1969

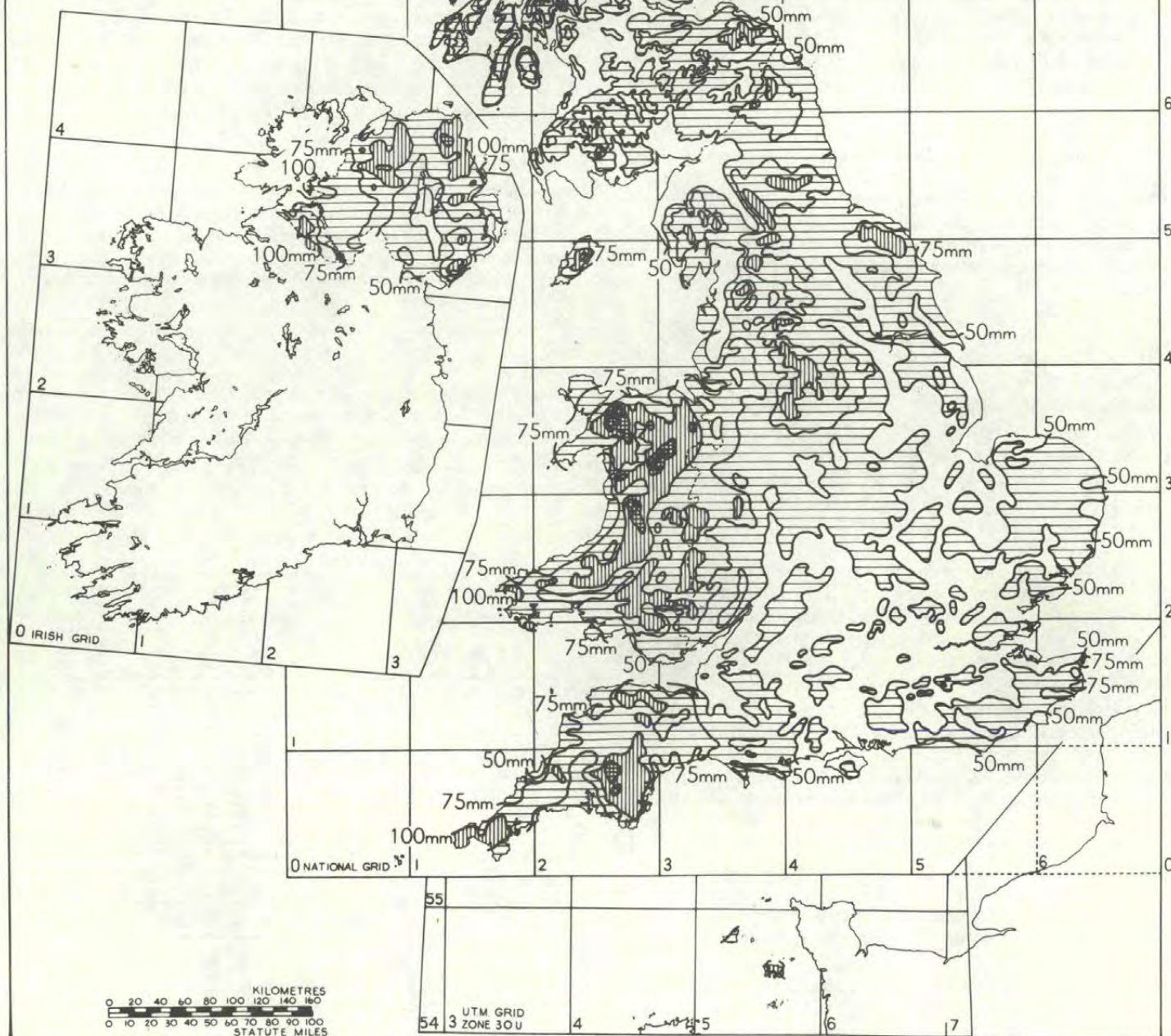
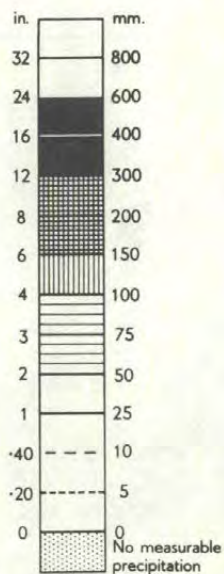
DISTRICTS	AIR TEMPERATURE °C					EARTH TEMP. °C		RAIN DAYS	RAIN-FALL	SUNSHINE
	*Highest Max.	*Lowest Min.	Max.	Min.	Mean	Mean 30 cm.	Mean 122 cm			
	Difference from Average									
0 SCOTLAND, N.	+ 8.9	- 8.9	-2.7	-2.8	-2.8	-0.8	+0.3	-2	90	111
1 SCOTLAND, E.	+ 9.4	-12.2	-3.2	-2.7	-2.9	-1.2	-0.2	+4	128	87
2 ENGLAND, N.E.	+ 8.9	-10.0	-3.5	-2.9	-3.2	-1.1	+0.1	+6	149	93
3 ENGLAND, E.	+11.7	-11.7	-3.4	-2.2	-2.9	-1.5	0.0	+3	132	104
4 MIDLANDS	+11.1	-10.6	-3.5	-2.5	-3.0	-1.0	+0.2	+3	117	106
5 ENGLAND, S.E.	+11.7	- 8.3	-2.3	-2.2	-2.2	-1.3	-0.2	0	89	102
6 SCOTLAND, W.	+ 9.3	-16.2	-2.7	-2.8	-2.7	-1.1	-0.2	-5	51	123
7 ENGLAND, N.W and N.Wales	+11.6	-20.0	-3.1	-3.0	-3.1	-0.5	+0.2	+1	117	89
8 ENGLAND, S.W. and S.Wales	+11.7	-10.0	-2.6	-2.3	-2.4	-1.0	0.0	+2	93	97
N.IRELAND	+10.2	-12.9	-3.3	-2.9	-3.2	-	-	+1	104	94
SCOTLAND	+ 9.4	-16.2	-2.9	-2.8	-2.8	-	-	-1	77	107
ENG. and WALES	+11.7	-20.0	-3.1	-2.5	-2.8	-	-	+2	111	99

\*Highest Max. and Lowest Min. of the District Value Stations.



# RAINFALL FEBRUARY 1969

The equivalent values in inches  
are given in round numbers.  
The exact relation is 10 in. = 254 mm.





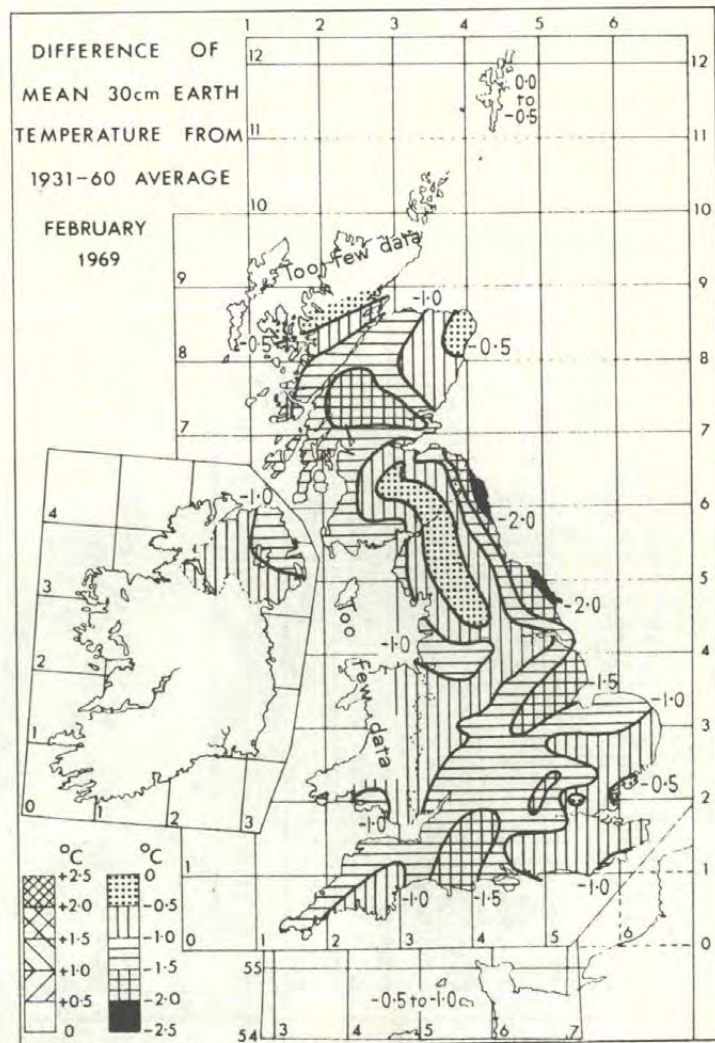
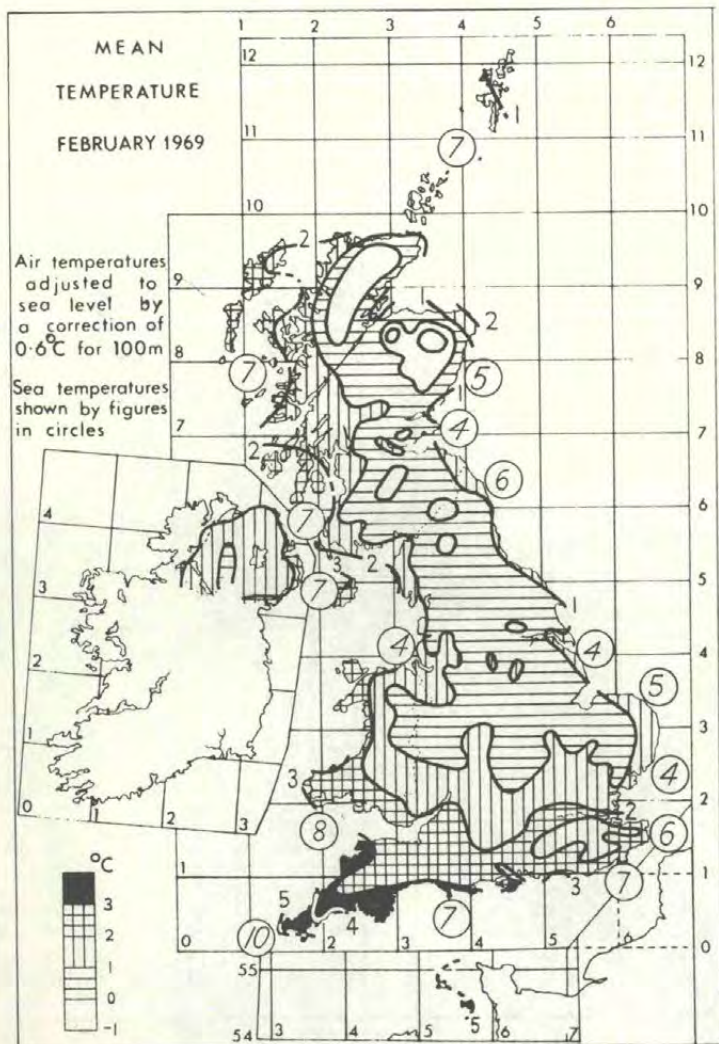
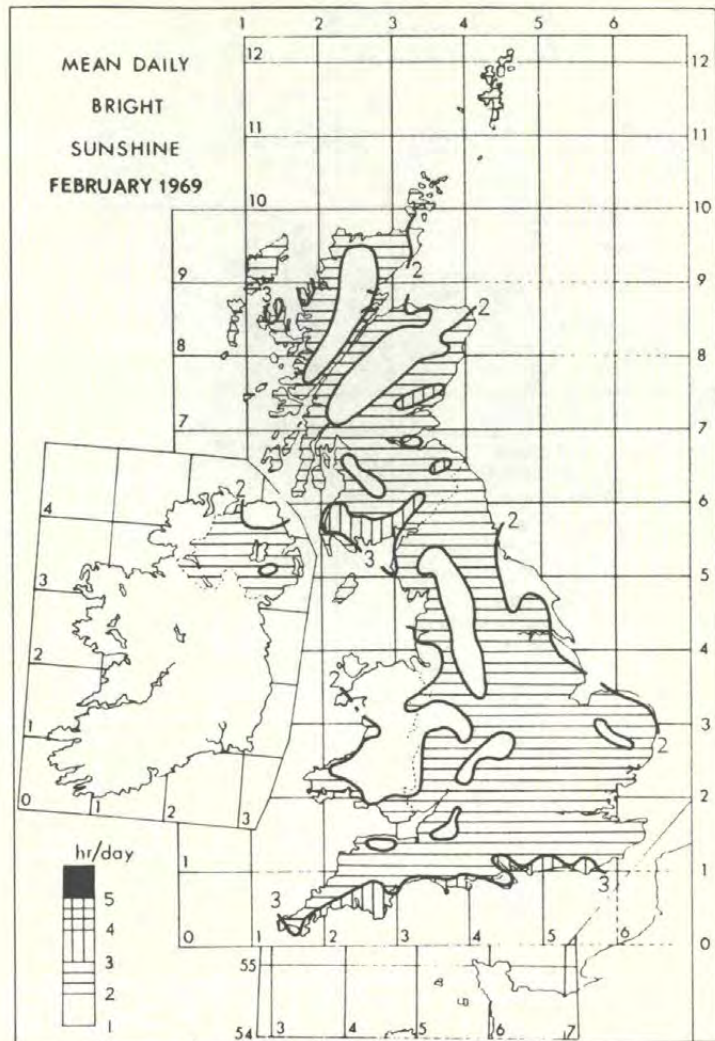
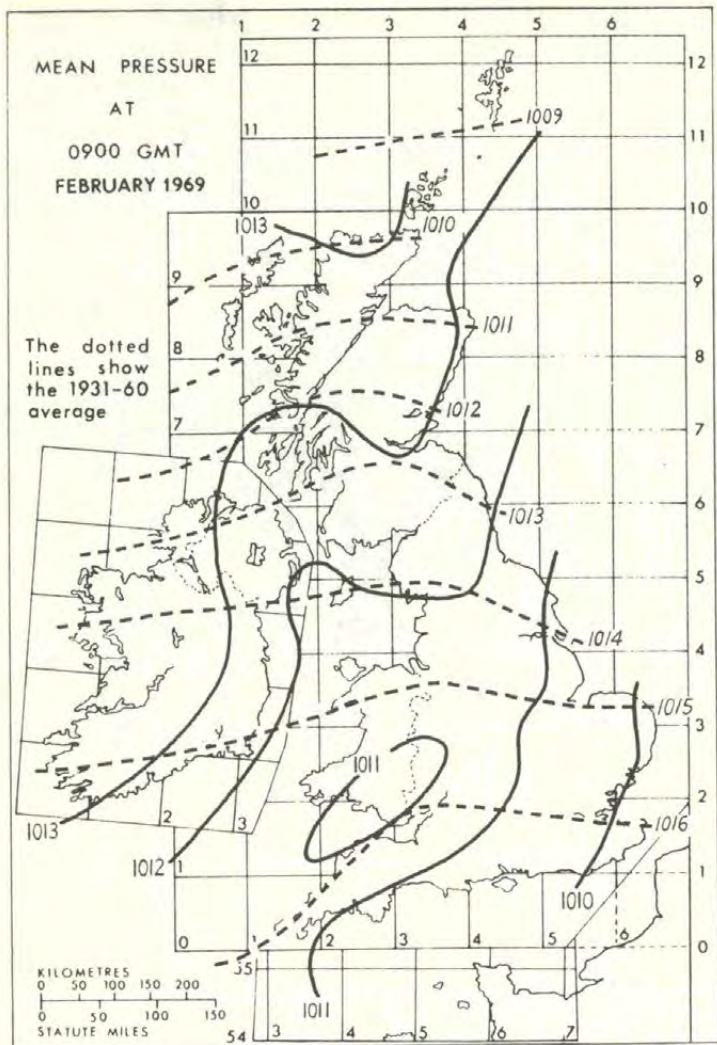




TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— FEBRUARY, 1969

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
			Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
						Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours				Veer from N	Speed in knots	Hour ended at day hour		Veer from N	Speed in knots	Day and Time																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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TABLE II (continued)—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— FEBRUARY, 1969

DISTRICT COUNTY AND PLACE		HEIGHT OF VANE IN METRES		DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES						
		Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST					
					Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours				Veer from N	Speed in knots		Hour ended at day hour	Veer from N	Speed in knots	Day and Time			
5. ENGLAND, S.E. — <i>contd.</i>																					
Wiltshire	Larkhill ... ..	145	13	10	-	0	3	25	213	356	78	0	9.5	060	30	19	23	270	51	6	124
	Boscombe Down	130	16	16	-	0	5	31	293	266	82	0	10.6	070	31	19	23	070	44	19	2235
	Porton ... ..	120	10	10	-	0	4	32	260	239	80	61	10.7	070	33	19	22	360	46	7	1720
7a ENGLAND, N.W.																					
Cumberland	Sellafield ... ..	25	12	11	-	0	2	5	253	311	103	0	8.8	210	26	6	05	210	38	6	0450
	Carlisle ... ..	42	13	9	-	0	4	26	282	257	107	0	10.3	230	29	6	04	220	43	6	0345
	Spadeadam ... ..	292	16	15	-	0	9	58	247	283	84	0	10.9	070	29	20	08	080	47	20	0905
Westmorland	Great Dun Fell	857	10	10	19-22, 27, 28	62	19	222	318	52	18	0	21.6	060	60	20	05	060	67	20	0455
Lancashire	Squires Gate ...	26	16	11	-	0	6	54	340	244	34	0	12.4	070	29	22	10	080	43	19	2400
	Aigburth ... ..	38	23	11	-	0	0	0	195	334	143	0	7.9	070	20	19	23	310	43	11	1545
	Southport ... ..	19	14	11	-	0	4	13	198	248	213	0	7.8	340	28	2	05	340	43	2	0435
	Fleetwood ... ..	34	15	9	-	0	6	32	262	261	117	0	10.2	070	28	20	08	070	55	20	0735
	Speke ... ..	30	10	10	-	0	3	19	218	318	117	0	9.1	090	24	19	09	090	41	19	1820
	Manchester/ W.Centre	82	45	17	-	0	3	40	254	292	86	0	10.1	070	32	20	14	070	56	20	1345
Cheshire	Bidston ... ..	80	20	12	-	0	5	22	242	332	73	3	-	090	27	19	12	090	51	19	1110
	Ringway ... ..	80	10	10	-	0	3	40	204	280	148	0	9.1	060	33	20	17	060	46	20	1320
7b NORTH WALES																					
Anglesey	Valley ... ..	26	16	12	1, 6, 19	8	12	140	301	179	44	0	14.9	080	39	19	16	080	58	19	1515
8a SOUTH WALES																					
Cardigan	Aberporth ... ..	135	13	11	7	3	10	104	334	176	55	0	13.7	340	39	7	14	340	55	7	1330
Pembroke	Milford Haven C.B.	47	10	10	8	7	12	129	324	173	39	0	14.4	330	40	7	14	240	58	6	0850
	Brawdy ... ..	130	20	14	6, 7	1	7	37	205	290	139	0	9.4	110	34	20	03	110	67	20	0225
Glamorgan	Port Talbot ... ..	28	12	11	20	1	7	37	205	290	139	0	9.4	110	34	20	03	110	67	20	0225
	Rhoose ... ..	78	11	10	-	0	10	58	273	299	42	0	11.3	070	31	19	12	260	54	1	1545
8b ENGLAND, S.W.																					
Dorset	Portland Bill	61	13		1, 2, 6, 7, 11, 12, 18, 19, 20, 21, 22	72	22	239	234	90	37	0	20.3	080	55	19	04	080	67	19	0550
Devon	Mount Batten ...	64	13	13	-	0	6	46	238	303	85	0	10.3	080	30	19	03	090	58	19	0425
	Chivenor ... ..	19	13	10	-	0	9	52	254	265	101	0	10.3	340	30	7	15	070	53	19	2105
Cornwall	Scilly ... ..	70	20	17	1, 18, 19	13	12	123	320	131	85	0	14.4	060	41	19	02	070	65	19	0210
	Lizard ... ..	96	23	18	1, 6, 7, 12, 18, 19	36	14	129	269	147	62	29	16.0	100	48	19	03	110	71	19	0030
	St. Mawgan ... ..	119	12	12	-	0	8	72	258	245	97	0	11.0	340	29	7	16	110	49	19	0710
9 NORTHERN IRELAND																					
Londonderry	Ballykelly ... ..	13	12	10	-	0	4	10	305	238	119	0	10.3	360	26	7	09	300	45	11	1540
Antrim	Aldergrove ... ..	80	10	10	-	0	4	16	282	298	76	0	10.0	080	26	22	15	320	42	11	1735
	Ballypatrick Forest	166	13	13	20, 22	6	13	128	385	127	26	0	15.5	100	35	22	15	100	54	20	0830
	Belfast Harbour	21	18	18	20	1	12	113	272	199	58	29	13.6	-	34	20	13	230	53	11	0655
Down	Kilkeel ... ..	35	18	18	19, 20	20	15	113	367	143	29	0	15.5	080	37	19	11	090	54	19	1045
	Orlock Head ...	51	16	12	1, 2, 19, 20, 22	38	19	171	396	55	12	0	18.8	080	40	22	15	080	56	19	2135
Armagh	Glenanne ... ..	144	10	10	8	0	0	0	185	329	158	0	7.4	340	19	7	10	290	32	11	1455
	Portadown ... ..	26	10	10	-	0	0	0	185	329	158	0	7.4	340	19	7	10	290	32	11	1455
Tyrone	Carrigans ... ..	129	10	10	-	0	1	1	213	252	206	0	7.4	100	22	19	16	300	48	11	1600
Fermanagh	Castle Archdale Forest	80	13	13	-	0	3	9	254	281	128	0	8.8	060	23	20	13	060	42	20	0325
CHANNEL ISLES																					
	Jersey Airport ...	109	26	15	12	1	13	108	354	188	21	0	14.2	310	34	12	01	300	52	11	2355

† Anemograph dismantled for re-erection. \* Defective record. ‡ Record ceased. § Incomplete record. ¶ Anemograph out of order. // Record ceased temporarily.

TABLE III  
—SUMMARY OF DAILY OBSERVATIONS FEBRUARY, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE			
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916—50 average	MOST IN A DAY		Precip'n 0.2 mm or more 1.0 mm or more		Snow or Sleet Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost† Grass min. below 0°C	Concrete min. below 0°C.	Gale	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure	
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date														
0 SCOTLAND, N.																															
Zetland																															
Hamnavoe ...	99	21	3.6	-0.7	1.5	-	7.8	4	-5.6	7	-	-	85	-	13	10	27	19	19	19	5	13	0	0	18	-	-	3	2.22	-	-
Lerwick ...	21-9	82	2.0	-1.9	0.1	-2.8	7.0	4	-6.8	7	-	-	93	90	14	10	23	17	20	19	0	14	0	1	21	23	24	4	2.17	121	-
Baltasound ...	99	24	2.9	-2.7	0.1	-	7.8	4	-8.3	15	3.6	-	98	94	25	7	21	19	16	22	0	0	0	0	23	-	-	2	1.99	-	-
Orkney																															
Sule Skerry ...	21-9	13	4.4	1.2	2.8	-	8.4	4	-6.3	7	-	-	63	-	18	10	19	13	10	8	0	0	0	0	10	22	20	4	-	-	-
Stenness ...	99	23	3.3	-2.0	0.7	-	7.8	4,15	-11.1	16	2.5	4.9	70	90	11	10	24	17	10	16	2	0	0	1	19	24	-	1	1.97	-	-
Kirkwall ...	21-9	26	2.9	-1.2	0.9	-2.9	7.1	4	-7.0	7	-	-	76	95	15	10	24	17	24	16	12	0	0	0	19	20	20	4	1.75	80	-
Caithness																															
Dounreay ...	99	21	3.9	-1.9	1.0	-	8.9	5	-6.7	18	-	-	65	-	11	10	19	14	9	18	3	0	0	4	20	23	-	1	2.48	-	-
Wick ...	21-9	36	2.8	-1.5	0.7	-2.8	7.0	4,5	-9.0	7	-	-	50	98	13	10	20	15	19	15	2	13	0	2	17	21	20	1	1.94	77	-
John O'Groats ...	99	30	3.6	-1.7	0.9	-	7.2	4,5	-6.7	18	-	-	42	-	11	10	22	11	11	-	2	4	0	1	18	18	-	2	1.83	-	-
Sutherland																															
Cape Wrath ...	21-9	112	3.3	-0.2	1.5	-2.8	8.0	23	-6.9	7	-	-	59	72	16	10	19	14	14	14	4	0	0	0	18	23	23	6	2.44	-	-
Achnary ...	99	85	1.9	-5.1	-1.6	-	8.9	5	-16.1	18	1.7	4.1	72	84	12	13	22	15	17	22	4	2	0	0	24	26	-	0	1.84	-	-
Strathly ...	99	37	2.7	-3.3	-0.3	-3.2	8.9	5	-9.4	16	-	-	74	92	14	10	23	13	21	15	1	4	0	1	23	-	-	1	2.06	103	S
Achentoul ...	99	137	1.6	-5.4	-1.9	-	7.8	5	-16.7	18	-	-	116	-	15	13	22	20	18	22	3	3	0	1	24	26	-	0	2.07	-	-
Ross & Cromarty																															
Stornoway ...	21-9	3	4.0	-0.7	1.7	-2.7	8.6	23	-6.9	7	-	-	85	126	11	6	17	16	15	8	4	4	0	0	16	19	20	1	2.90	133	-
Balmacra ...	99	4	4.8	-0.9	1.9	-	11.1	23	-6.1	8	-	-	87	-	19	5	14	11	11	16	0	1	0	0	16	-	-	0	-	-	-
Poolewe ...	99	6	4.7	-0.9	1.9	-	9.4	23	-6.1	15	-	-	97	83	15	10	18	13	10	-	0	0	1	0	15	22	-	0	3.23	-	-
Rudin Re ...	21-9	16	4.5	-0.3	2.1	-	8.7	23	-5.0	7	-	-	-	-	-	-	-	-	13	4	3	4	0	0	17	17	18	3	-	-	-
Inverpoll ...	99	14	3.9	-1.9	1.0	-	8.9	23	-8.3	15	3.1	-	72	70	15	10	16	12	15	19	0	2	1	-	19	24	-	2	2.77	-	-
Achnashellach ...	99	67	3.1	-2.8	0.1	-3.0	8.3	23	-10.6	17	-	-	169	98	(28)	10	17	17	13	21	0	0	0	0	18	-	0	-	-	-	-
Kinlochewe ...	99	23	3.7	-3.1	0.3	-3.4	7.8	4,5,10	-9.4	16,18	3.0	-	136	84	26	5	17	15	13	20	0	3	0	0	23	23	-	0	-	-	S
Knockanrock ...	99	244	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Strathconan ...	99	107	2.4	-3.9	-0.7	-	7.8	5	-12.2	17,18	-	-	102	-	25	22	19	15	14	24	0	0	0	-	24	27	-	0	-	-	-
Fortrose ...	99	5	3.5	-1.1	1.2	-2.9	7.2	4,23	-6.7	7	-	-	34	79	6	22	11	9	5	16	0	0	0	0	15	-	0	2.58	104	-	-
Tarbatness ...	21-9	18	2.8	-0.7	1.1	-2.6	8.3	4	-7.0	7	-	-	43	126	11	10	17	11	13	6	0	0	0	1	16	-	-	1	-	-	-



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS FEBRUARY, 1969

DISTRICT, COUNTY AND PLACE	Max. Temp. hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE					
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1931-60 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost† below 0°C	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure	
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date																
0 SCOTLAND, N. -contd.																																
Inverness																																
Benbecula ...	21-9	6	4.8	-0.3	2.3	-2.6	9.0	4,5	-7.6	7	-	-	81	106	10	5	20	16	15	9	2	10	0	0	16	21	20	1	2.60	-	-	-
Isle of Rhum €	99	5	5.0	-0.5	2.3	-	8.9	10,11	-6.1	7	3.1	6.2	78	41	19	10	16	11	9	12	3	3	0	0	16	25	-	1	-	-	-	
Prabost ...	99	67	3.9	-1.1	1.4	-	7.8	23	-6.7	7	-	-	71	50	14	5	15	12	6	16	0	15	1	1	19	24	-	2	3.05	-	-	
Duntulm ...	99	90	4.5	-0.7	1.9	-2.5	8.9	4	-6.7	8	-	-	65	65	17	22	15	13	9	3	7	0	0	0	17	24	-	1	3.11	144	S	
Onich ...	99	15	4.5	-1.7	1.4	-2.5	8.9	4,23	-8.9	8	-	-	63	36	19	5	16	10	-	4	-	-	0	16	19	-	-	2.43	120	S		
Fort William €	99	8	4.6	-1.8	1.4	-	10.0	23	-8.9	16	1.8	3.7	44	27	17	5	13	8	13	8	0	0	0	0	17	23	-	-	2.13	-	S	
Corpach ...	99	8	4.6	-1.2	1.7	-	10.6	23	-6.1	17	-	-	51	-	18	5	10	8	7	10	0	0	0	0	18	23	-	1	-	-	-	
Fort Augustus ...	99	21	3.5	-2.3	0.6	-2.6	8.9	23	-11.7	8	-	-	49	-	14	5	14	12	13	17	0	0	0	0	17	-	-	0	2.34	-	S	
Inverness ...	99	4	3.4	-1.9	0.7	-	8.3	4	-9.4	18	-	-	22	49	6	10	10	6	8	18	0	0	0	1	18	23	-	0	2.01	-	-	
Coire Cas Shieling	99	762	-1.8	-6.6	-4.2	-	3.9	5	-15.0	8	-	-	-	-	-	-	-	18	28	0	0	0	-	27	-	-	1	-	-	-		
Cairngorm ...	99	1090	-4.6	-9.3	-6.9	-	0.0	10,23	-15.6	8	-	-	-	-	-	-	-	21	28	0	0	0	-	28	-	-	7	-	-	S		
Achnagoichan ...	99	305	1.5	-5.4	-1.9	-	8.3	23	-12.8	17,18	1.6	-	71	103	(14)	5	13	9	-	-	-	-	-	25	26	-	-	-	-	-		
Glenmore Lodge	99	341	1.3	-6.0	-2.3	-3.4	8.5	23	-14.9	17	-	-	76	-	(12)	10	19	14	-	24	-	-	0	25	27	-	1.76	-	-	S		
1 SCOTLAND, E.																																
Nairn																																
Nairn ...	99	6	3.4	-2.5	0.5	-3.1	8.3	5,23	-11.1	18	-	-	32	85	6	10	15	9	14	17	0	0	0	1	19	23	-	0	2.64	103	-	
Moray																																
Grantown-on-Spey	99	229	1.6	-6.9	-2.7	-	7.2	23	-20.6	18	-	-	70	-	11	10	17	13	21	28	2	1	0	0	26	26	-	0	-	-	-	
Forres ...	99	47	3.1	-2.4	0.3	-3.0	8.3	5	-8.9	18	1.2	3.5	53	147	11	10	16	11	13	16	0	0	0	0	20	21	-	0	2.69	101	-	
Kinloss ...	21-9	5	2.9	-2.5	0.2	-3.3	9.1	5	-14.4	18	2.3	-	65	190	11	21	15	13	18	16	0	10	0	0	21	21	21	3	2.36	-	-	
Elgin ...	99	15	3.3	-2.5	0.4	-	8.3	4,5	-13.9	18	-	-	65	176	12	10	21	14	17	16	0	0	0	0	18	24	-	0	2.03	-	S	
Lossiemouth ...	99	6	3.3	-3.8	-0.3	-3.5	8.3	4,5	-14.4	18	-	-	41	115	12	10	14	10	19	10	2	6	0	0	23	27	22	4	-	-	-	
Gordon Castle ...	99	32	3.1	-2.6	0.3	-3.2	8.3	5	-11.1	18	-	-	70	149	16	10	18	13	12	19	2	0	0	-	19	-	-	3	2.61	105	-	
Banff																																
Glenlivet ...	21-9	215	1.4	-4.1	-1.3	-	7.4	5	-17.9	18	-	-	70	-	15	10	21	14	23	24	0	0	0	2	21	24	25	1	1.97	-	-	
Banff ...	99	24	3.6	-1.3	1.1	-	8.3	5	-9.4	18	-	-	60	-	14	10	23	14	9	13	5	1	0	0	18	-	-	4	1.94	-	-	
Aberdeen																																
Braemar ...	99	339	1.2	-6.0	-2.4	-3.4	6.1	23	-17.8	17	-	-	65	95	13	10	20	16	-	28	-	-	-	0	25	26	-	-	1.71	-	S	
Balmoral ...	99	283	0.8	-5.8	-2.5	-3.7	6.1	5	-16.1	17	-	-	101	181	11	2	23	21	22	28	0	0	0	-	26	26	-	0	-	-	-	
Dinnet ...	99	177	1.3	-5.0	-1.9	-	7.8	4	-16.1	18	1.5	-	81	-	11	22	19	16	-	26	-	-	-	1	23	26	-	-	1.96	-	-	
Gartley ...	99	160	1.2	-5.1	-1.9	-	6.7	4	-15.0	18	-	-	121	-	18	10	24	22	-	-	-	-	-	-	24	25	-	-	-	-	-	
Inverurie/Swge. Wks.	99	54	1.9	-5.0	-1.5	-	7.8	4,5	-20.0	18	-	-	83	-	14	10	23	18	19	19	0	0	0	2	21	25	-	0	2.07	-	-	
Fyvie Castle ...	99	66	2.2	-5.1	-1.5	-	7.8	5	-18.9	18	-	-	-	-	-	-	-	16	23	2	4	0	0	-	22	-	-	3	2.14	-	S	
Craibstone ...	99	91	2.2	-2.8	-0.3	-3.2	7.2	4	-12.2	18	2.0	4.0	87	152	16	10	23	21	20	23	2	4	0	0	19	23	-	4	2.19	77	-	
Dyce ...	21-9	58	2.1	-3.1	-0.5	-3.4	8.1	4	-18.2	18	-	-	75	126	15	10	23	17	22	20	0	9	0	2	18	23	24	0	2.09	-	-	
Aberdeen ...	99	52	2.4	-2.8	-0.2	-3.1	7.8	4	-12.8	18	-	-	79	146	14	10	21	19	13	19	1	0	0	0	19	25	-	-	2.32	87	-	
Fraserburgh ...	21-9	18	3.3	0.4	1.9	-	7.2	4	-3.8	18	-	-	77	-	16	1	23	18	18	10	4	2	0	0	11	15	16	5	1.77	-	-	
Kincardine																																
Fettercairn ...	99	171	2.0	-2.9	-0.5	-2.7	7.2	4	-8.3	8	-	-	94	143	(18)	10	22	18	16	20	0	0	0	1	22	25	-	2	2.67	-	S	
Strachan ...	99	120	1.9	-4.6	-1.3	-	7.8	4	-16.7	18,19	1.9	-	89	-	19	10	18	13	13	23	2	0	0	2	22	25	-	0	2.19	-	S	
Banchory ...	99	77	2.8	-3.6	-0.4	-	8.9	4	-12.8	18	-	-	74	-	10	22	23	16	23	24	0	10	0	1	21	23	-	0	-	-	-	
Angus																																
Mylnfield €	99	30	2.9	-2.2	0.3	-	7.8	4,11	-8.3	17,18	0.8	4.4	46	92	11	22	15	11	15	5	0	0	0	0	19	25	-	0	2.85	-	-	
Dundee ...	99	45	3.3	-2.0	0.7	-2.6	9.4	4	-7.2	16,17	1.5	-	46	85	9	10	16	14	11	11	0	10	0	2	18	25	-	0	2.79	-	-	
Glamis Castle ...	99	61	2.7	-3.3	-0.3	-	7.8	4	-9.4>-																							



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS FEBRUARY, 1969

DISTRICT, COUNTY AND PLACE			Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE																						
						MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1910-50 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C.	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure																				
						Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date	0.2 mm or more	1.0 mm or more																																	
																																				30 cm.	122 cm.																	
1	SCOTLAND, E. — contd.																																																					
	Berwick — contd.																																																					
	Marchmont	...	99	152	1.9	-2.6	-0.3	-3.1	6.7	4.11	-9.4	17	-	-	76	139	17	10	18	13	11	19	0	0	0	1	21	-	-	0	1.91	88	S																					
	Whitchester	...	99	255	1.3	-3.7	-1.2	-	6.7	4	-11.1	16	-	-	104	173	15	10	19	18	18	27	1	0	0	-	24	-	-	2	-	-	-																					
	St. Abb's Head		99	75	3.0	-0.1	1.5	-	7.0	4	-5.0	7	-	-	-	-	-	-	-	12	3	0	0	0	1	17	16	-	1	-	-	-																						
	Peebles																																																					
	Stanhope Farm		99	226	2.4	-4.6	-1.1	-	7.2	10	-15.6	16	-	-	60	72	14	22	11	8	10	18	1	0	0	0	21	26	-	0	-	-	-																					
	Blyth Bridge	...	99	253	1.5	-5.0	-1.7	-	6.1	11	-14.4	17	-	-	53	81	13	14	19	7	17	23	0	0	0	0	23	25	-	2	2.42	-	-																					
	West Lynton	...	99	244	1.9	-5.7	-1.9	-	7.2	5	-17.2	16	0.9	3.6	60	87	10	22	25	11	11	22	0	0	0	1	25	27	-	0	-	-	-																					
	Glentress	...	99	177	2.4	-4.5	-1.1	-	7.2	11	-17.2	16	-	-	60	107	12	1	17	12	-	15	-	-	-	0	20	-	-	-	-	-	-																					
	Selkirk																																																					
	Bowhill	...	99	183	2.7	-3.7	-0.5	-	8.3	4	-15.6	16	-	-	69	110	15	10	19	11	20	20	0	0	0	0	22	-	-	0	-	-	-																					
	Galashiels	...	99	198	1.6	-3.7	-1.1	-	6.1	4.10.11	-13.9	16	-	-	67	-	15	22	18	10	18	17	1	4	0	2	22	23	-	0	2.93	-	S																					
	Roxburgh																																																					
	Wauchope	...	99	171	2.3	-4.6	-1.1	-	7.8	4	-15.6	16	-	-	45	73	11	10	18	13	14	21	0	0	0	1	25	-	-	1	-	-	-																					
	Kelso	...	99	35	3.1	-2.3	0.4	-	7.8	4.11	-10.6	16	-	-	52	-	13	10	17	10	13	5	0	2	0	0	17	22	-	0	2.53	-	-																					
	Sourhope	...	99	274	1.5	-3.8	-1.1	-3.2	(7.8)	11	-11.7	16	-	-	-	-	-	-	-	20	20	0	0	0	0	0	22	25	-	0	2.61	-	-																					
6a	SCOTLAND, W.																																																					
	Argyll																																																					
	Tiree	¶	21-9	9	4.8	0.4	2.6	-2.6	9.3	4	-5.8	7	-	-	45	57	9	10	19	12	14	6	0	13	0	0	16	20	19	3	2.56	98	-																					
	Rhuvaal	...	21-9	20	4.7	1.6	3.1	-	8.6	4	-3.9	7	-	-	54	50	13	5	12	10	9	3	2	0	0	9	16	10	2	-	-	-	-																					
	Colonsay	...	99	27	4.9	-3.1	0.9	-3.7	8.9	4	-10.0	7	-	-	61	60	14	5	12	9	4	-	0	0	0	0	22	-	-	1	-	-	-																					
	Aros	...	99	37	4.9	-1.4	1.7	-	8.3	23	-8.3	15.16	-	-	78	-	24	10	16	12	9	4	0	6	0	0	19	23	-	0	-	-	-																					
	Craighouse	...	99	3	4.9	0.3	2.6	-	9.4	4	-5.0	7	-	-	76	-	20	10	14	11	-	3	-	-	-	0	10	14	-	-	-	-	-																					
	Machrihanish	...	21-9	10	4.6	0.4	2.5	-	8.7	23	-6.7	16	-	-	53	-	11	10	17	14	16	3	1	4	0	10	16	17	0	2.17	-	-	-																					
	Campbeltown	...	99	3	4.6	-	-	-	8.3	5	-	-	-	-	44	-	12	10	10	9	5	0	2	0	0	-	-	-	0	2.49	-	-	-																					
	Achaglachgach	...	99	12	4.9	-1.8	1.5	-	8.9	5.23	-10.6	17	-	-	80	67	31	10	15	8	5	-	2	0	0	0	17	22	-	0	-	-	-																					
	Knapdale Forest	...	99	40	4.4	-1.3	1.5	-	8.9	4	-8.9	16	-	-	62	-	22	10	15	9	8	7	2	0	0	0	15	22	-	0	-	-	-																					
	Glenbranter	...	99	24	3.8	-1.7	1.1	-	7.8	10	-6.7	15.16.17	-	-	63	-	15	5	11	9	-	1	-	-	0	15	21	-	-	-	-	-	-																					
	Glen Etive	...	99	24	4.2	-1.8	1.2	-	9.4	23	-9.4	16	-	-	78	-	25	5	11	10	8	0	0	0	0	0	14	23	-	0	-	-	-																					
	Benmore Y.B.G. **		99	12	4.1	-0.9	1.6	-	8.9	10	-7.2	16	-	-	86	43	23	22	15	11	13	2	1	6	0	0	15	22	-	0	-	-	-																					
	Bute																																																					
	Kildonan	...	21-9	18	4.6	0.7	2.7	-	9.7	4	-4.6	8	-	-	51	-	22	10	11	7	7	-	1	0	0	0	11	12	12	6	-	-	-																					
	Brodrick Castle	...	99	15	4.7	0.0	2.3	-	8.9	10	-6.1	16	2.8	-	70	-	21	10	9	9	7	5	1	0	0	0	12	18	-	0	-	-	-																					
	Rothsay	¶	99	43	4.0	-0.4	1.8	-2.4	8.9	23	-5.0	8.16	2.3	4.8	50	48	19	10	11	7	9	1	2	0	0	13	19	-	0	2.26	96	S																						
	Dunbarton																																																					
	Finnart	...	99	15	4.4	-0.6	1.9	-	9.4	23	-5.6	16	-	-	59	-	20	22	12	8	10	2	1	0	0	-	13	-	0	-	-	-	-																					
	Helensburgh	...	99	89	3.4	-2.5	0.5	-2.8	8.9	4	-7.8	8.16	-	-	38	32	10	10	8	8	4	-	0	0	0	0	21	-	0	2.44	112	-	-																					
	Sloy	...	21-9	12	4.0	-0.5	1.7	-	9.0	10	-8.2	16	-	-	70	-	18	5	13	11	14	-	0	0	0	0	11	-	1	-	-	-	-																					
	Cumbernauld	...	99	94	3.3	-3.0	0.1	-	10.6	5	-11.1	15	-	-	49	-	16	22	16	10	10	16	0	1	0	0	21	26	-	0	-	-	-																					
	Stirling																																																					
	Earl's Hill	...	21-9	335	0.6	-3.4	-1.4	-	5.9	11	-8.8	7	-	-	52	-	18	22	18	8	12	-	0	7	0	4	23	24	24	7	2.75	-	-																					
	Stirling	€	99	46	3.8	-1.6	1.1	-2.6	9.4	4	-7.8	16.17	1.1	5.6	28	39	9	22	11	5	12	8	0	2	0	0	16	22	-	0	2.76	-	-																					
	Falkirk Swge. Wks.		99	3	3.9	-1.6	1.1	-	8.9	4	-11.7	16	-	-	41	-	12	22	13	10	5	2	0	0	0	0	17	-	0	2.32	-	-	-																					
	Grangemouth	...	99	4	3.7	-1.3	1.2	-	7.2	5.10	-8.3	16	-	-	30	-	11	22	11	7	8	10	1	0	0	1	17	20	-	0	-	-	-																					
	Renfrew																																																					
	Greenock	...	99	61	3.4	-0.7	1.3	-2.8	7.8	10	-5.6	16	-	-	43	33	12	5	9	9	8	0	0	0	0	1	13	18	-	0	2.18	99	-																					
	Paisley	€	99	32	4.1	-1.1	1.5	-2.7	8.3	4.23	-7.2	16	2.3	5.4	41	47	12	22	12	6	9	0	0	1	0	1	15	18	-	2	1.99	99	-																					
	Barrhead	...	99	30	3.9	-1.8	1.1	-	8.3	4.10.23	-9.4	16	-	-	42	47	13	22	13	6	12	1	2	0	1	0	17	20	-	1	-	-	-																					
	Abbotsinch	¶	21-9	5	3.9	-1.6	1.1	-2.8	9.1	4	-10.2	16	-	-	32	40	11	22	9	4	13	0	3	3	0	1	13	20	21	0	2.61	124	-																					
	Lanark																																																					
	Crossmyloof	...	99	23	4.2	-1.7	1.3	-	8.9	4.11	-8.9	16	-	-	26	-	8	5	12	6	7	1	0	0	0	0	17	22	-	0	2.66	-	-																					
	Thortonhall	...	99	138	3.1	-2.7	0.2	-2.6	7.8	4.11	-9.4	16.17	-	-	35	40	10	5	12	7	-	11	-	-	-	19	24	-	-	-	-	-	S																					



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS FEBRUARY, 1969

DISTRICT, COUNTY AND PLACE		Max. Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1916—50 average	MOST IN A DAY		Precip'n 0.2 mm or more 1.0 mm or more	Snow or Sleet Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost below 0°C	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date	Amount (mm)	Date																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date	30 cm.	122 cm.			Amount (mm)	Date														0.2 mm or more 1.0 mm or more	Snow or Sleet Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost below 0°C	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS FEBRUARY, 1969

DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days										BRIGHT SUNSHINE								
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916-50 average	Most in a Day		Precip'n		Snow or Sleet Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure			
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date	0.2 mm or more	1.0 mm or more															
3 ENGLAND, E. — contd.																																	
Essex																																	
Harlow ...	99	79	3.9	-1.8	1.1	-	10.6	22, 23	-8.9	8, 9	-	6.4	36	-	7	19	14	8	12	7	0	0	1	2	20	-	0	2.91	-	-	-		
Stansted ...	99	101	3.1	-1.8	0.7	-2.6	10.9	23	-8.0	8	-	-	49	119	11	19	14	12	17	9	1	2	1	2	21	24	0	-	-	-	-		
Writtle ...	99	32	3.5	-2.3	0.6	-	11.1	22	-9.4	8	3.1	-	45	115	9	19	15	11	13	13	1	2	1	3	19	25	-	0	2.43	-	-		
Southend ...	99	27	4.3	-0.7	1.8	-2.4	11.1	22	-7.8	8	-	-	40	112	13	19	17	9	10	8	0	1	1	4	15	18	-	1	2.40	92	-	-	
Maldon ...	99	4	3.7	-1.1	1.3	-	11.7	22	-6.7	8	-	-	42	-	8	20	21	11	10	-	0	1	0	5	19	-	0	-	-	-	-		
Earls Colne ...	99	49	3.7	-2.0	0.9	-	10.0	22, 23	-11.1	8	3.1	6.0	54	135	13	11	12	10	-	14	-	-	2	20	23	-	-	-	-	-	-		
Shoeburyness †	21-9	2	3.9	-0.4	1.7	-2.6	9.9	22	-6.9	8	-	-	40	122	9	19	18	8	12	8	1	2	1	3	17	19	17	0	2.56	122	-	-	
Clacton-on-Sea †	99	16	3.7	-0.8	1.5	-2.2	7.2	6, 23	-7.8	8	3.8	5.9	47	130	10	11	15	10	10	9	1	0	1	0	14	17	-	0	2.45	90	-	-	
Walton-on-Naze	21-9	5	3.4	-0.7	1.3	-	7.2	1	-7.2	8	-	-	58	-	15	19	17	10	16	10	0	2	0	0	16	16	17	2	2.83	-	-	-	
Dovercourt ...	99	3	-	-	-	-	-	-	-	-	-	-	47	129	12	19	12	8	9	-	0	0	2	0	22	23	-	0	2.43	-	-	-	
4 MIDLAND COUNTIES																																	
Yorks., W. Riding																																	
Slaidburn ...	99	192	2.1	-3.2	-0.5	-	6.7	4	-11.7	16	-	-	70	57	14	10	18	12	16	18	0	0	1	4	22	25	-	0	2.23	-	-	-	
Malham Tarn ...	99	395	0.0	-4.4	-2.2	-	4.4	23	-11.1	8	2.3	-	47	37	11	5	18	12	9	28	0	0	0	8	26	25	-	0	2.46	-	-	-	
Huddersfield †	99	99	-	2.3	-	-	-	-	-10.0	16	1.9	4.8	75	105	15	1	16	14	-	22	-	-	2	17	23	-	-	1.86	116	-	-	-	
" Oakes	21-9	235	1.1	-2.5	-0.7	-	6.1	5	-9.5	8	1.9	4.7	84	100	17	1	21	18	19	26	1	3	3	6	23	25	22	0	2.49	131	-	-	S
Bradford †	99	134	1.9	-2.6	-0.3	-3.4	7.2	5	-8.9	8, 16	2.2	4.9	76	108	12	20	21	15	17	20	0	1	0	2	20	23	-	0	-	-	-	-	
Ilkley ...	99	96	2.4	-2.1	0.1	-3.1	6.7	5, 6	-8.3	16	-	-	88	105	18	1	19	18	19	21	0	3	0	7	20	-	-	0	2.12	100	-	-	-
Sheffield ...	99	131	2.5	-1.5	0.5	-3.3	7.2	4, 11	-7.2	8	2.4	5.7	101	165	23	20	19	16	5	22	0	0	0	0	20	25	-	0	2.27	122	-	-	-
Pontefract ...	99	78	2.3	-2.0	0.1	-3.4	8.3	4	-7.2	8, 15	-	-	59	125	26	20	15	13	17	19	0	0	0	8	23	24	-	0	-	-	-	-	
Bramham ...	99	54	2.1	-2.4	-0.1	-	7.2	4, 5	-10.0	15	-	-	51	122	6	14	19	13	12	19	0	2	0	1	21	26	-	0	2.28	-	-	-	-
Cawood ...	99	6	2.4	-2.5	-0.1	-	8.3	4	-11.1	17	2.2	4.9	46	108	8	20	15	12	11	18	1	0	0	1	20	23	-	0	2.41	-	-	-	-
Askham Bryan ...	99	34	2.3	-2.3	0.0	-	8.3	4	-9.4	16	-	-	47	105	11	10	15	12	15	16	0	0	0	1	16	19	-	0	2.11	92	-	-	-
Derby																																	
Buxton †	99	307	0.8	-4.0	-1.6	-3.6	4.4	5, 11	-10.6	16, 17, 18	1.2	3.8	104	103	20	20	21	16	20	25	0	0	0	13	22	23	-	1	-	-	-	-	
Ashover ...	99	186	1.6	-2.9	-0.7	-	7.2	4	-11.1	15	-	-	92	-	19	20	18	17	20	24	0	1	0	6	21	27	-	0	2.62	-	-	-	-
Derby ...	99	48	3.2	-1.9	0.7	-	7.8	4, 5	-11.7	8	-	-	61	106	13	20	18	14	10	14	0	0	0	1	17	22	-	1	2.54	-	-	-	-
Morley ...	99	107	2.5	-2.6	-0.1	-	7.8	4	-12.8	8	-	-	66	136	15	20	17	14	16	18	0	5	0	-	19	23	-	0	2.59	-	-	-	S
Wingerworth ...	99	126	2.0	-2.9	-0.5	-	7.8	4	-12.2	15	2.3	-	95	-	19	20	19	18	19	22	0	4	0	6	19	28	-	0	-	-	-	-	-
Nottingham																																	
Sutton Bonington	99	48	2.9	-2.0	0.5	-3.1	7.8	4	-11.1	8	2.9	5.4	62	145	13	20	16	12	11	14	0	1	0	1	18	24	-	1	2.45	111	-	-	-
Watnall ...	21-9	117	2.5	-2.2	0.1	-3.4	8.0	4	-9.4	8	-	-	61	119	12	20	19	14	17	18	1	6	0	6	22	23	21	0	2.13	96	-	-	-
Mansfield ...	99	110	1.7	-2.2	-0.3	-3.6	6.7	4	-8.9	17	1.5	-	76	146	16	20	16	15	12	-	0	0	0	2	18	20	-	0	-	-	-	-	-
Nottingham †	99	59	3.3	-1.4	0.9	-3.0	9.4	4	-10.6	8	1.9	4.3	50	111	15	20	18	11	15	14	0	0	0	3	17	21	-	0	2.37	123	-	-	-
Warsop ...	99	46	(2.5)	-3.1	(-0.3)	-	8.9	5	-15.6	15	-	-	60	137	14	20	17	13	8	16	0	0	0	4	21	25	-	0	2.41	-	-	-	-
Finningley ...	21-9	10	3.3	-1.5	0.9	-2.8	9.7	4	-9.1	15	-	-	60	-	11	10	17	14	15	5	0	1	0	1	18	19	20	0	2.36	-	-	-	-
Leicester																																	
Newtown Linford	99	119	2.3	-2.3	0.0	-	7.2	4	-10.0	8	-	-	68	133	15	20	19	13	11	14	0	1	0	3	20	22	-	0	2.43	-	-	-	-
Caldecott ...	99	53	3.2	-2.4	0.4	-	7.8	6	-13.9	8	-	-	59	159	15	19	11	10	-	7	-	-	-	12	19	21	-	-	2.18	-	-	-	-
Northampton																																	
Bugbrooke Mills	99	69	2.8	(-2.1)	(0.3)	-	7.2	23	-11.7	8	2.8	(5.7)	57	139	12	19	12	9	4	8	0	1	0	2	19	-	-	0	2.20	-	-	-	-
Raunds †	99	59	2.8	-2.1	0.3	-3.2	7.8	22	-10.6	8	2.4	6.4	55	146	10	19	15	10	11	9	0	1	0	3	20	18	-	0	2.29	99	-	-	-
Wittering ...	99	65	2.9	-1.7	0.6	-3.0	7.1	6																									



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS FEBRUARY, 1969

DISTRICT, COUNTY AND PLACE		Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE			
					MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)		Percentage of 1916-59 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C.	Concrete min. below 0°C.	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure
					Max. (A)	Min. (B)			Maximum	Date	Minimum	Date			30 cm.	122 cm.		Amount (mm)	Date															
					4 MIDLAND COUNTIES — contd.																													
Hereford																																		
	Lyonshall ...	99	155	3.2	-1.6	0.8	-2.8	8.3	11	-7.2	8.16	-	-	97	151	20	21	15	14	-	-	-	-	-	-	19	25	-	-	-	-	-	-	-
	Ross-on-Wye §§	21-9	68	3.8	-0.9	1.5	-3.0	10.1	11	-6.9	8	3.1	6.3	68	133	12	20	16	12	10	9	0	0	0	2	18	20	-	0	2.17	86	-	-	
	Preston Wynne	99	84	3.4	-1.9	0.7	-	8.9	11	-9.4	8	-	-	64	148	12	23	13	11	10	8	0	1	0	1	19	24	-	0	2.35	-	-	-	
Gloucester																																		
	Filton ...	21-9	59	4.3	-0.4	1.9	-2.5	10.8	23	-6.5	16	-	-	36	66	6	21	15	9	15	5	3	1	1	2	18	20	16	0	2.36	-	-	-	
	Hempsted ...	99	12	4.1	-1.2	1.5	-	10.0	23	-7.2	3	4.1	7.3	47	92	8	20	17	10	12	5	0	1	0	0	14	18	-	0	2.21	-	-	-	
	Gloucester ...	21-9	24	4.4	-0.4	2.0	-	10.2	23	-6.9	17	-	-	49	-	8	20	16	10	15	7	1	1	0	0	15	20	17	0	2.20	-	-	-	
	Cheltenham ...	99	65	3.5	-1.1	1.2	-2.9	10.0	23	-7.8	8	-	-	50	103	8	19	13	-	-	-	-	-	-	-	-	-	-	-	1.80	-	-	-	
	Cirencester ...	99	135	3.3	-2.0	0.7	-	8.9	23	-8.9	8	-	-	56	90	8	19	17	12	10	8	1	2	0	5	19	22	-	0	2.15	-	-	-	
	Little Rissington	21-9	226	2.3	-2.0	0.1	-	7.5	23	-8.5	8	-	-	37	65	6	10	16	12	19	11	3	1	0	8	22	24	21	2	2.30	-	-	-	
5 ENGLAND, S.E.																																		
Greater London																																		
	Kensington Palace	99	25	4.7	-0.4	2.1	-2.6	11.1	22, 23	-6.7	8	3.6	(5.8)	46	111	15	20	15	8	9	7	1	0	1	5	16	21	-	0	-	-	-	-	
	Hampstead ...	99	137	4.3	-	-	-	11.2	23	-	-	-	-	39	-	18	20	14	8	8	7	1	0	1	-	-	20	-	0	(2.57)(117)	S	-	-	
	St. James's Park	99	4	(5.1)	0.1	(2.6)	(-2.3)	11.7	22	-6.1	8	-	-	49	-	15	20	9	7	4	-	0	0	1	-	15	9	-	0	-	-	-	-	
	Camden Square	99	34	4.7	-0.3	2.2	-2.4	11.7	23	-6.7	8	2.3	-	34	-	9	19	14	8	-	6	-	-	-	-	14	-	-	-	-	-	-	-	
	London/W.Centre	-	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.69	152	-	-	
	Greenwich ...	99	7	4.9	-0.9	2.0	-	12.2	22, 23	-7.8	16	-	-	42	109	14	19	12	7	4	6	0	1	0	0	16	22	-	0	2.31	129	-	-	
	Heathrow ...	21-9	25	4.9	-0.5	2.2	-2.1	11.9	23	-6.8	8	-	-	45	-	19	19	13	8	14	4	0	4	0	2	16	17	16	0	2.52	-	-	-	
	Hampton ...	99	12	4.9	-0.5	2.2	-	12.2	23	-6.1	8	-	-	35	88	13	19	13	8	10	6	3	1	1	3	16	22	-	0	2.53	-	-	-	
	Wealdstone ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.55	-	-	-	
	Southgate ...	99	67	4.5	-1.1	1.7	-	11.7	23	-8.3	8	3.9	-	45	106	13	19	15	18	11	5	0	0	1	0	17	25	-	0	2.37	-	-	-	
	Kew §§	21-9	5	4.8	-0.3	2.3	-2.3	11.6	22	-6.2	8	3.3	6.2	39	101	13	19	10	7	11	5	1	1	1	3	14	17	17	0	2.52	112	-	-	
	Waddon ...	99	67	-	-0.8	-	-	-	-	-7.2	8	-	-	40	79	15	19	11	9	-	-	-	-	-	-	14	-	-	-	-	-	-	-	
	Addington ...	99	144	(3.9)	-1.5	(1.1)	(-2.5)	11.1	23	-8.3	8	-	-	43	81	14	19	15	10	-	-	-	-	-	4	18	-	-	-	-	-	-	-	
	Bromley ...	99	65	-	2.5	-	-	-	-	-9.4	8	-	-	(40)	(89)	11	19	12	10	-	7	-	-	-	-	0	18	-	-	-	-	-	-	
Surrey																																		
	Gatwick ...	21-9	59	4.7	-1.5	1.6	-2.2	12.6	23	-8.7	15	-	-	48	88	19	19	17	6	14	9	0	5	0	1	18	23	18	0	2.76	-	-	-	
	Wiseley	99	35	4.8	-0.8	2.0	-2.1	13.9	22	-6.7	8	3.6	(6.1)	33	71	9	19	13	7	-	3	-	-	-	1	17	-	-	2.26	102	-	-	-	
	Mickleham ...	99	55	4.7	-2.3	1.2	-	12.8	23	-8.9	15, 16	-	-	47	80	18	19	12	5	8	7	1	0	0	0	18	23	-	1	-	-	-	-	
Kent																																		
	Dartford ...	99	5	4.8	-0.9	1.9	-	12.2	22	-6.7	15	-	-	40	106	15	19	16	9	10	9	1	2	1	1	14	-	-	0	-	-	-	-	
	Hadlow College	99	27	4.6	-1.4	1.6	-	12.8	23	-7.2	8	3.6	6.0	38	-	14	19	13	9	13	7	0	2	0	3	20	24	-	0	2.41	-	-	-	
	Gillingham ...	99	4	4.2	-1.1	1.5	-	11.7	22	-7.2	8, 15	-	-	49	112	18	19	14	8	-	-	-	-	-	-	18	-	-	-	-	-	-	-	
	Isle of Grain	99	3	4.8	0.2	2.5	-	11.7	23	-6.1	8	-	-	39	-	17	19	15	8	8	7	0	0	0	1	12	17	-	0	2.30	-	-	-	
	Dungeness ...	21-9	3	4.4	-0.3	2.1	-2.2	9.5	22	-9.0	18	-	-	50	120	13	19	14	10	12	7	0	0	0	0	16	-	-	2	-	-	-	-	
	Whitstable ...	99	3	4.4	-0.3	2.1	-	11.7	22	-7.2	15	-	-	37	108	9	19	16	9	9	9	2	0	1	0	17	-	-	2	2.43	-	-	-	
	Folkstone ...	99	39	4.3	-0.3	2.0	-	9.4	23	-6.7	8	-	7.7	84	178	14	19	17	12	15	14	0	1	2	0	16	21	-	4	2.94	-	-	-	
	Elmstone ...	99	9	4.1	-1.1	1.5	-	9.4	22	-6.7	9	-	-	56	-	13	19	16	9	-	14	-	-	-	1	18	16	-	-	-	-	-	-	
	Herne Bay ...	99	6	4.3	0.2	2.3	-	11.1	22	-5.0	8, 9	-	-	48	128	11	19	17	9	11	8	1	1	1	0	12	-	-	0	2.38	-	-	-	
	Dover ...	99	6	(4.7)	(-0.3)	(2.2)	(-2.3)	10.6	22	-7.2	9	(3.8)	(5.7)	92	178	23	19	17	12	-	14	-	-	-	-	16	15	-	-	-	-	-	-	
	Deal ...	21-9	5	4.2	0.2	2.2	-	10.8	22	-6.2	8	-	-	69	-	13	19	18	12	15	13	0	2	1	1	15	17	18	2	-	-	-	-	
	Manston ...	21-9	44	3.8	-0.2	1.8	-	11.6	22	-6.2	8	-	-	51	140	10	7	17	11	16	12	1	5	2	0	16	12	18	1	-	-	-	-	
	Ramsgate ...	99	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Margate	99	16	4.8	0.5	2.5	-2.2	11.1	22	-4.4	8	-	6.3	36	102	7	6	17	10	10	10	0	0	2	1	12	-	-	1	-	-	-	-	
	West Malling ...	99	93	4.2	-1.8	1.2	-	11.5	23	-7.8	15	-	-	47	-	13	19	14	8	10	10	1	3	1	3	21	24	19	0	2.57	-	-</		



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS FEBRUARY, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL		WEATHER												BRIGHT				
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						(Terminal hour 9 GMT)		Number of Days				SUNSHINE												
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date	30 cm.	122 cm.	Total (all inches)	Percentage of 1916-50 average	Amount (mm)	Date	0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost*	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure
5. ENGLAND, S.E. — contd.																																
Hampshire — contd.																																
Southsea	99	2	5.9	0.4	3.1	-1.9	12.8	23	-5.0	8	4.3	7.7	36	66	13	19	10	8	5	4	0	1	0	0	14	22	-	0	3.00	105	-	
Hayling Island ...	99	4	5.3	-0.2	2.5	-	10.6	23	-5.0	8	-	-	43	-	18	19	12	8	7	2	0	0	0	1	13	-	0	3.06	-	-	-	
Long Sutton ...	99	156	3.7	-2.1	0.8	-2.6	10.6	23	-7.8	8	-	-	48	81	13	18	13	11	15	6	1	1	0	5	20	25	-	0	2.42	98	S	
Alice Holt Lodge	99	115	4.1	-1.6	1.3	-	11.1	23	-7.2	8.15	-	-	50	85	17	19	15	11	8	4	1	0	0	2	18	25	-	0	2.61	-	-	
S. Farnborough	99	69	4.6	-1.7	1.5	-1.4	11.7	23	-8.9	8	-	-	44	89	14	19	12	7	17	4	1	4	0	4	21	19	17	0	2.52	103	-	
Isle of Wight																																
St. Catherine's Pt.	99	16	5.6	0.2	2.9	-1.9	9.5	22	-6.5	8	-	-	45	81	21	19	12	7	6	-	0	0	0	0	13	-	-	5	-	-	-	
Ventnor *	99	135	5.4	0.2	2.8	-2.3	9.4	11, 22	-5.0	8	3.9	7.1	53	87	20	19	14	8	5	3	1	0	0	0	15	17	-	0	3.02	99	-	
Shanklin	99	55	5.2	0.2	2.7	-	10.0	22	-5.0	8	-	-	50	73	19	19	14	9	7	-	1	0	2	1	15	-	0	3.05	-	-	-	
Sandown	99	4	5.4	0.3	2.9	-2.3	10.0	1	-4.4	8	-	-	42	72	18	19	12	7	7	5	0	0	1	1	14	-	0	3.01	-	-	-	
Ryde	99	5	5.6	0.6	3.1	-2.0	11.1	22	-3.9	8	-	-	42	73	16	19	12	10	7	2	2	0	0	1	12	-	4	2.84	103	-	-	
Wiltshire																																
Lacock	99	49	4.2	-1.8	1.2	-	10.0	23	-7.8	20	-	-	26	48	5	10	15	10	-	8	-	-	-	0	17	22	-	-	-	-	-	
West Lavington	99	93																														
Lyneham	21-9	145	3.5	-1.7	0.9	-2.8	9.9	23	-7.0	4.8, 16	-	-	29	55	5	10	14	9	17	6	3	4	0	4	19	23	23	0	2.34	-	-	-
Larkhill	99	132	4.1	-2.1	1.0	-2.6	10.2	23	-7.8	16	-	-	37	72	6	10	12	10	8	4	0	0	0	2	17	22	23	0	-	-	-	-
Boscombe Down	21-9	126	4.2	-1.5	1.3	-2.6	10.6	23	-6.5	8	-	-	38	73	7	20	14	10	14	5	1	2	0	3	17	23	21	0	2.33	88	-	-
Upavon	21-9	176	3.4	-1.9	0.7	-	9.8	23	-7.6	3	-	-	51	93	10	19	14	13	19	6	1	5	0	4	22	23	21	1	-	-	-	-
Porton	99	111	4.2	-2.1	1.1	-2.5	10.4	23	-7.0	15	2.0	-	41	74	8	19	12	11	-	4	-	-	-	3	18	23	22	-	2.41	90	-	-
7a. ENGLAND, N.W.																																
Cumberland																																
Sellafield	99	13	4.7	(-0.9)	(1.9)	-	11.7	23	-7.2	8	-	-	32	46	13	10	7	5	-	7	-	-	-	0	13	19	-	-	3.03	-	-	-
Carlisle	21-9	26	3.2	-1.9	0.7	-	8.2	11	-13.6	16	-	-	42	-	13	10	13	6	17	10	1	2	0	3	14	18	20	0	2.66	-	-	-
Newton Rigg	99	171	2.2	-3.9	-0.9	-3.8	7.8	23	-20.0	16	1.3	-	50	80	10	10	13	10	-	15	-	-	-	1	18	23	-	-	2.02	86	-	-
Spadeadam	99	274	0.7	-4.6	-1.5	-	4.4	4, 5, 11	-15.0	16	1.4	3.6	57	-	14	10	19	11	19	24	0	0	0	7	24	27	-	1	2.37	-	-	-
Westmorland																																
Ambleside	99	46	3.6	-2.0	0.8	-	10.0	23	-13.3	16	-	-	73	47	17	1	15	10	13	13	2	0	0	1	16	-	0	-	-	-	S	
Great Dun Fell	21-9	847	-3.7	-6.5	-5.1	-	1.2	10	-13.5	8	-	-	-	-	-	-	-	-	-	28	-	-	-	19	28	-	-	1.89	-	-	-	
Moor House	99	556	-1.2	-7.2	-4.2	-	3.9	23	-18.3	16	1.0	-	142	99	19	27	24	16	-	28	-	-	-	7	27	28	-	-	2.05	-	-	-
Lancashire																																
Squires Gate	21-9	10	3.7	-1.1	1.3	-2.8	9.6	23	-13.2	17	-	-	61	110	16	10	17	9	14	12	1	4	0	3	13	19	19	0	2.07	84	-	-
Aigburth	99	14	3.9	-0.7	1.6	-	8.0	23	-8.9	18	1.9	6.9	68	-	14	10	20	15	11	14	0	4	1	3	14	18	-	0	1.68	-	-	-
Southport	99	5	3.9	-2.5	0.7	-	10.0	23	-16.1	16	1.9	(7.2)	74	135	17	10	18	12	-	11	-	-	-	1	16	19	-	-	2.06	-	-	-
Poulton-le-Fylde	99	12	(4.2)	(-1.8)	(1.2)	-	9.4	23, 25	-15.0	16	-	-	75	122	31	10	15	11	3	6	0	0	0	2	14	-	-	0	-	-	-	-
Grizedale	99	91	3.4	-3.8	-0.2	-	10.0	23	-13.9	16	2.1	-	54	-	12	10	19	10	13	18	0	0	0	2	20	27	-	0	-	-	S	
Speke	21-9	22	3.5	-1.4	1.1	-	8.0	11	-9.8	17, 18	-	-	72	139	15	10	21	14	18	13	3	4	1	3	17	19	23	0	1.70	-	-	-
Kirkham	99	24	3.7	-2.4	0.7	-	9.4	23	-15.0	16	-	-	53	84	17	10	16	10	9	13	2	1	1	1	17	21	-	0	2.23	-	-	-
Garstang	99	21	(3.7)	(-2.8)	(0.5)	-	9.4	23	-12.2	17, 18	-	-	41	64	10	8	11	8	-	12	-	-	-	1	17	22	-	-	2.23	-	-	-
Bailrigg	99	50	3.5	-2.4	0.5	-	8.6	23	-10.1	9	-	-	34	-	12	10	9	6	-	9	-	-	-	1	19	25	-	-	2.28	-	-	-
Morecambe	99	7	3.6	-1.3	1.1	-2.8	10.6	23	-7.2	16	-	-	49	76	12	10	11	10	5	7	0	1	0	2	14	-	0	2.45	100	-	-	-
Penketh	99	15																														
Preston	99	33	3.7	-2.1	0.8	-	8.3	23	-13.3	16	-	-	53	78	15	10	14	9	11	10	0	4	1	5	15	20	-	1	-	-	-	-
Bolton	99	107	2.8	-2.1	0.3	-	8.9	23	-9.4	8	2.6	-	91	-	24	10	19	11	-	18	-	-	-	2	20	24	-	-	2.30	-	-	-
Stonyhurst	99	115	2.9	-2.5	0.2	-3.1	7.2	4, 23	-11.7	16	-	-	58	63	18	10	15	10	-	15	-	-	-	1	18	24	-	-	2.15	101	-	-
Manchester/W. Centre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Helmshore	99	260	1.6	-2.9	-0.7	-	7.8	23	-7.8	8, 16	2.4	-	104	84	21	10	-	-	-	21	-	-	-	4	22	27	-	-	2.07	-	-	-
Burnley	99	200	2.1	-3.5	-0.7	-	6.7	23	-13.3	16	2.8	5.5	71	-	12	10	22	17	7	17	0	0	1	11	20	24	-	0	-	-	-	-
Nelson	99	165	1.9	-3.0	-0.5	-	6.7	4	11.7	16	-	5.2	58	62	11	1	18	13	-	20	-	-	-	4	19	26	-	-	1.74	-	-	S
Rochdale	99	110	2.4	-3.2	-0.4	-	7.2	23	-12.2	8, 9	-	-	67	75	14	10	16	12	18	13	3	0	0	5	19	24	-	3	-	-	-	S
Cheshire																																



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS FEBRUARY, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE		
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916—50 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date	0.2 mm or more	1.0 mm or more													
8a. SOUTH WALES.																																
Cardigan																																
Aberporth ...	21-9	133	4.2	0.5	2.3	-2.5	11.0	23	-7.0	17	-	-	46	58	7	1	18	11	12	10	6	4	1	0	14	14	12	1	2.25	-	-	-
Aberystwyth																																
Frongoch ...	9 9	138	4.0	-1.4	1.3	-3.0	10.0	23	-6.7	16,17	-	-	45	60	8	6	14	12	13	10	4	0	0	4	18	24	-	2	1.78	67	-	-
Gogerddan ...	9 9	31	4.8	-1.5	1.7	-	11.1	23	-8.3	3,4	-	-	57	73	13	6	21	13	10	9	4	0	1	0	13	22	-	2	1.95	-	-	-
Swyddffynnon	9 9	165	3.6	2.4	3.0	-	9.4	23	-10.6	17	-	-	90	89	13	6	15	15	-	17	-	-	-	1	14	24	-	-	1.96	-	-	-
Trawscoed ...	9 9	61	4.1	-2.6	0.7	-	8.9	23	-11.7	8,16,17	4.7	-	65	71	13	6	12	10	5	11	0	0	0	0	14	-	-	0	1.75	-	-	-
Llety-evan-hen	9 9	290	2.3	-2.4	-0.1	-	7.8	23	-8.9	13	-	-	65	59	13	10	12	12	4	0	1	3	19	25	-	3	2.27	95	-	-	-	-
Cwmystwyth ...	9 9	301	-	-3.3	-	-	-	-	-11.7	20	-	-	106	-	19	6	12	11	-	16	-	-	-	-	19	22	-	-	-	-	-	-
Pembroke																																
Dale Fort ...	9 9	33	5.6	1.1	3.3	-	9.4	22	-6.1	16	4.4	-	93	-	15	14	18	13	6	9	2	1	0	2	10	12	-	1	2.89	-	-	-
Milford Haven C.B.*	21-9	37	5.0	0.9	2.9	-	10.0	11	-8.0	16	-	-	79	-	12	21	17	11	10	10	3	1	0	2	12	16	15	4	-	-	-	-
Brawdy ...	9 9	110	4.6	-0.8	1.9	-	9.4	11	-10.6	16,17	-	-	109	125	22	2	14	13	11	10	3	1	0	3	14	21	-	5	2.71	-	-	-
Orielton ...	9 9	61	4.9	-0.3	2.3	-	10.0	10	-9.4	16	4.3	-	108	-	20	19	19	16	10	11	3	0	0	2	13	23	-	0	-	-	-	-
Haverfordwest ...	9 9	8	-	-	-	-	-	-	-	-	-	-	69	-	9	22	19	17	9	-	0	0	0	0	20	-	-	0	2.59	-	-	-
Carmarthen																																
Carmarthen ...	9 9	15	5.3	-1.5	1.9	-	12.2	23	-13.3	17	3.9	-	102	-	19	21	21	19	12	12	3	5	0	1	15	22	-	4	2.69	-	-	-
Cenarth Mill ...	21-9	282	(1.9)	(-3.6)	(-0.9)	-	6.9	11	-16.0	17	-	-	96	-	16	1	22	15	-	16	-	-	-	-	20	22	-	-	-	-	-	-
Radnor																																
Llandrindod Wells†	9 9	235	2.6	-2.7	-0.1	-3.2	7.8	11	-10.0	17	3.2	-	78	95	12	1	18	17	14	13	1	0	0	0	20	-	-	0	1.80	81	S	-
Brecknock																																
Llwynon ...	9 9	262	3.0	-2.6	0.2	-	7.8	11,23	-8.3	8,9,16	-	-	112	-	12	21	20	17	14	14	0	0	0	1	19	-	-	0	-	-	-	-
Glamorgan																																
Mumbles ...	21-9	36	4.8	-0.0	2.4	-	10.0	11	-5.7	8	-	-	-	-	-	-	-	-	9	3	3	0	0	0	15	16	14	7	-	-	-	-
Penmaen ...	9 9	82	4.7	-0.4	2.1	-	10.0	11,23	-7.8	16	-	-	70	-	12	7	18	15	10	14	0	0	0	2	14	23	-	1	-	-	-	-
Swansea	9 9	8	5.6	0.3	2.9	-2.4	11.1	23	-5.0	16	3.2	7.1	71	86	8	23	17	16	5	6	0	0	0	1	13	-	-	0	1.85	69	S	-
Port Talbot ...	9 9	7	5.5	0.3	2.9	-	11.7	23	-6.1	16	-	-	45	58	5	19,22	17	15	8	4	1	0	0	0	13	16	-	-	2.58	-	-	-
Neath ...	9 9	62	5.1	0.0	2.5	-	11.1	23	-5.6	16	-	-	54	59	8	22	17	15	9	7	0	0	0	0	14	19	-	1	-	-	-	-
Rhoose ...	21-9	67	4.4	-0.8	1.8	-	9.8	11	-6.2	16	-	-	49	78	15	21	11	11	12	4	4	1	1	1	17	20	21	1	2.47	92	-	-
Cardiff	9 9	62	4.9	-0.5	2.2	-2.4	10.6	11	-5.6	8	3.9	6.6	59	77	34	21	11	9	7	-	0	0	1	1	14	23	-	-	2.36	-	S	-
Monmouth																																
Tredegar ...	9 9	313	2.3	-2.7	-0.2	-	7.8	23	-11.1	8	-	-	98	71	19	19	18	17	15	16	0	0	0	5	21	25	-	2	1.80	-	S	-
Newport ...	9 9	23	4.5	-0.6	1.9	1.3	10.6	11	-5.6	17	-	-	46	62	12	21	14	8	10	4	0	1	1	1	17	24	-	0	2.62	-	-	-
Usk ...	9 9	21	4.1	-1.6	1.3	-	10.0	11	-11.7	9	-	-	68	90	34	21	13	9	5	0	0	0	0	1	13	20	-	0	2.21	-	-	-
Crumblant ...	9 9	245	2.4	-2.5	-0.1	-	7.2	11,23	-7.8	8	2.3	4.7	77	103	16	19	16	16	11	13	0	0	0	5	21	-	1	2.27	-	-	-	-
8b. ENGLAND, S.W.																																
Somerset																																
Hawkridge ...	9 9	314	3.0	-2.1	0.5	-	7.8	23,24	-7.2	16,17	-	-	91	74	18	21	23	13	14	17	1	3	0	8	19	25	-	0	2.03	-	-	-
Williton ...	9 9	96	4.5	-0.7	1.9	-	9.4	11,23	-7.8	16	3.2	-	90	-	28	19	14	11	12	6	2	0	0	5	16	23	-	2	-	-	-	-
Cannington ...	9 9	29	4.9	0.1	2.5	-	11.7	23	-5.6	16	4.6	-	77	145	21	16	16	10	-	-	-	-	-	-	1	13	20	-	-	2.71	100	-
Weston-super-Mare	9 9	9	5.0	0.3	2.7	-2.2	11.7	23	-5.0	16	-	-	53	96	11	21	10	9	10	3	1	0	0	3	13	-	-	1	2.50	95	-	-
Cricketer Malherbie	9 9	76	5.1	-0.6	2.3	-	11.7	23	-7.2	16	-	-	80	-	29	20	16	8	7	-	0	0	0	4	16	17	-	0	-	-	-	-
Cheddar ...	9 9	11	5.0	-0.5	2.3	-	11.7	23	-5.0	8,16	4.1	-	26	-	5,20	14	8	-	2	-	-	-	-	16	21	-	-	-	-	-	-	
Yeovilton ...	21-9	18	5.3	-0.7	2.3	-	11.9	23	-8.1	17	-	-	94	-	56	19	14	10	11	5	0	2	0	1	17	18	19	0	-	-	-	-
Rodney Stoke ...	9 9	40	4.6	-0.9	1.9	-	11.7	23	-6.7	16,17	3.8	6.8	33	-	6	21	12	8	-	0	-	-	-	3	17	23	-	-	-	-	-	-
Long Ashton †	9 9</																															



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS FEBRUARY, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days														BRIGHT SUNSHINE		
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-40 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1931-40 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Conc'd min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-40 average	Exposure
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date	Amount (mm)	Date			0.2 mm or more	1.0 mm or more															
9. NORTHERN IRELAND																																
Londonderry																																
Loughmore Forest	99	174	3.1	-2.9	0.1	-	7.0	5	-12.6	16	-	-	116	-	20	6	23	18	18	24	2	0	1	2	22	24	-	2	-	-	-	
Ballykelly ¶	21-9	2	4.3	0.0	2.1	-2.7	10.2	23	-8.6	16	3.3	6.2	86	138	10	1	20	15	19	12	6	3	1	2	13	19	15	0	2.06	-	77	
Derrynoyd Forest	99	88	4.0	-1.8	1.1	-	9.1	23	-11.2	16	-	-	95	-	13	11	19	16	12	16	0	1	0	1	17	24	-	-	-	-	-	
Somerset Forest	99	43	4.2	-1.2	1.5	-	9.5	23,24	-10.0	16	-	-	96	-	13	11	21	17	9	3	0	0	0	0	14	18	-	-	-	-	-	
Coleraine ...	99		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Garvagh Forest	99	88	3.5	-1.6	0.9	-	9.4	11	-9.4	16	2.9	6.2	114	-	12	1	20	16	13	17	3	0	1	0	14	23	-	-	-	-	-	
Moneydig ¶	21-9	34	3.9	-1.3	1.3	-2.9	8.9	23	-12.9	16	3.4	-	82	114	9	8	22	16	18	17	2	6	1	1	16	20	17	0	-	-	-	
Antrim																																
Portrush Golf Club	99	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ballymoney ...	99	55	4.5	-1.6	1.5	-	8.9	23	-10.6	16	-	-	79	-	15	11	20	16	14	-	0	0	0	0	15	-	-	-	-	-	-	-
Lisnafillan ...	99	38	4.0	-2.2	0.9	-	9.4	23	-13.3	16	-	-	87	-	11	11	19	16	16	14	0	0	0	1	15	21	-	2.18	-	-	-	
Aldergrove ¶	21-9	69	3.2	-1.3	0.9	-3.3	9.5	23	-10.3	17	3.2	6.5	75	110	20	22	21	15	20	12	4	2	0	0	13	20	18	0	2.34	102	-	
Greenmount ...	99	32	4.1	-1.7	1.2	-	9.4	23	-13.3	16	3.1	-	76	-	20	22	17	15	8	12	0	0	0	0	14	18	-	-	-	-	-	
Altnahinch ...	99	226	2.2	-2.3	-0.1	-	5.6	4,10,23	-8.9	16	-	-	166	-	35	22	24	19	13	18	0	21	0	0	23	25	-	10	1.81	-	-	
Parkmore Forest	99	235	2.2	-2.1	0.1	-	6.1	5,23	-9.4	15	3.7	-	134	-	23	22	23	19	14	19	1	0	0	0	19	24	-	3	-	-	-	
Black Mountain	21-9	295	1.3	-2.5	-0.6	-	7.0	23	-7.8	16	-	-	77	-	18	22	21	18	15	4	0	0	0	8	22	-	2	-	-	-	-	
Lowtown ...	99	271	1.6	-2.7	-0.5	-	5.6	4,5,23	-8.3	16	2.6	-	116	-	29	22	25	19	14	17	0	0	0	4	21	24	-	2	2.19	-	-	
Ballypatrick Forest	99	152	3.2	-1.4	0.9	-	7.4	10	-8.0	16	-	-	102	-	17	22	21	14	13	14	2	0	0	0	18	22	-	8	1.74	-	-	
Belfast, Malone*	99	35	3.8	-1.4	1.2	-	8.9	23	-12.2	16	2.9	-	94	-	20	22	21	14	4	-	0	1	0	1	25	25	-	-	2.17	-	-	
Newtownabbey	99	32	4.3	-0.1	2.1	-	8.3	5,10	-6.1	16	3.5	-	81	-	14	22	20	14	17	10	4	0	0	0	11	19	-	0	2.24	-	-	
Woodburn, North	99	217	2.3	-2.1	-0.1	-	6.7	5	-10.6	16	-	-	104	115	17	22	23	21	15	17	0	1	0	3	22	25	-	-	-	-	-	
Larne ...	99	43	4.6	-0.2	2.2	-	10.0	4	-6.1	15	-	-	81	101	9	5,11	19	16	12	13	1	0	0	0	11	-	-	-	-	-	-	
Kilroot ...	99	22	4.6	-0.2	2.2	-	8.9	4,5	-6.1	16	-	-	79	-	12	10	17	13	5	10	0	0	0	0	12	20	-	-	-	-	-	
Ballylumford ...	99	24	4.5	0.2	2.3	-	8.3	4,5	-3.9	7,8,9	-	-	76	-	8	17	21	17	6	-	1	0	0	0	11	12	-	-	-	-	-	
Down																																
Hillsborough §	99	116	3.3	-1.6	0.9	-3.1	8.3	23	-7.8	16	3.7	5.9	64	97	17	22	20	18	11	13	0	0	0	3	18	24	-	-	2.02	87	-	
Kilkeel ...	21-9	18	4.5	0.5	2.5	-2.6	9.4	11	-4.8	16	-	-	50	-	11	22	21	12	10	6	0	1	1	0	10	16	14	7	2.93	-	-	
Tollymore Park	99	76	4.0	-1.0	1.5	-	8.9	5	-7.2	16	-	-	83	84	20	24	18	16	10	12	1	0	0	2	17	22	-	-	-	-	-	
Rosetta ...	99	24	4.0	-0.8	1.6	-	8.3	23	-11.1	16	-	-	82	-	19	22	24	16	8	10	0	0	0	2	12	-	-	-	-	-	-	
Murlough ...	99	9	4.5	-1.2	1.1	-	9.4	5	-11.7	16	2.9	5.4	59	-	13	22	18	13	13	11	0	4	0	1	15	19	-	2	2.94	-	-	
Stormont Castle	99	56	4.1	-0.8	1.7	-	8.3	5	-6.1	16	2.9	5.4	83	121	17	22	20	14	13	13	2	7	0	4	17	23	-	0	2.16	-	-	
Downpatrick ...	99	21	4.2	-0.6	1.8	-	8.9	5	-8.3	16	-	-	52	-	12	22	18	11	6	-	0	0	0	0	13	19	-	-	-	-	-	
Creighton's Green	99	119	3.4	-0.6	1.4	-	7.8	4,23	-6.1	16	-	-	65	-	13	22	21	15	13	13	5	0	0	0	13	23	-	1	-	-	-	
Reagh Island**	99	12	4.4	-0.3	2.1	-	8.9	4	-5.7	16	-	-	50	-	8	22	18	15	-	-	-	-	0	14	18	-	-	2.73	-	-	-	
Helen's Bay ...	99	43	4.1	0.1	2.0	-	8.9	23	-5.0	16	-	-	68	-	9	22	20	16	12	12	0	3	0	1	11	19	-	1	2.29	-	-	
Killough ...	21-9	15	4.5	-0.0	2.3	-	8.5	11	-7.2	16	-	-	46	-	13	24	17	11	10	7	0	1	0	0	13	15	-	6	-	-	-	
Ballyhalbert ...	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60	-	-	-	
Armagh																																
Armagh ¶	99	62	4.2	-1.8	1.2	-3.4	8.9	11	-10.6	16	3.5	5.7	59	106	8	22	17	12	13	15	1	0	0	1	16	23	-	0	2.35	100	-	
Loughgall ...	99	25	4.1	-2.1	1.0	-	8.7	4,10	-12.8	16	-	-	51	95	11	24	17	10	13	16	0	1	0	1	17	21	-	0	2.36	-	-	
Glenanne ...	21-9	134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bessbrook ...	-	76	-	-	-	-	-	-	-	-	-	-	55	75	11	5	21	11	-	-	-	-	-	-	-	-	-	-	2.45	98	-	
Portadown ...	99	16	4.3	-1.7	1.3	-	9.4	23	-10.6	16	3.6	6.8	50	-	9	5	17	10	4	-	1	0	0	0	15	21	-	0	-	-	-	
Lurgan ...	99	55	4.0	-1.4	1.3	-	9.4	23	-11.1	16	2.8	5.6	46	-	11	22	18	9	-	-	-	-	-	-	16	20	-	-	2.00	-	-	
Tyrone																																
Lough Bradan ...	99	169	3.0	-2.4	0.3	-	7.2	10,23	-8.9	16	-	-	74	-	12	1	19	14	-	20	-	-	-	1	20	23	-	-	2.55	-	-	
Baronscourt Forest	99	88	4.5	-2.0	1.3	-	7.7	5,23	-10.8	16	-	-	69	-	11	6	18	15	11	16	1	0	0	0	14	23	-	-	-	-	-	
Strabane Convent	99	44	4.6	-1.6	1.5	-	8.5	10	-10.3	16	-	-	52	-	7	5	21	15	14	17	2	0	0	0	14	22	-	1	2.26	-	-	
Carrigans ...	21-9	113	3.5	-1.6	0.9	-	7.8	23	-9.8	16	-	-	70	-	11	6	19	14	19	16	5	0	0	0	1	15	22	2	-	-	-	
Lislap Forest ...	99	209	2.5	-3.4	-0.5	-	6.7	5	-10.0	15	2.9	-	75	78	12	6	21	18	15	19	0	0	0	1	22	24	-	1	-	-	-	
Knockmany Forest	99	73	4.1	-4.0	0.1	-	8.3	10	-11.8	15,17	-	-	66	-	15	5	17	12	13	12	1	0	0	2	26	26	-	-	-	-	-	
Pomeroy Forest	99	165	2.6	-2.7	-0.1	-	6.7	5,23	-7.8	9	2.7	-	83	-	12	22	19	14	16	18	0	0	0	2	22	24	-	1	-	-	-	
Cookstown ...	99	77	3.4	-1.8	0.8	-	7.8	10,23	-10.0	16	2.6	-	59	87	7	5	22	13	16	-	0	0	0	0	18	22	-	-	2.48	-	-	
Fermanagh																																
Roscor ...	99	143	4.0	-1.6	1.2	-	9.2	23	-7.5	16	-	-	74	90	14	6	21	14	11	18	3	0	0	1	16	24	-	-	-	-	-	
Lough Navar Forest	99	148	3.8	-2.2	0.8	-	8.7	4	-10.5	16	-	-	98	-	24	6	18	16	12	18	2	0	0	1	17	23	-	0	-	-	-	
C.Archdale Forest ¶	99	66	4.0	-2.1	0.9	-3.6	8.9	23	-11.1	9	3.3	5.3	85	115	13	6	19	15	8	9	0	0	0	1	16	22	-	0	2.49	102	-	
Lisnaskea ...	99	49	4.0	-2.3	0.9	-	8.9	10,23	-11.1	9	-	-	67	-	14	6	18	13	11	-	0	0	0	1	14	21	-	0	2.33	-	-	
Pubble Forest ...	99	91	4.2	-2.0	1.1	-	8.7	23	-8.9	16	-	-	72	-	15	5	18	14	10	9	1	0	0	3	17	24	-	-	-	-	-	
CHANNEL ISLES																																
Guernsey Airport	21-9	104	6.2	2.2	4.2	-2.0	10.5	21																								



TABLE IV

—SUMMARY OF OBSERVATIONS AT FIXED HOURS FEBRUARY, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Okta)										VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION														
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-2	3-5	6-7	8	9	0-39 m.	40-190 m.	200-390 m.	400-590 m.	1000-1900 m.	2000-3900 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
																									3 or more	4, 7	4, 8	1-3	Calm													
																																						SPEED IN KNOTS				
																																						22-33	11-21	1-10	0	
Number of Observations																																										
0	SCOTLAND, N.																																									
83	3	1013.0	-	-0.1	0.7	5.3	85	5.9	2	5	0	10	11	0	0	0	0	0	0	1	4	7	10	6	0	4	13	11	0	6	2	1	4	5	1	2	7	4				
	9	1013.3	+4.5	0.2	0.6	5.4	86	6.7	0	0	4	16	6	2	0	0	0	1	0	3	5	4	7	8	0	2	11	13	2	5	3	3	5	2	2	4	3					
	15	1013.4	-	0.6	0.7	5.5	85	6.2	0	3	6	10	8	1	0	0	1	2	1	4	5	9	5	0	4	9	14	1	7	4	0	6	3	2	2	3	3					
	21	1014.1	-	0.3	0.7	5.4	84	5.6	0	7	4	6	11	0	0	0	0	0	1	6	7	11	3	0	3	14	8	3	7	0	3	4	3	3	2	3	3					
26	3	1012.9	-	0.4	0.7	5.5	87	4.7	1	8	6	3	10	0	0	0	0	0	1	5	7	14	1	1	5	12	9	1	4	2	4	7	2	2	4	3	3					
	9	1013.3	+3.6	1.0	0.8	5.7	85	6.7	1	1	1	15	10	0	0	0	0	1	1	4	6	11	5	1	5	13	8	1	4	3	5	6	1	3	2	3	3					
	15	1013.4	-	1.9	0.9	5.9	83	6.2	0	1	7	14	5	1	1	0	0	1	1	3	4	11	7	2	7	8	8	3	6	3	3	6	3	2	2	0	3					
	21	1014.2	-	1.1	0.7	5.7	86	5.5	1	5	5	7	9	1	0	0	1	1	0	3	5	15	3	0	6	14	6	2	5	3	2	7	2	2	2	3	3					
37	3	1012.5	-	0.2	0.5	5.7	89	4.8	2	5	8	5	8	0	0	0	0	0	0	5	7	11	5	0	3	15	9	1	3	2	5	4	1	3	5	4	4					
	9	1013.1	+3.0	0.3	0.5	5.7	89	5.5	0	6	4	10	7	1	0	1	0	1	0	1	4	9	10	2	0	5	14	8	1	4	3	1	7	2	3	6	1					
	15	1013.1	-	1.6	0.7	6.0	87	6.3	0	2	5	12	6	3	0	0	1	2	0	1	5	10	4	5	0	10	8	10	0	5	2	5	6	1	3	4	2					
	21	1013.9	-	0.6	0.5	5.8	89	5.4	0	6	6	7	8	1	0	0	1	0	0	1	3	9	13	1	0	5	14	9	0	4	3	4	5	3	1	5	3					
113	3	1012.3	-	1.5	0.6	6.1	88	5.8	0	3	8	8	9	0	0	0	0	0	1	0	1	10	16	2	5	12	6	3	5	3	3	6	0	4	2	2	2					
	9	1012.7	-	1.6	0.7	6.1	88	6.4	0	2	4	11	11	0	0	0	0	0	0	2	1	10	15	0	6	16	5	1	4	1	5	7	0	5	2	3	3					
	15	1012.9	-	2.3	1.0	6.1	84	6.0	0	3	5	14	6	0	0	0	0	0	0	0	3	10	15	3	4	12	9	0	5	1	6	7	0	7	0	2	2					
	21	1013.6	-	1.8	0.8	6.0	85	4.8	0	6	10	7	5	0	0	0	0	0	0	0	0	9	19	1	7	10	9	1	4	2	6	7	0	3	2	3	3					
5	3	1013.1	-	1.4	0.6	6.0	88	4.1	4	5	8	5	6	0	0	0	0	0	0	4	6	16	2	0	2	15	10	1	8	1	5	3	2	2	5	1	3					
	9	1013.4	+3.3	1.8	0.7	6.1	87	5.6	0	3	9	15	1	0	0	0	0	0	1	2	8	15	2	0	3	13	8	4	5	0	6	6	2	1	3	1	3					
	15	1013.6	-	3.2	1.1	6.2	80	4.9	0	7	7	10	4	0	0	0	0	0	0	2	7	13	6	0	5	15	8	0	6	3	2	9	1	3	1	3	3					
	21	1014.6	-	1.4	0.7	5.9	87	3.7	6	8	4	2	7	1	0	0	0	1	0	0	1	11	13	2	0	6	9	12	1	6	0	6	6	3	1	2	3					
7	3	1013.3	-	1.5	0.8	6.0	86	4.5	5	4	7	6	6	0	0	0	0	0	1	1	4	4	14	4	0	1	14	9	4	8	0	5	2	3	1	3	2	2				
	9	1013.4	+3.0	2.2	0.9	6.1	85	6.1	0	1	7	16	4	0	0	0	0	0	0	4	10	7	7	0	4	8	15	1	3	1	6	5	3	0	3	6						
	15	1013.5	-	3.6	1.3	6.4	80	5.4	0	5	5	14	4	0	0	0	0	0	0	4	8	9	7	1	3	13	11	0	6	2	6	4	3	2	1	4	2					
	21	1014.7	-	2.0	0.9	6.0	84	3.9	2	11	4	8	3	0	0	0	0	0	0	1	9	11	7	0	5	11	5	7	5	3	5	1	1	3	1	2	2					
1 SCOTLAND, E.																																										
6	3	1013.1	-	-0.3	0.6	5.4	87	5.9	2	0	6	11	9	0	0	0	0	0	0	1	7	9	5	6	0	1	12	12	3	1	1	7	2	0	9	1	4					
	9	1013.7	+2.9	-0.3	0.6	5.4	87	5.8	0	4	3	15	6	0	0	0	0	0	0	8	9	6	5	0	1	11	15	1	2	2	8	1	1	6	2	5						
	15	1013.6	-	2.0	1.2	5.7	80	6.0	0	4	2	15	7	0	0	0	1	2	9	5	6	5	0	2	15	11	0	1	2	8	3	3	3	3	5	5						
	21	1014.3	-	0.2	0.6	5.6	87	6.0	1	2	3	16	6	0	0	0	0	0	0	10	10	7	1	0	3	10	14	1	3	1	9	1	2	7	1	3	3					
59	3	1012.6	-	-1.0	0.5	5.2	87	6.1	2	3	3	6	13	1	0	0	0	2	5	11	5	5	0	0	3	12	10	3	2	1	6	3	1	2	5	5	5					
	9	1013.3	+1.7	-1.1	0.6	5.1	86	6.3	1	2	1	14	8	2	0	1	1	3	8	8	3	4	0	0	0	17	7	4	2	0	6	3	0	2	3	8	8					
	15	1013.1	-	0.9	0.9	5.5	83	5.7	1	1	9	6	2	0	2	0	0	1	7	8	7	3	0	0	2	14	9	3	0	3	5	3	1	1	4	8						
	21	1013.7	-	-0.7	0.6	5.3	87	5.4	4	2	6	4	12	0	0	0	0	0	10	12	5	1	0	0	3	14	7	4	4	0	7	2	2	1	1	2						
22	3	1012.9	-	1.8	0.7	6.2	88	6.1	0	5	4	5	14	0	0	0	0	0	1	6	16	5	0	0	8	13	7	0	7	0	7	3	6	1	4	0	0					
	9	1012.9	-	2.0	0.7	6.2	87	6.5	0	1	5	13	9	0	0	0	0	0	1	8	14	5	0	1	8	11	7	1	8	1	4	6	2	2	3	1	1					
	15	1012.9	-	2.6	0.9	6.3	85	6.1	0	2	5	13	7	1	0	0	1	1	0	1	15	6	0	1	4	17	6	0	6	0	8	3	3	0	7	1	1					
	21	1013.6	-	2.3	0.9	6.2	85	6.7	1	2	1	9	13	2	0	0	1	2	0	6	13	6	0	3	7	9	9	0	7	1	7	3	3	2	5	0	0					
35	3	1012.2	-	0.7	0.9	5.4	80	5.1	1	9	1	5	12	0	0	0	0	0	5	1	8	14	5	0	3	16	9	0	6	2	6	2	1	0	5	6	6					
	9	1012.8	-	1.0	1.0	5.5	80	5.9	1	2	7	5	13	0	0	0	1	0	0	5	10	5	8	0	5	12	11	0	5	0	6	4	1	1	4	5	7					
	15	1012.6	-	2.6	1.0	6.2	83	5.5	1	3	7	8	8	1	0	0	1	0	0	6	6	5	10	0	1	15	11	1	4	2	6	4	1	1	5	4						
	21	1013.2	-	1.3	0.8	5.8	85	5.0	3	6	4	4	11	0	0	0	0	0	1	3	5	9	10	0	5	13	10	0	5	1	7	3	0	3	2	7	7					
12	3	1012.5	-	0.0	0.8	5.2	83	5.7	1	5	3	8	11	0	0	0	0	0	2	6	6	6	8	0	3	12	12	1	2	4	6	0	0	6	7	2	8					
	9	1013.0	+0.8	0.5	1.0	5.2	80	6.2	0	4	2	12	9	1	0	0	1	0	1	7	11	2	6	0	3	17	7	1	0	6	4	1	1	4	8	3	3					
	15	1012.7	-	2.7	1.4	5.7	76	6.0	1	3	6	10	8	0	0	0	1	0	1	4	11	5	6	0	4	14	10	0	0	5	8	0	1	1	8	5	5					
	21	1013.3	-	0.9	0.9	5.5	81	5.5	2	5	2	8	11	0	0	0	0	0	4	5	5	9	5	0	3	15	9	1	2	3	7	1	0	4	6	4						
44	3	1012.8	-	-0.6	0.7	5.1	84	5.7	4	3	1	7	13	0	0	0	0	1	1	9	9	5	3	0	1	11	11	5	1	4	5	0	0	6	5	2	2					
	9	1013.2	+0.4	-0.3	0.8	5.1	82	6.1	0	3	5	11	8	1	1	0	0	0	5	13	6	2	1	0	0	8	13	7	1	1	8	0	0	7	1	3	3					
	15	1012.8	-	2.6	1.4	5.6	74	6.0	2	1	5	13	7	0	0	0	0	0	5	10	6	3	4	0	0	16	10	2	1	6	6	1	0	4	5	3						
	21	1013.5	-	0.3	0.8	5.4	83	5.9	3	4	0	8	13	0	0	0	1	0	3	14	5	3	2	0	0																	



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS FEBRUARY, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Okta)					VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION														
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-2	3-5	6-7	8	9	0-10 m.	10-100 m.	200-300 m.	400-500 m.	1000-1900 m.	2000-3900 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																									SPEED IN KNOTS												
																									8 or more	4, 7	4, 5	1-3	Calm								
																									34 or more	22-33	11-21	1-10	0								
Number of Observations																																					
6a. SCOTLAND, W. — contd.																																					
Lowther Hill [Lanark]																																					
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Prestwick [Ayr]																																					
	3	1012.5	-	0.6	0.7	5.6	84	5.5	2	6	1	9	10	0	0	0	0	0	0	1	5	13	5	4	0	1	8	18	1	6	3	10	2	0	1	4	1
	9	1012.9	-0.1	0.8	0.9	5.5	84	6.1	0	3	5	12	8	0	0	0	0	0	0	2	11	8	3	4	0	2	5	18	3	4	4	8	2	1	1	1	4
	15	1012.5	-	3.4	1.7	5.7	72	5.9	0	1	7	17	3	0	0	0	0	0	0	1	3	15	6	3	0	4	12	12	0	6	2	10	1	2	1	3	3
	21	1013.3	-	1.3	0.8	5.8	85	5.4	2	4	4	11	7	0	0	0	0	0	0	1	7	14	2	4	0	1	6	19	2	6	4	9	1	0	3	1	2
Eskdalemuir [Dumfries]																																					
	3	1012.8	-	-1.9	0.6	4.7	84	5.3	6	2	2	3	14	1	0	0	1	0	0	1	13	5	7	1	0	4	9	12	3	2	8	4	0	1	4	0	6
	9	1013.1	-0.2	-1.7	0.6	4.8	84	5.5	1	6	2	11	8	0	0	0	0	0	0	4	10	6	3	5	0	2	12	8	6	2	6	4	1	0	3	1	5
	15	1012.5	-	-0.9	1.2	5.1	77	5.2	1	7	3	11	6	0	0	0	0	0	1	2	8	4	10	3	0	5	10	13	0	2	6	6	0	2	3	2	7
	21	1013.4	-	-1.4	0.6	4.8	83	4.9	6	4	2	3	13	0	0	0	0	2	2	10	7	6	1	0	2	8	10	11	5	1	8	5	1	3	0	1	4
Mull of Galloway [Wigtown]																																					
	3	1012.1	-	2.2	0.9	6.1	83	5.0	4	6	2	4	12	0	0	0	0	0	0	0	9	14	5	3	2	8	14	3	0	9	6	4	2	0	3	2	2
	9	1012.3	-	1.8	0.9	5.8	82	5.1	2	4	7	7	7	1	0	0	1	0	0	0	1	8	14	4	2	5	18	1	2	6	6	5	1	0	2	2	4
	15	1012.1	-	3.1	1.3	6.0	78	5.5	0	2	11	8	7	0	0	0	1	0	0	0	9	15	3	5	8	11	4	0	5	4	8	3	0	2	3	3	3
	21	1012.7	-	2.3	0.9	6.1	84	6.0	0	5	4	5	14	0	0	0	0	0	0	0	2	6	17	3	3	8	16	1	0	8	2	10	1	1	1	3	2
6b. ISLE OF MAN																																					
Ronaldsway																																					
	3	1011.5	-	2.4	1.0	6.1	82	5.9	0	7	1	9	11	0	0	0	0	0	0	0	7	9	6	6	2	3	11	12	0	8	5	5	2	0	1	3	4
	9	1011.6	-	2.4	1.1	6.0	81	5.7	0	5	5	10	8	0	0	0	0	0	0	1	8	9	4	5	1	4	13	9	1	7	6	5	1	0	1	3	4
	15	1011.6	-	3.5	1.3	6.2	78	6.3	0	3	3	14	8	0	0	0	0	0	1	2	5	14	2	4	1	4	17	5	1	4	4	9	1	0	1	2	6
	21	1012.2	-	2.5	1.0	6.2	82	6.4	0	2	4	12	10	0	0	0	0	0	0	2	6	11	5	4	1	5	13	9	0	3	6	8	0	0	2	4	5
Point of Ayre																																					
	3	1012.1	-	2.9	1.0	6.4	83	5.8	0	5	7	2	14	0	0	0	0	0	0	1	6	6	6	9	1	9	13	5	0	7	5	4	2	1	3	3	3
	9	1012.3	-	2.5	1.0	6.1	83	5.9	0	3	6	11	7	1	0	1	0	0	0	1	2	8	9	7	0	8	15	5	0	6	7	2	4	1	2	1	5
	15	1012.2	-	3.6	1.4	6.2	77	6.1	0	3	6	10	9	0	0	0	0	0	0	1	3	7	13	4	0	10	14	4	0	4	5	5	4	1	1	4	4
	21	1012.9	-	2.9	1.0	6.2	82	6.0	0	4	6	5	13	0	0	0	0	0	0	0	6	7	10	5	0	12	13	3	0	3	4	8	1	2	1	4	5
2. ENGLAND, N.E.																																					
Acklington [Northumberland]																																					
	3	1011.7	-	0.0	0.8	5.3	84	5.3	3	5	4	4	12	0	0	0	1	1	1	1	7	7	9	1	2	2	14	10	0	5	3	5	2	3	0	7	3
	9	1012.1	-0.6	-0.1	0.7	5.3	85	5.9	0	6	2	8	11	1	0	1	1	0	1	5	7	10	1	2	1	2	14	10	1	3	3	6	1	0	3	5	6
	15	1011.9	-	2.1	1.3	5.6	77	6.0	0	3	7	6	11	1	0	1	0	0	0	4	9	7	2	5	0	4	17	7	0	3	2	11	0	1	1	4	6
	21	1012.6	-	0.2	0.8	5.3	84	5.5	3	4	4	4	13	0	0	0	0	1	0	5	9	9	3	1	1	4	11	12	0	0	3	6	3	0	1	7	8
Tynemouth [Northumberland]																																					
	3	1011.8	-	0.9	0.9	5.5	81	5.8	4	1	4	4	15	0	0	0	0	0	0	3	4	15	6	0	1	10	13	4	0	4	1	6	1	3	2	5	6
	9	1012.2	-1.0	0.6	0.9	5.4	81	5.9	1	2	8	4	13	0	0	0	0	1	0	9	10	7	1	0	1	7	13	6	1	1	3	7	1	2	1	7	5
	15	1012.1	-	2.5	1.3	5.8	78	6.1	0	1	9	7	10	1	0	1	0	0	0	4	11	12	0	0	7	17	2	2	3	3	8	1	1	0	6	4	
	21	1012.7	-	1.3	0.9	5.7	82	5.9	4	1	2	9	12	0	0	0	0	1	3	5	19	0	0	1	7	16	4	0	2	2	9	1	1	1	9	3	
Seahouses [Northumberland]																																					
	3	1011.9	-	1.1	0.7	5.8	86	6.1	0	4	4	8	12	0	0	0	0	0	1	2	13	6	0	0	1	8	8	10	1	4	5	5	0	3	0	7	3
	9	1012.3	-	1.1	0.8	5.7	83	5.9	0	4	5	8	11	0	0	0	0	0	2	12	3	6	5	0	1	5	8	14	0	6	3	6	0	2	1	9	1
	15	1012.1	-	2.8	1.1	6.1	81	6.1	0	3	5	8	11	1	0	1	0	0	2	11	4	5	5	0	4	16	7	1	5	1	8	2	1	1	6	3	
	21	1012.6	-	1.5	1.1	5.5	79	5.8	0	8	1	3	16	0	0	0	0	0	0	2	11	7	8	0	0	6	9	13	0	4	3	8	0	2	3	5	3
Leeming [Yorks, N.Riding]																																					
	3	1011.6	-	-0.6	0.8	5.1	84	5.7	6	1	2	3	14	2	0	1	1	1	8	1	5	2	4	5	0	1	8	14	5	5	3	3	0	4	1	2	5
	9	1011.9	-	-0.8	0.7	5.1	84	6.0	0	7	0	7	12	2	0	2	0	1	4	2	10	3	1	5	0	2	6	15	5	7	2	3	2	4	0	3	2
	15	1011.6	-	2.2	1.4	5.5	75	6.3	0	4	4	6	13	1	0	1	0	0	2	0	13	5	1	6	0	1	12	13	2	3	6	6	0	1	0	5	5
	21	1012.2	-	0.1	0.9	5.1	81	5.5	4	3	2	7	11	1	0	0	0	2	2	4	7	4	4	5	0	0	10	12	6	5	2	5	1	2	1	5	1
Whitby C.G. [Yorks, N.Riding]																																					
	3	1010.5	-	1.2	0.7	5.8	86	6.7	0	2	2	8	16	0	0	0	0	0	0	1	13	13	1	0	3	6	11	8	0	2	2	8	0	4	5	2	5
	9	1010.6	-	1.1	0.7	5.8	85	6.5	0	1	7	5	14	1	0	0	0	0	0	1	10	17	0	0	3	8	11	6	0	3	2	8	0	4	2	3	6
	15	1010.5	-	2.2	0.9	6.1	84	7.1	0	1	1	12	13	1	0	1	0	0	0	0	10	14	3	0	2	8	13	4	1	0	5	8	1	1	1	3	8
	21	1011.3	-	1.5	0.8	5.8	84	6.1	2	2	4	7	13	0	0	0	0	0	1	1	12	14	0	0	2	4	13	9	0	2	3	9	1	2	4	2	5
Leconfield [Yorks, E.Riding]																																					
	3	1011.1	-2.8	-0.2	0.7	5.2	84	6.1	0	5	3	7	11	2	0	1	0	2	1	5	15	1	3	0	0	4	7	16	1	2	2	8	1	1	2	4	7
	9	1010.8	-	2.0	1.0	5.9	83	6.6	0	2	5	6	12	3	0	0	1	1	4	2	15	2	2	1	0	1	16	10	1	5	3	7	1	2	0	3	6
	15	1010.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	21	1010.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS FEBRUARY, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Okta)						VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION															
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
																									SPEED IN KNOTS														
																									0-10	11-20	21-30	31-40	41-50										
																									0-10	11-20	21-30	31-40	41-50										
Number of Observations																																							
3. ENGLAND, E. — contd.																																							
Mildenhall [Suffolk]	12	3	1010.5	-	-0.5	0.4	89	5.4	6	1	3	5	13	0	0	0	1	2	3	3	14	4	1	0	0	0	9	19	0	3	3	5	1	2	4	6	4		
	9	1010.6	-4.5	-0.1	0.6	5.4	87	5.7	0	7	2	7	11	1	0	0	0	1	4	9	9	4	1	0	0	0	8	20	0	5	4	5	1	2	4	3	4		
	15	1010.1	-	2.8	1.1	6.2	81	6.0	1	4	2	10	10	1	0	0	0	1	1	4	16	5	1	0	0	0	11	17	0	3	3	7	2	0	2	4	7		
	21	1011.1	-	0.6	0.6	5.7	87	6.0	2	2	7	2	13	2	0	0	2	0	2	4	14	5	1	0	0	0	6	20	2	5	2	4	2	1	3	5	4		
	91	3	1010.2	-	-0.9	0.4	89	5.7	4	2	2	6	13	1	0	0	0	1	5	7	9	5	1	0	0	1	12	15	0	3	3	5	1	1	2	5	8		
Wattisham [Suffolk]	9	1010.3	-	-0.6	0.5	5.3	88	5.6	1	5	3	8	9	2	0	1	0	3	2	7	9	5	0	1	0	1	13	14	0	6	3	6	1	2	2	6	6		
	15	1009.9	-	2.0	1.0	5.9	81	5.6	1	5	5	6	11	0	0	0	0	1	4	4	13	4	2	0	0	1	15	12	0	5	4	6	1	2	0	6	4		
	21	1010.8	-	0.1	0.5	5.7	90	5.5	3	3	4	4	13	1	0	1	0	1	3	6	15	0	2	0	0	1	13	14	0	6	4	4	1	1	2	3	7		
	9	1009.8	-	-	-	-	-	4.7	9	2	1	0	16	0	0	0	0	0	1	2	11	14	0	0	1	4	9	13	1	1	5	4	1	0	4	4	8		
Aldeburgh [Suffolk]	9	1010.1	-	-	-	-	-	6.0	1	3	5	5	14	0	0	0	0	0	0	0	14	8	0	0	1	3	7	14	3	4	2	6	0	0	4	1	8		
	15	1009.6	-	-	-	-	-	5.8	2	4	2	8	12	0	0	0	0	0	0	4	17	7	0	0	1	3	14	10	0	4	6	3	2	3	1	1	8		
	21	1010.1	-	-	-	-	-	5.4	6	1	4	1	16	0	0	0	0	2	0	1	16	9	0	0	1	5	11	9	2	3	6	5	1	1	1	4	5		
	43	3	1010.6	-	-0.3	0.5	89	5.6	3	4	4	4	12	1	0	0	1	1	5	2	9	7	2	1	0	0	9	17	2	3	5	2	1	1	6	4	4		
Wyton [Hunts]	9	1010.8	-	-0.3	0.4	5.6	91	6.4	1	4	1	5	14	3	0	1	0	4	5	6	7	4	0	1	0	0	11	16	1	4	5	3	0	3	3	2	7		
	15	1010.2	-	2.6	1.1	6.0	80	6.0	3	3	1	9	12	0	0	0	0	1	3	2	15	6	0	1	0	0	12	15	1	5	6	3	1	1	3	4	4		
	21	1011.2	-	0.5	0.5	5.7	88	6.0	2	4	1	6	15	0	0	0	0	2	2	4	13	6	1	0	0	0	14	11	3	4	3	3	2	1	3	4	5		
	29	3	1010.7	-	-0.2	0.3	93	5.5	5	1	4	6	11	1	0	1	0	1	3	4	11	8	0	0	0	0	7	21	0	4	6	2	1	2	4	7	2		
Cardington [Bedford]	9	1010.8	-4.7	0.0	0.3	5.7	91	6.2	3	2	2	6	14	1	0	1	1	1	4	3	10	7	1	0	0	0	5	23	0	3	7	2	0	3	2	6	5		
	15	1010.3	-	2.7	1.0	6.2	82	5.9	2	3	4	7	12	0	0	0	0	0	4	1	15	8	0	0	0	0	8	20	0	4	5	5	1	2	1	6	4		
	21	1011.2	-	0.5	0.4	5.9	91	5.8	3	3	3	2	17	0	0	0	1	2	4	2	10	8	0	1	0	0	7	21	0	6	4	3	2	0	4	5	4		
	102	3	1010.5	-	-0.6	0.3	92	5.4	5	3	1	9	9	1	0	0	1	4	1	7	10	3	2	0	0	0	9	17	2	6	3	4	1	2	3	3	4		
Stansted [Essex]	9	1010.6	-	-0.1	0.4	5.6	91	5.7	2	3	5	6	12	0	0	0	0	2	7	5	8	6	0	0	0	0	9	18	1	5	3	6	1	2	2	3	5		
	15	1010.0	-	2.5	1.1	6.1	82	5.5	2	5	5	5	11	0	0	0	0	1	4	3	9	9	2	0	0	0	16	10	2	4	3	6	1	1	1	5	5		
	21	1010.6	-	0.4	0.5	5.8	90	6.1	2	1	5	7	13	0	0	0	0	0	2	9	11	6	0	0	0	0	10	17	1	5	3	4	2	0	3	5	5		
	5	1009.9	-6.0	0.8	0.7	5.7	86	5.9	1	5	2	7	12	1	0	0	0	3	3	3	14	5	0	0	0	1	13	14	0	4	3	6	0	3	1	4	7		
Shoeburyness [Essex]	15	1009.5	-	3.2	1.2	6.2	79	6.2	2	1	6	7	11	1	0	1	0	0	1	6	8	8	4	0	0	1	15	11	1	4	4	4	1	4	0	1	9		
	21	1010.2	-	1.4	0.7	5.9	85	5.4	6	1	3	2	15	1	0	0	0	1	5	3	13	4	2	0	0	2	15	10	1	6	2	5	1	1	2	2	8		
	8	1010.1	-	0.4	0.5	5.7	89	5.8	3	2	4	4	15	0	0	0	0	1	0	6	17	4	0	0	0	2	9	15	2	3	4	6	0	1	2	4	6		
	9	1010.0	-	0.8	0.6	5.8	87	6.1	0	4	4	7	13	0	0	0	0	0	3	5	16	4	0	0	0	1	8	17	2	4	0	6	2	1	2	2	9		
Walton-on-Naze [Essex]	15	1009.5	-	2.6	0.9	6.2	83	5.9	1	5	2	6	14	0	0	0	0	1	0	7	13	7	0	0	0	2	12	14	0	4	4	5	1	3	3	1	7		
	21	1010.5	-	1.2	0.6	6.0	89	5.6	4	3	3	1	16	1	0	0	0	2	2	8	11	5	0	0	0	3	9	15	1	5	4	5	2	0	1	3	7		
	4. MIDLAND COUNTIES																																						
	Huddersfield Oakes [Yorks, W.R.]																																						
234	3	1011.1	-	-1.8	0.4	4.9	88	5.5	5	1	5	2	13	2	1	1	3	0	2	4	9	3	5	0	0	2	6	18	2	5	5	4	0	1	2	3	6		
	9	1011.4	-	-1.2	0.5	5.1	87	5.7	5	2	1	4	14	2	0	3	1	2	7	6	4	1	4	0	0	1	7	20	0	4	10	3	0	1	0	6	4		
	15	1011.2	-	0.4	0.7	5.4	85	6.3	1	4	1	5	15	2	0	3	1	2	4	2	9	3	4	0	0	1	7	19	1	5	9	3	1	0	1	4	4		
	21	1011.8	-	-1.1	0.5	5.1	87	5.7	4	1	5	3	12	3	1	2	0	2	1	3	12	0	7	0	0	0	6	17	5	2	3	4	0	1	1	5	7		
	119	3	1011.1	-	-0.8	0.4	5.4	91	5.1	7	3	0	4	13	1	0	0	1	4	2	5	8	3	4	1	0	1	8	19	0	6	5	2	2	1	1	9	2	
Watnall [Nottingham]	9	1011.2	-3.8	-0.7	0.4	5.4	90	5.3	5	4	1	6	11	1	0	2	1	3	9	7	4	2	0	0	0	2	7	19	0	7	6	3	1	2	1	4	4		
	15	1010.8	-	1.7	0.9	5.9	84	6.3	1	3	4	4	14	2	0	1	0	2	3	5	15	1	1	0	0	2	12	14	0	5	9	2	0	2	0	3	7		
	21	1011.7	-	0.0	0.5	5.6	89	5.9	2	2	4	9	10	1	0	0	0	4	5	4	10	4	1	0	0	1	8	19	0	3	7	3	2	0	3	6	4		
	14	3	1011.2	-	-0.1	0.5	5.5	88	5.5	4	2	4	6	12	0	0	0	0	2	6	10	7	2	1	0	0	11	14	3	6	2	4	2	2	1	1	7		
Finningley [Nottingham]	9	1011.4	-2.9	-0.0	0.6	5.5	88	5.8	2	3	4	5	13	1	0	1	0	0	4	12	9	1	0	1	0	0	11	16	1	8	2	4	3	1	2	1	6		
	15	1011.1	-	2.4	1.1	5.9	81	6.0	2	4	2	7	11	2	0	0	0	1	2	6	13	4	2	0	0	0	14	14	0	10	4	5	1	1	0	2	5		
	21	1011.9	-	0.5	0.7	5.6	87	5.6	3	3	3	6	12	1	0	0	0	2	3	7	12	3	1	0	0	0	11	15	2	7	1	5	1	0	2	4	6		
	67	3	1010.7	-	-0.5	0.6	5.3	87	5.5	6	0	3	6	12	1	0	0	2	0	8	4	7	6	1	0	0	2	11	15	0	4	4	3	2	0	4	6	5	
Wittering [Northampton]	9	1010.8	-4.4	-0.4	0.5	5.3	87	6.1	3	2	2	7	11	3	0	2	1	3	3																				



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS FEBRUARY, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION													
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-2	3-5	6-7	8	9	0-10 m.	10-100 m.	200-300 m.	400-500 m.	1000-10000 m.	2000-3000 m.	4-9 km.	10-10 km.	20-30 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																									34 or more	22-33	4, 5	1-3	Calms								
Number of Observations																																					
4. MIDLAND COUNTIES - contd.																																					
Little Rissington [Gloucester]																																					
229	3	1011.0	-1.0	0.3	5.3	91	5.6	4	3	2	5	6	8	0	5	1	2	1	2	8	2	2	5	1	1	8	16	2	5	5	3	1	2	1	6	3	
	9	1011.1	-4.5	-0.7	0.4	5.4	90	6.2	2	3	1	8	7	7	0	5	1	2	2	4	5	4	1	4	0	2	7	18	1	4	5	4	1	2	2	8	
	15	1010.0	-	1.6	1.0	5.7	81	6.3	0	3	3	11	9	2	0	2	0	1	2	1	12	3	4	4	1	1	9	17	0	5	3	7	0	2	1	3	
	21	1011.5	-	-0.1	0.5	5.5	88	5.3	3	5	3	2	11	4	0	2	0	4	1	3	10	4	1	3	0	2	10	16	0	6	5	4	2	0	2	5	
5. ENGLAND, S.E.																																					
Heathrow [Greater London]																																					
26	3	1010.5	-	0.6	0.7	5.6	85	5.3	4	4	2	6	12	0	0	0	1	3	6	6	7	5	0	0	0	2	7	17	2	6	2	6	1	1	4	2	
	9	1010.4	-	1.1	0.8	5.8	85	5.7	2	4	2	9	10	1	0	0	1	4	7	6	8	1	0	0	0	1	11	16	0	5	4	4	1	4	0		
	15	1009.9	-	4.0	1.7	6.1	72	6.1	0	6	2	7	13	0	0	0	0	2	3	12	8	2	1	0	1	17	9	1	5	3	4	2	2	2	2		
	21	1010.9	-	1.7	0.9	5.9	84	5.6	5	2	1	7	12	1	0	0	1	1	9	8	6	3	0	0	0	10	15	3	7	4	3	1	1	3	3		
Kew [Greater London]																																					
10	9	1010.7	-5.3	1.2	0.9	5.7	84	5.6	3	4	1	9	11	0	0	1	2	4	4	10	4	3	0	0	1	6	20	1	4	3	6	1	2	3	5		
	15	1010.1	-	4.1	1.9	6.0	71	6.1	1	2	6	8	11	0	0	0	0	2	1	15	7	3	0	0	1	12	15	0	5	3	5	1	3	3	1		
	21	1011.1	-	1.9	1.0	6.0	83	5.3	6	2	3	4	11	2	0	0	1	5	4	14	3	1	0	0	0	6	20	2	5	5	5	1	1	2	5		
Gatwick [Sussex]																																					
59	3	1010.5	-	-0.2	0.5	5.5	88	5.4	3	4	3	8	10	0	0	1	0	4	8	7	6	2	0	0	0	4	18	6	5	2	4	0	0	2	5		
	9	1010.6	-	0.7	0.6	5.8	87	5.5	2	6	1	7	10	2	0	0	1	5	8	6	5	3	0	0	1	4	19	4	5	3	4	2	0	3	1		
	15	1009.9	-	3.9	1.5	6.3	75	6.4	0	3	3	10	12	0	0	0	1	7	9	9	2	0	0	0	12	16	0	7	5	3	3	2	1	3			
	21	1010.9	-	1.1	0.7	5.9	86	5.6	5	2	2	4	13	2	0	0	1	4	9	8	4	2	0	0	0	5	18	5	5	4	4	1	1	3	2		
Dungesness [Kent]																																					
7	3	1009.7	-	1.2	0.7	5.9	86	5.0	7	2	2	4	12	1	0	1	0	0	1	4	14	6	2	0	0	4	9	15	0	9	1	6	0	2	1		
	9	1009.7	-	1.2	0.6	6.1	88	5.9	1	4	2	10	11	0	0	0	0	5	1	10	12	0	0	0	1	14	13	0	7	4	5	0	3	0			
	15	1009.1	-	4.1	1.3	6.6	79	5.6	0	4	7	7	10	0	0	0	0	0	3	10	12	3	0	0	4	14	10	0	8	4	4	0	6	2			
	21	1009.9	-	2.0	0.8	6.2	85	5.1	9	0	1	4	14	0	0	0	0	2	5	11	8	2	0	1	2	13	12	0	9	1	7	0	3	0			
Deal [Kent]																																					
10	3	1009.3	-	1.3	0.6	6.1	89	5.1	3	7	1	3	14	0	0	0	0	2	2	10	9	5	0	0	4	10	14	0	6	2	7	0	1	2	5		
	9	1009.6	-	1.5	0.5	6.3	91	6.5	1	2	4	7	14	0	0	0	1	7	3	14	3	0	0	0	1	13	13	1	5	1	4	0	3	4			
	15	1009.2	-	3.7	0.8	7.0	85	5.8	0	5	4	9	10	0	0	0	0	5	4	13	5	1	0	0	3	12	13	0	8	1	5	1	1	5			
	21	1009.9	-	1.9	0.7	6.3	88	4.7	7	3	3	1	12	0	0	0	0	2	4	10	7	3	0	1	2	12	10	1	3	3	6	0	1	2			
Manston [Kent]																																					
15	3	1009.8	-	1.1	0.8	5.8	85	5.5	2	5	5	3	12	1	0	0	0	2	3	7	10	4	0	0	4	13	11	0	5	2	6	1	0	4	3		
	9	1010.0	-	1.4	0.6	6.1	87	6.4	0	3	3	12	9	1	0	0	0	3	5	14	5	0	1	0	2	15	11	0	5	1	5	2	3	2			
	15	1009.6	-	3.1	1.0	6.5	83	5.8	1	6	1	11	9	0	0	1	1	3	5	11	5	1	1	0	5	15	8	0	6	2	3	3	2	3			
	21	1010.1	-	1.8	0.7	6.2	87	5.7	2	7	6	9	2	0	2	0	1	4	1	7	12	1	0	0	3	16	9	0	6	4	5	2	0	3			
Thorney Island [Sussex]																																					
4	3	1010.6	-	1.1	0.7	5.9	87	4.4	6	6	2	2	12	0	0	0	1	1	4	11	5	5	1	0	0	5	22	1	6	5	4	1	0	0			
	9	1010.8	-5.5	1.6	0.7	6.2	86	5.7	1	4	5	10	8	0	0	0	0	3	3	10	5	6	1	0	0	7	21	0	4	4	4	2	1	2			
	15	1010.1	-	4.5	1.6	6.4	73	6.1	0	4	3	11	10	0	0	0	0	0	3	8	9	4	4	0	1	16	11	0	6	5	2	2	1	2			
	21	1011.1	-	1.9	0.8	6.2	85	4.5	5	6	3	5	9	0	0	0	1	2	4	12	7	2	0	0	2	7	19	0	9	3	3	1	0	2			
East Hoathly [Sussex]																																					
41	9	1010.5	-	1.2	0.6	6.1	87	5.6	3	4	2	8	11	0	0	0	1	1	5	10	5	6	0	0	0	5	21	2	6	2	5	0	3	1			
	15	1009.9	-	4.2	1.5	6.4	75	6.0	1	3	3	12	9	0	0	0	0	2	3	8	10	4	1	0	0	12	15	1	8	1	5	1	3	2			
	21	1010.6	-	1.2	0.7	5.9	85	4.9	8	0	4	8	7	1	0	0	1	2	4	11	2	8	0	0	0	3	21	4	7	1	7	0	2	2			
Eastbourne C.G. [Sussex]																																					
7	9	1009.9	-6.1	1.8	0.5	6.5	90	5.6	2	3	5	5	13	0	0	0	0	1	1	19	7	0	0	2	2	7	15	2	10	0	3	1	4	2			
	15	1009.6	-	4.5	1.0	7.2	83	5.9	1	3	4	10	10	0	0	0	0	0	2	19	7	0	0	3	1	10	14	0	9	1	6	1	3	2			
	21	1010.1	-	2.2	0.6	6.5	88	5.1	8	0	2	5	13	0	0	0	0	0	2	18	8	0	0	1	4	5	13	5	9	0	5	0	3	1			
Abingdon [Berkshire]																																					
71	3	1011.0	-	-0.1	0.5	5.5	88	5.0	2	8	2	5	8	3	0	1	0	4	0	5	8	6	4	0	0	0	8	16	4	6	3	5	1	0	3		
	9	1011.1	-	0.3	0.5	5.7	88	5.8	2	3	5	5	13	0	0	1	2	4	8	4	3	4	2	0	0	9	17	2	4	6	4	0	2	4			
	15	1010.4	-	3.5	1.6	6.0	75	6.3	0	1	7	11	9	0	0	0	1	2	1	13	6	4	1	0	1	13	14	0	7	6	3	1	1	3			
	21	1011.5	-	0.8	0.7	5.7	86	5.4	4	3	3	6	11	1	0	0	3	2	6	10	2	5	0	0	0	10	18	0	9	5	1	2	1	2			
Hurn [Hampshire]																																					
14	3	1010.4	-	0.4	0.6	5.7	87	4.0	9	4	2	2	11	0	0	0	2	1	4	4	11	6	0	0	0	6	19	3	8	3	1	1	1	1			
	9	1010.4	-	1.2	0.7	5.9	86	5.9	2	3	3	11	9	0	0	0	1	1	7	8	7	3	1	0	0	5	21	2	6	5	1	1	2	5			
	15	1009.9	-	4.5	1.8	6.1	71	6.5	0	2	3	14	9	0	0	0	0	0	5	10	8	5	0	0	1	12	14	1	7	4	2	2	1	3			
	21	1010.8	-	1.4	0.8	5.9	84	4.9	8	2	1	6	11	0	0	0	1	0	7	8	8	4	0	0	0	7	18	3	8	5	2	0	1	2			
S. Farnborough [Hampshire]																																					
70	3	1010.7	-	0.3	0.7	5.5	86	4.6	6	4	3	4	10	1	0	0	1	2	5	9	4	6	1	0	0	6	21	1	2	6	2	0	2	5			
	9	1010.8	-5.3	0.7	0.6	5.7	87	5.7	3	3	2	9	10	1	0	0	0	4	1	7	6	3	2	5	0	0	6	21	1	1	8	0	2	2			
	15	1010.1	-	3.9	1.6	6.1	74	6.4	0	3	3	10	12	0	0	0	1	0	3	10	6	5	3	0	0	15	13	0	4	5	3	0	3	1			
Lynham [Wiltshire]																																					
149	3	1011.1	-	-0.2	0.6	5.4	87	5.7	3	2	4	7	12	0	0	1	1	1	4	5	3	5	7	1	0	1	6	20	1	4	5	2	2	1	3		
	9	1011.2	-4.8	-0.1	0.5																																



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS FEBRUARY, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)						WIND SPEED AND DIRECTION																	
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-1/2 m.	40-150 m.	200-300 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																									SPEED IN KNOTS												
																									0-1	2-3	4-5	6-7	8-9								
																									0	1-10	11-20	21-30	31-40								
Number of Observations																																					
Speke [Lancashire]																																					
26	3	1011.3	-	0.5	0.5	5.7	88	5.3	2	6	4	4	12	0	0	1	0	1	0	9	6	7	3	1	0	1	7	19	1	7	3	6	2	2	1	2	4
	9	1011.4	-	0.6	0.6	5.8	88	6.2	1	4	2	7	14	0	1	0	1	1	3	8	12	1	1	0	0	2	5	21	0	9	4	5	2	2	0	4	
	15	1011.2	-	2.7	1.1	6.1	80	6.7	0	1	3	17	7	0	0	0	0	0	2	11	9	5	1	0	0	0	13	14	1	5	2	8	1	1	2	4	
	21	1012.0	-	1.1	0.8	5.8	85	5.1	0	8	5	7	8	0	0	0	0	1	3	11	8	5	0	0	0	0	7	20	1	5	7	5	1	2	0	1	
Ringway [Cheshire]																																					
76	3	1011.5	-	-1.0	0.5	5.2	89	5.5	5	1	4	6	10	2	0	1	0	3	2	5	9	5	2	1	0	1	9	14	4	2	5	5	3	5	0	0	
	9	1011.6	-3.0	-0.6	0.5	5.3	87	5.5	3	5	2	4	11	3	0	1	1	3	3	9	9	1	1	0	0	2	6	16	4	5	3	8	1	2	0	3	
	15	1011.3	-	2.1	1.2	5.7	79	6.7	1	0	3	13	11	0	0	0	0	1	2	9	13	2	1	0	0	1	13	13	1	1	5	8	0	0	2		
	21	1012.2	-	0.0	0.6	5.5	87	5.5	1	7	3	3	14	0	0	0	0	1	3	9	14	1	0	0	0	1	8	13	6	3	4	5	3	2	1		
7b. NORTH WALES																																					
Valley [Anglesey]																																					
11	3	1011.5	-	2.4	0.9	6.2	83	6.0	1	3	5	7	12	0	0	0	0	1	0	2	10	6	8	1	0	7	12	6	3	2	5	8	1	0	1		
	9	1011.5	-2.8	2.5	1.0	6.1	81	6.2	0	3	4	13	8	0	0	0	0	0	0	4	9	3	9	3	0	6	11	8	3	4	4	9	0	0	1		
	15	1011.3	-	4.0	1.4	6.3	76	6.4	0	2	2	18	6	0	0	0	0	0	1	10	7	6	4	1	5	13	9	0	5	4	9	1	0	1			
	21	1012.1	-	2.6	1.1	6.0	81	5.8	2	3	3	13	7	0	0	0	0	0	1	10	8	9	0	0	6	12	9	1	2	4	11	1	0	2			
Bardsey Island [Caernarvon]																																					
19	3	1011.3	-	3.9	1.0	6.9	84	6.0	0	2	9	5	12	0	0	0	0	0	0	0	2	14	11	1	5	5	11	6	1	3	7	6	2	0	1		
	9	1011.2	-	3.7	0.9	6.9	85	6.7	0	1	5	8	14	0	0	0	0	0	0	4	8	15	1	3	9	11	5	0	5	8	6	2	0	1			
	15	1011.1	-	4.3	1.2	6.7	80	6.5	0	1	4	14	8	1	0	1	0	0	0	3	7	16	1	1	9	13	5	0	5	5	7	3	0	0			
	21	1011.9	-	3.9	1.0	6.8	83	6.1	0	2	7	7	12	0	0	0	0	0	0	2	11	15	0	4	3	18	3	0	6	5	9	2	0	1			
8a. SOUTH WALES																																					
Aberporth [Cardigan]																																					
134	3	1011.2	-	1.9	0.8	6.1	84	5.4	4	2	6	6	10	0	0	0	0	0	1	3	9	6	7	2	0	5	11	10	2	3	6	2	4	2	1		
	9	1011.2	-3.9	1.9	0.8	6.1	84	6.4	0	3	2	12	11	0	0	0	0	0	3	2	9	7	5	2	0	6	13	8	1	3	4	5	4	2	0		
	15	1010.9	-	3.3	1.4	6.0	77	6.6	0	1	3	18	6	0	0	0	0	0	0	8	10	7	3	1	2	16	8	1	6	4	4	3	0	1			
	21	1011.8	-	2.3	1.1	6.0	81	6.2	1	3	2	9	13	0	0	0	0	0	1	2	10	8	5	2	0	5	12	9	2	6	6	4	1	3			
Milford Haven C.B. [Pembroke]																																					
39	3	1011.5	-	2.4	0.9	6.2	83	5.0	4	3	7	2	12	0	0	0	0	1	1	1	13	7	5	0	0	3	9	12	4	2	8	3	1	0	1		
	9	1011.6	-	2.5	0.9	6.3	84	6.0	2	0	7	9	8	2	0	1	1	0	0	4	10	10	2	0	1	2	9	12	4	4	5	6	1	0	2		
	15	1011.3	-	4.3	1.5	6.4	76	6.4	1	0	8	7	12	0	0	0	0	1	1	4	6	12	3	1	0	1	12	14	1	7	2	10	1	0	0		
	21	1011.9	-	2.7	1.0	6.2	81	5.7	4	1	4	7	12	0	0	0	0	1	2	2	12	8	3	0	0	1	9	15	3	4	8	5	0	1	2		
Mumbles [Glamorgan]																																					
37	3	1010.8	-	2.3	0.6	6.4	87	5.7	3	3	3	7	12	0	0	0	0	0	1	1	7	11	7	1	1	5	12	10	0	2	7	6	1	0	1		
	9	1010.7	-	2.4	0.7	6.4	86	6.2	0	3	4	11	10	0	0	0	0	0	1	4	13	6	3	1	3	11	10	1	2	7	8	0	0	2			
	15	1010.5	-	4.0	1.3	6.5	80	6.4	0	0	9	9	10	0	0	0	0	3	1	10	8	6	0	1	3	13	10	1	5	3	7	0	2	0			
	21	1011.3	-	2.6	0.8	6.4	85	5.5	2	4	7	1	14	0	0	0	0	1	1	1	9	9	6	1	2	1	13	10	2	3	7	5	1	2	1		
Rhoose [Glamorgan]																																					
69	3	1011.0	-	0.8	0.6	5.9	89	5.5	3	5	1	7	11	1	0	0	0	1	1	4	8	5	7	2	0	3	6	16	3	2	9	4	0	0	3		
	9	1011.1	-4.9	0.8	0.6	5.8	86	6.1	0	4	2	11	10	1	0	0	0	1	3	3	7	8	3	3	0	2	8	15	3	3	5	7	0	0	2		
	15	1010.5	-	3.6	1.5	6.1	76	6.5	0	1	5	13	9	0	0	0	0	2	5	3	15	1	2	1	2	17	8	0	3	6	6	2	1	0			
	21	1011.6	-	1.2	0.8	5.8	84	5.5	3	5	1	6	12	1	0	0	0	1	0	6	6	9	3	3	0	1	9	18	0	3	7	5	2	0	0		
8b. ENGLAND, S.W.																																					
Yeovilton [Somerset]																																					
23	3	1011.2	-	1.0	0.6	5.9	86	5.7	3	2	5	4	13	1	0	1	0	1	2	10	11	3	0	0	0	1	5	16	6	3	2	3	2	1	3		
	9	1011.1	-	1.4	0.7	6.0	86	5.8	1	4	4	10	8	0	0	2	1	2	6	11	6	0	0	0	1	7	14	6	2	5	5	0	2	1			
	15	1010.7	-	4.4	1.6	6.3	74	6.7	0	0	6	13	9	0	0	0	0	2	7	9	10	0	0	0	2	14	10	2	6	7	1	1	2	1			
	21	1011.5	-	1.8	0.7	6.1	85	5.3	2	5	6	3	11	1	0	0	0	3	3	14	5	0	0	0	2	5	17	4	1	8	2	1	0	2			
Portland Bill [Dorset]																																					
54	3	1010.6	-	2.7	0.8	6.6	87	4.3	7	4	5	1	11	0	0	0	0	0	1	2	9	9	7	0	1	8	11	7	1	5	7	6	2	1			
	9	1010.5	-	3.0	0.7	6.9	88	5.5	0	6	5	7	10	0	0	0	0	1	2	8	5	9	2	1	2	17	6	2	8	4	8	1	0	1			
	15	1010.1	-	4.5	1.2	7.0	82	6.5	0	1	5	10	11	1	0	0	0	1	2	3	6	8	7	1	0	7	14	6	1	9	2	8	1	2			
	21	1011.0	-	3.2	0.8	6.8	87	4.5	8	3	3	3	11	0	0	0	0	0	2	13	8	5	0	2	5	14	7	0	7	5	8	1	1	0			
Hartland Point [Devon]																																					
93	3	1010.0	-	3.3	1.0	6.5	82	5.3	3	3	7	6	9	0	0	0	0	1	1	1	9	10	4	2	1	6	11	9	1	3	6	8	1	0			
	9	1010.0	-	3.4	1.0	6.7	84	6.6	0	2	3	13	10	0	0	0	0	2	0	10	7	5	4	2	5	15	5	1	4	5	7	2	2	0			
	15	1010.0	-	3.9	1.2	6.6	80	7.0	0	0	2	15	11	0	0	0	0	1	0	1	8	8	5	5	2	3	12	11	0	3	6	7	0	0			
	21	1010.5	-	3.5	1.1	6.6	82	6.1	1	1	8	4	14	0	0	0	0	1	0	12	4	6	5	2	4	12	8	2	4	7	7	0	1				
Mount Batten [Devon]																																					
30	3	1010.5	-	2.5	0.8	6.5	86	5.7	3	3	3	7	12	0	0	0	0	0	4	10	10	4	0	0	2	7	11	8	1	4	5	2	1	0			
	9	1010.7	-5.7	2.6	0.7	6.6	87	5.6	1	5	3	9	10	0	0	0	0	1	5	11	8	2	0	0	1	9	15	3	3	2	10	2	0	3			
	15	1010.1	-	5.3	1.6	6.8	74	6.0	0	3	6	11	8	0	0	0	0	1	2	7	12	6	0	0	4	10	13	1	5	3	8	1	1	2			
	21	1010.9	-	3.3	0.9	6.7	84	5.4	5	1	3	10	8	1	0	1	0	0	1	15	11	0	0	0	4	5	17	2	3	3	10	1	1	4			
Chivenor [Devon]																																					
7	3	1011.1	-	2.3	0.8	6.3	85	6.0	2	2	4	6	14	0	0	0	0	1	3	11	2	9	2	0	4	7	12	5	2	2	11						



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS FEBRUARY, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)					VISIBILITY (Metres and Kilometres)								WIND SPEED AND DIRECTION																					
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-1/2 m.	40-100 m.	200-300 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
																									8 or more	6,7	4,5	1,3	Caln													
																																						SPEED IN KNOTS				
																																						34 or more	22-33	11-21	1-10	0
Number of Observations																																										
9 NORTHERN IRELAND - contd.																																										
Aldergrove [Antrim]																																										
73	3	1012.8	-	0.8	0.6	5.8	87	6.2	3	3	0	7	12	3	0	0	0	0	3	3	10	9	3	0	0	1	8	18	1	5	2	7	4	1	3	2	3					
	9	1012.9	-0.7	0.6	0.6	5.7	86	6.7	0	2	2	14	9	1	0	0	0	0	2	6	5	11	4	0	0	0	12	14	2	2	3	7	3	4	0	4	3					
	15	1012.6	-	2.6	0.9	6.2	83	6.2	0	1	7	16	4	0	0	0	0	0	1	3	10	7	6	1	0	2	13	12	1	1	1	11	2	2	2	4	4					
	21	1013.7	-	1.3	0.7	5.9	86	6.3	1	2	5	10	9	1	0	0	0	1	0	7	8	9	3	0	0	1	9	17	1	1	3	9	1	4	2	4	3					
CHANNEL ISLANDS																																										
Guernsey																																										
110	3	1010.7	-	3.8	1.2	6.6	79	6.4	0	1	8	9	10	0	0	0	0	0	0	2	6	10	8	2	0	2	14	12	0	4	4	6	2	2	1	5	4					
	9	1010.8	-	3.9	1.1	6.8	80	6.1	0	0	9	14	5	0	0	0	0	0	0	1	5	4	15	3	0	3	15	9	1	5	6	4	1	3	2	2	4					
	15	1010.4	-	5.2	1.6	6.7	73	6.3	0	1	4	17	6	0	0	0	0	0	0	2	0	8	12	6	0	5	12	11	0	6	3	6	1	2	3	1	6					
	21	1011.0	-	4.1	1.3	6.6	78	6.6	0	2	3	12	11	0	0	0	0	0	1	0	11	7	8	1	0	4	13	10	1	4	7	8	0	1	2	3	2					

TABLE VIII—NUMBER OF DAYS IN FEBRUARY, 1969  
WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °C.								MINIMUM TEMPERATURE °C.								STATION	MAXIMUM TEMPERATURE °C.								MINIMUM TEMPERATURE °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 .. ..	6	9	3	0	0	0	0	0	0	0	5	14	8	1	0	0	Edgbaston .. ..	3	21	4	0	0	0	0	0	0	0	0	0	3	14	11	0	0	0
Stornoway .. ..	2	16	10	0	0	0	0	0	0	0	2	14	12	0	0	0	Kew .. ..	0	18	8	2	0	0	0	0	0	0	0	0	2	10	16	0	0	0
Craibstone .. ..	5	21	2	0	0	0	0	0	0	2	5	14	7	0	0	0	Hastings .. ..	1	15	12	0	0	0	0	0	0	0	0	0	2	16	9	1	0	0
Rothsay .. ..	2	19	7	0	0	0	0	0	0	0	2	11	15	0	0	0	Southampton .. ..	0	11	13	4	0	0	0	0	0	0	0	1	13	12	2	0	0	0
Abbots'inch .. ..	2	19	7	0	0	0	0	0	0	1	7	6	14	0	0	0	Stonyhurst .. ..	2	22	4	0	0	0	0	0	0	0	1	6	14	7	0	0	0	0
Eskdalemuir .. ..	4	20	4	0	0	0	0	0	1	2	7	10	8	0	0	0	Bidston .. ..	2	20	6	0	0	0	0	0	0	0	0	3	14	11	0	0	0	0
Douglas .. ..	2	18	8	0	0	0	0	0	0	0	1	15	12	0	0	0	Valley .. ..	0	14	13	1	0	0	0	0	0	0	0	2	8	17	1	0	0	0
Acklington .. ..	3	21	4	0	0	0	0	0	0	2	3	11	12	0	0	0	Falmouth .. ..	0	12	12	4	0	0	0	0	0	0	0	1	7	18	2	0	0	0
Gorleston .. ..	2	20	6	0	0	0	0	0	0	0	2	10	16	0	0	0	Aldergrove .. ..	4	19	5	0	0	0	0	0	0	0	1	5	6	16	0	0	0	0
Cambridge .. ..	4	19	3	2	0	0	0	0	0	1	3	15	9	0	0	0	Armagh .. ..	1	19	8	0	0	0	0	0	0	0	1	15	11	11	0	0	0	0

TABLE XIII—SOLAR RADIATION AND ILLUMINATION, FEBRUARY, 1969

STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						DIFFUSE RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						TOTAL ILLUMINATION ON A HORIZONTAL SURFACE kilolux-hours					
	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days
Lerwick .. ..	205	27	11	24	90.0	28	95	21	11	24	59.5	28	201	27	13	24	88.6	28
Eskdalemuir .. ..	235	17	13	24	133.7	28	129	13	13	24	76.0	28	243	17	19	24	146.1	28
Cambridge .. ..	259	9	24	24	125.7	28	140	17	24	24	78.9	28	-	-	-	-	-	-
London W/Centre .. ..	220	18	23	25	117.8	28	134	23	22	25	69.7	28	253	23	31	25	134.9	28
Kew .. ..	252	9	24	25	120.9	28	132	23	23	25	76.2	28	282	9	31	25	142.8	28
Bracknell .. ..	237	10	30	25	123.3	28	146	17	32	25	88.5	28	268	9	36	25	137.4	28
Aberporth .. ..	268	17	27	20	123.4	28	134	27	27	20	84.8	28	-	-	-	-	-	-
Aldergrove .. ..																		
Jersey Airport .. ..	312	28	50	19	167.3	28	134	28	50	19	103.3	28	-	-	-	-	-	-



TABLE II—ADDITIONS AND CORRECTIONS

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
			Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)			22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
						Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours				Veer from N	Speed in knots	Hour ended at day hour		Veer from N	Speed in knots	Day and Time																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
1968	October	Middlesbrough	23	19	19	Ø			38			277																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

Ø Anemograph out of order

\* Defective record

TABLE III—ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	Max. Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
					MEANS OF		Daily Mean (mean of A & B)	Difference from 1931—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1916—50 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C.	Concrete min. below 0°C.	Gale	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
					Max. (A)	Min. (B)			Maximum	Date	Minimum	Date	Amount (mm)	Date			0.2 mm or more	1.0 mm or more																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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1968	June	Sellafield												37	56	11	26																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</

TABLE XIII—ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						DIFFUSE RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						TOTAL ILLUMINATION ON A HORIZONTAL SURFACE kilolux-hours					
			Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days
1968	January	Eskdalemuir											28.4		102		10	16	49.4	
	February														305		25		147.1	
	March														497		45		256.1	
	May												267.8		867		126		483.5	
	June												285.7	30	1068				561.2	30
	July						500.0	30	391	18			255.9	31	814		99		374.4	31
	July	Bracknell			63	31	405.8	31			59	31	282.9	31			79	31	488.4	31
	October	Lerwick					101.4	31					68.7	31					109.9	31
	November		97	3	3	21	32.4	30	54	4	3	21	25.3	30	93	3	4	21	32.5	30
	November	Cambridge	158	9	9	29	66.8	30	98	4	9	29	51.6	30	-	-	-	-	-	-
	December	London/W. Centre	100	27	7	9	39.4	31	73	21	6	9	30.1	31	102	21	8	17	44.8	31

Annual Summary - 1967

Table X - Number of Hours with Gusts Exceeding 33 kt

October total to read '208' Annual total to read 1130

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# Monthly Weather Report

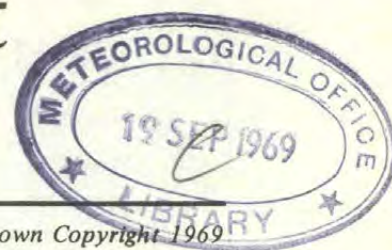
## OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntary observers.

Volume 86 Number 3

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### March 1969 — Cold and dull; very dry in the north

For most of the month high pressure was concentrated to the north-east and low pressure to the south-west of the British Isles. The result was a frequent occurrence of east or south-east winds.

#### Scotland, N. Ireland, NE and NW England and N. Wales

**Weather** — It was drier than normal everywhere (except in north-east England) and exceptionally so in the Western Isles. Snow was mainly light but there were one or two heavy falls mid-month.

**Wind** — Gales were less frequent than normal and in Scotland occurred on only 10 days, the lowest number in March since 1957. On the 8th there was a severe north-westerly gale in north Scotland and a gust of 64 kt was recorded at Lerwick. Strong easterly winds during the period 13th to 22nd reached severe gale force at times in north and east Scotland and north-east England, and the rough weather closed Aberdeen Harbour from the 14th to the 19th. A drilling rig off the Scottish coast broke away from its anchorage on the 15th and remained adrift for several days. On the 17th a gust of 69 kt was reported from Fort William (Inverness-shire). The Longhope lifeboat, from Hoy in the Orkneys, was over whelmed in a south-easterly gale in the Pentland Firth on the 18th and all eight members of the crew were drowned.

**Temperature** — It was cold everywhere with mean temperature 2-3 deg C below normal. In general it was the coldest March since 1962. It was particularly cold in Scotland during the second week and frost persisted all day in many places. Among the minima recorded were: -11.7°C at Balmoral on the 11th and at Barr (Ayr) on the 27th; -10.0°C at Alwen (Denbigh) on the 28th; -9.2°C at Knockmany Forest (Co. Tyrone) on the 6th.

Maxima included: 13.9°C at Trawsfydd (Merioneth) on the 6th, at Inverpolly (Ross and Cromarty) on the 21st and at Prabost (Skye) on the 22nd; 13.4°C at Kilkeel (Co. Down) on the 31st.

**Rainfall** — Rainfall (including melted snow) was markedly below average in most districts. Less than one quarter of the normal monthly amount was recorded in many places in west Scotland, notably at Tiree, in the Western Isles, where the monthly total of 5 mm was only 8 per cent of average. It was the driest March at Stornoway since records began in 1871; at many other places in west Scotland it was the driest March for over 40 years. In sharp contrast, areas in north-east England had over twice the average rainfall. Among the heaviest daily falls was one of 40 mm at Moel Cynnedd, in Montgomery, on the 30th.

**Snow** — From the 11th to 19th, snow or sleet (rain or drizzle and snow) was frequent. It was mainly slight but from the 12th to 14th up to 20 cm fell on high ground. Snow fell for many hours in the Borders on the 12th and there were blizzards from North Wales to east Scotland during the next two days. Villages were isolated, roads were blocked and huge drifts built up in Angus and Perthshire.

Severe drifting was reported in the Cairngorms on the 19th.

**Sunshine** — Sunshine amounts were below average in most areas except in western Scotland, where Stornoway had 126 per cent of normal, and on the coasts of North Wales.

**Fog** — Fog was infrequent but was widespread and dense in northern England on the 13th.

**Miscellaneous Phenomena** — The aurora was seen on 6 nights in Scotland and on the 23rd/24th it was observed also in the Isle of Man and in Ireland, the most southerly place being Claremorris in Eire.

From the 16th to 18th freezing rain or drizzle fell in Yorkshire and Lincolnshire with glazed frost forming on objects at levels above 150 m.

#### Midlands, E, SE and SW England and S. Wales

**Weather** — Except in South Wales, the weather was wetter than normal. However, there were some spells of almost dry weather notably in the

first and fourth weeks. These, together with drying, though cold, winds enabled farmers to begin clearing the accumulated back-log of work on the land.

**Wind** — Gales occurred locally on 11 days but there were no notable gusts. South or south-east winds were often strong and seas round the coasts were very rough at times.

**Temperature** — In general it was the coldest March since 1962. Mean temperature was 2-3 deg C below average in most areas but it was slightly milder in the south. The minimum temperature of -7.8°C at Kew on the 7th is the lowest March value recorded there since 1909 but it is not strictly comparable with previous records because of a change of site. The historic "north wall screen" was replaced by a more conventional exposure on 1 January 1969. Other extremes included: 15.0°C at Shaftesbury (Dorset) on the 13th and -7.8°C at Finchampstead (Berkshire) on the 8th.

**Rainfall** — Apart from South Wales, most areas had more than average rainfall (including melted snow) and nearly three times the normal occurred at Pontefract, Yorkshire. Until the 10th, many places in the south-west had had no measurable rain for a fortnight. There followed a wet spell with local flooding which was severe in East Anglia; between the 11th and 13th places in the south and east had almost the average rainfall for the whole of March. On the 12th, a daily fall of 44 mm was recorded at Sheffield and one of 40 mm at Neath, Glamorgan. From the 21st until almost the end of the month it was mainly dry.

**Snow** — Snow was neither frequent nor heavy except on high ground in the north Midlands on the 12th and late on the 31st.

**Sunshine** — Amounts were below normal in all areas except parts of South Wales where they were near average. A few places recorded barely half the average amount; it was the dullest March at Kew since 1916 with only 58 per cent of normal.

**Fog** — On the 9th, freezing fog caused a 10-hour closure of London (Heathrow) Airport. A French ship sank on the 14th after a collision in thick fog in the Channel. From the 17th to 22nd hill fog was extensive in many areas.

**Miscellaneous Phenomena** — On the 5th, very dry air spread from the Continent to southern England. By the afternoon the relative humidity in parts of the Thames Valley was only 20-25 per cent while it fell to 11 per cent at London Weather Centre and to 15 per cent at Kew and Bracknell. Relative humidities of less than 20 per cent are rare in the British Isles.

From the 16th to 18th freezing rain or drizzle occurred widely in the north Midlands, and glazed frost formed on trees and other objects. Accumulations were large at heights above 150 m, and above 200 m in the Pennines deposits of up to 15 cm were reported. There was extensive damage to trees, and telephone and power cables were brought down. On the 19th, a television transmitter mast (about 384 m high) collapsed on Emley Moor, near Huddersfield.

TABLE I—DISTRICT VALUES, March 1969

DISTRICTS	AIR TEMPERATURE °C					EARTH TEMP. °C		RAIN DAYS	RAIN-FALL	SUN-SHINE
	*Highest Max.	*Lowest Min.	Max.	Min.	Mean	Mean 30 cm.	Mean 122 cm			
	Difference from Average									
0 SCOTLAND, N.	11.6	-7.2	-1.6	-2.1	-1.9	-1.4	-0.6	-3	47	105
1 SCOTLAND, E.	12.2	-6.1	-3.0	-1.8	-2.4	-1.6	-1.3	+2	72	85
2 ENGLAND, N.E.	12.8	-6.7	-3.8	-1.4	-2.6	-1.9	-0.7	+2	194	64
3 ENGLAND, E.	12.8	-6.7	-3.3	-1.0	-2.2	-1.4	-0.7	+2	169	60
4 MIDLANDS	13.3	-7.8	-3.7	-1.5	-2.6	-1.8	-0.8	0	149	62
5 ENGLAND, S.E.	13.0	-7.8	-2.3	-1.1	-1.7	-0.8	-0.6	-1	109	57
6 SCOTLAND, W.	11.7	-9.6	2.7	-2.2	-2.5	-2.0	-1.0	-5	37	91
7 ENGLAND, N.W. and N.Wales	13.8	-6.7	-3.2	-1.9	-2.6	-1.9	-1.0	-3	95	79
8 ENGLAND, S.W. and S.Wales	13.3	-6.1	-2.3	-1.5	-1.9	-1.0	-0.5	-3	122	63
N.IRELAND	12.2	-7.6	-2.6	-2.8	-2.7	-	-	-7	73	80
SCOTLAND	12.2	-9.6	-2.4	-2.0	-2.3	-	-	-2	47	94
ENG. and WALES	13.8	-7.8	-3.1	-1.3	-2.2	-	-	-1	133	65

\*Highest Max. and Lowest Min. of the District Value Stations.

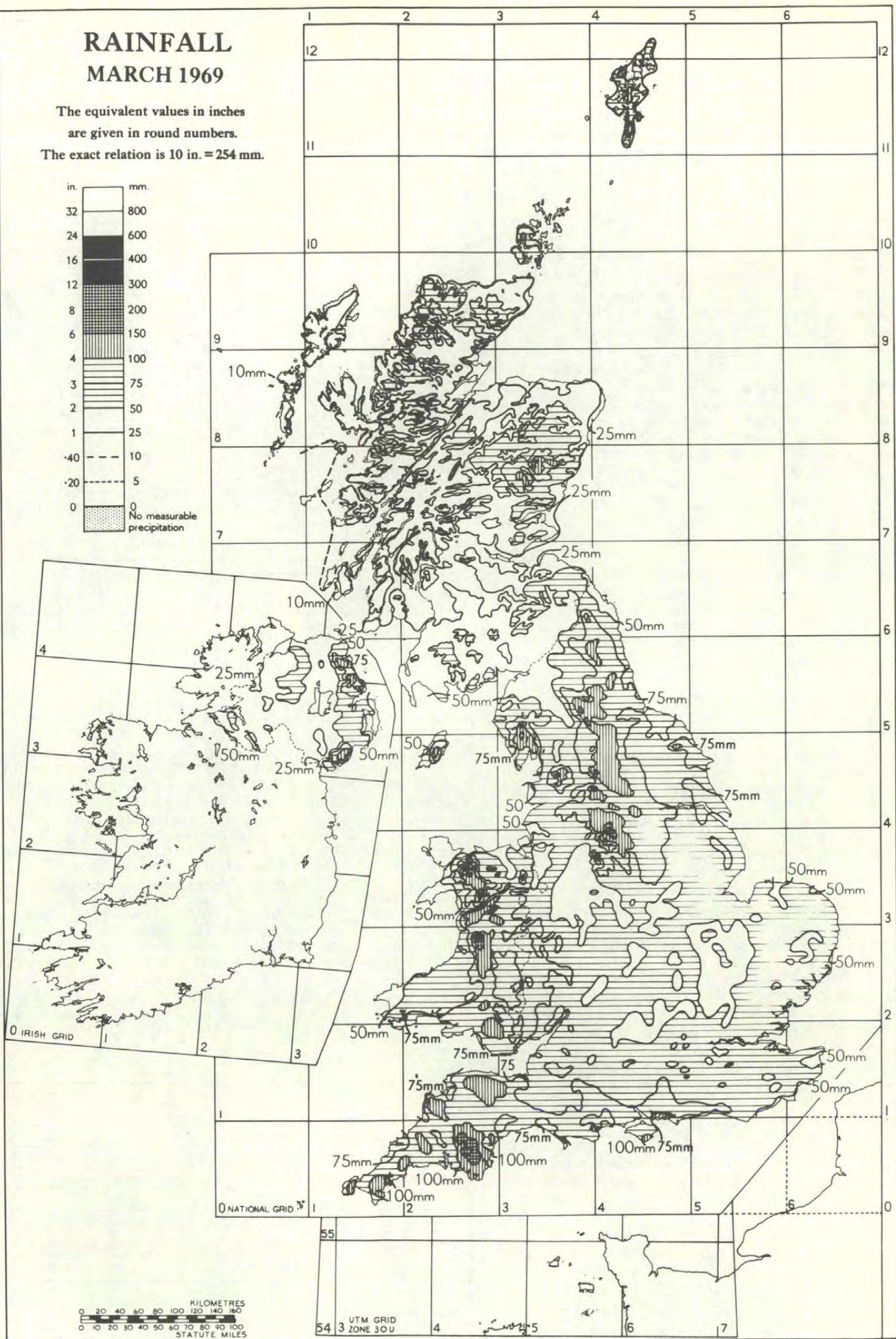
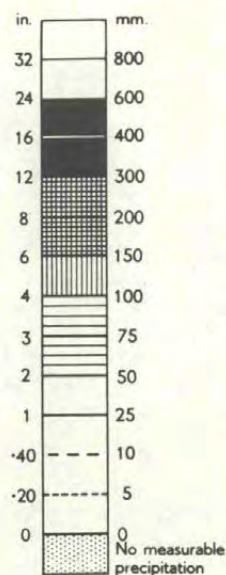
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# RAINFALL MARCH 1969

The equivalent values in inches  
are given in round numbers.

The exact relation is 10 in. = 254 mm.





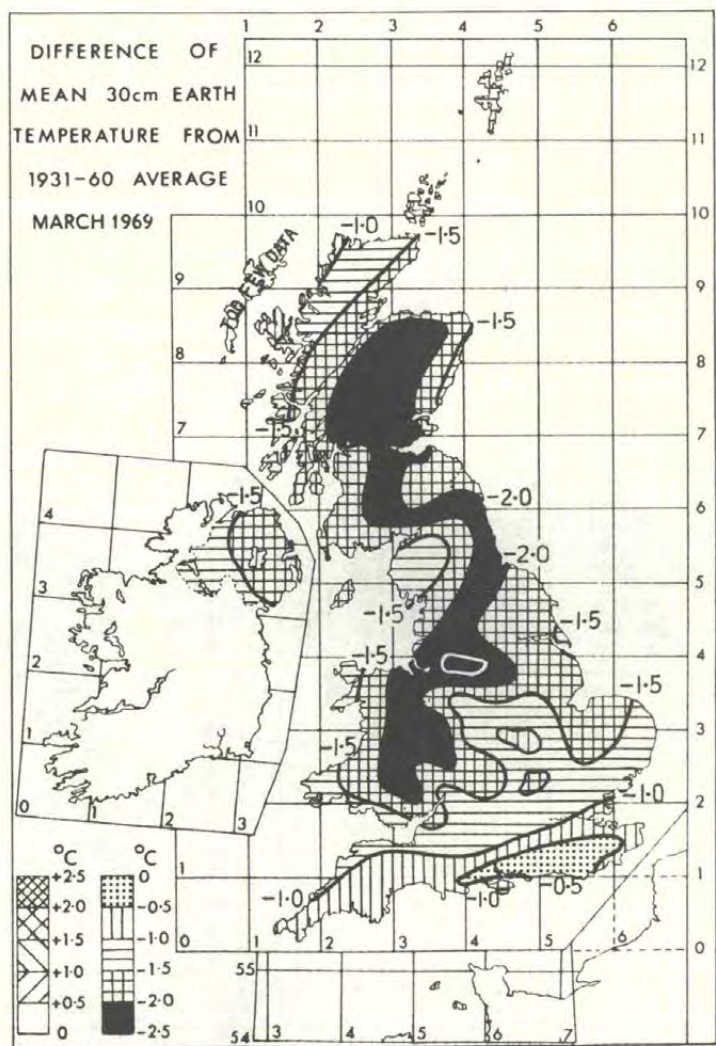
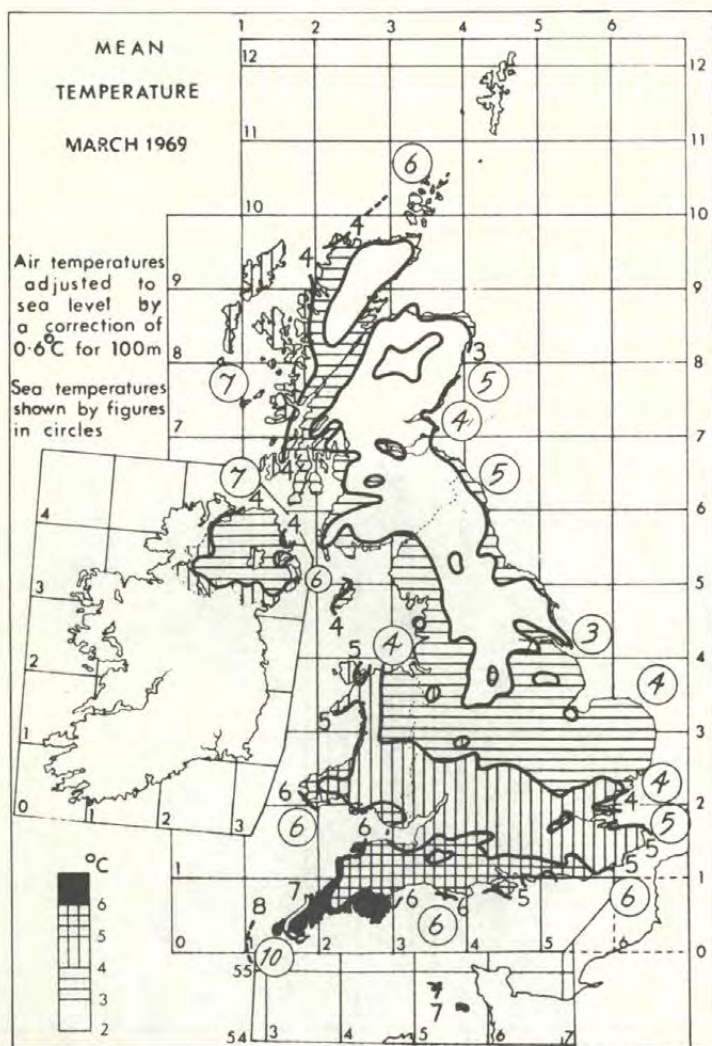
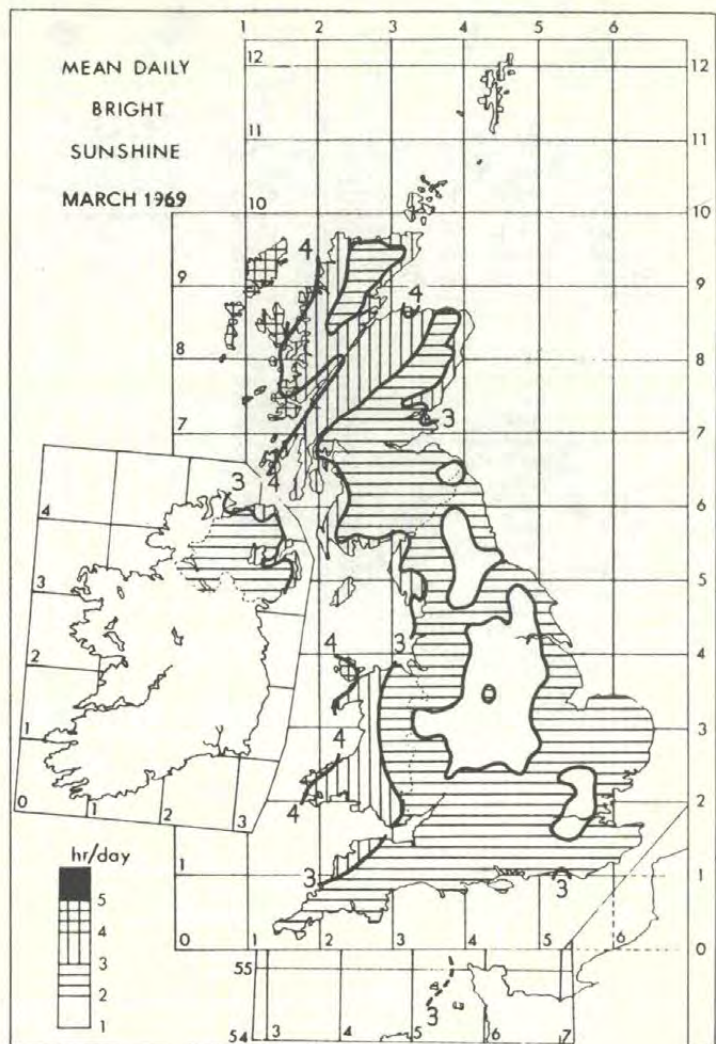
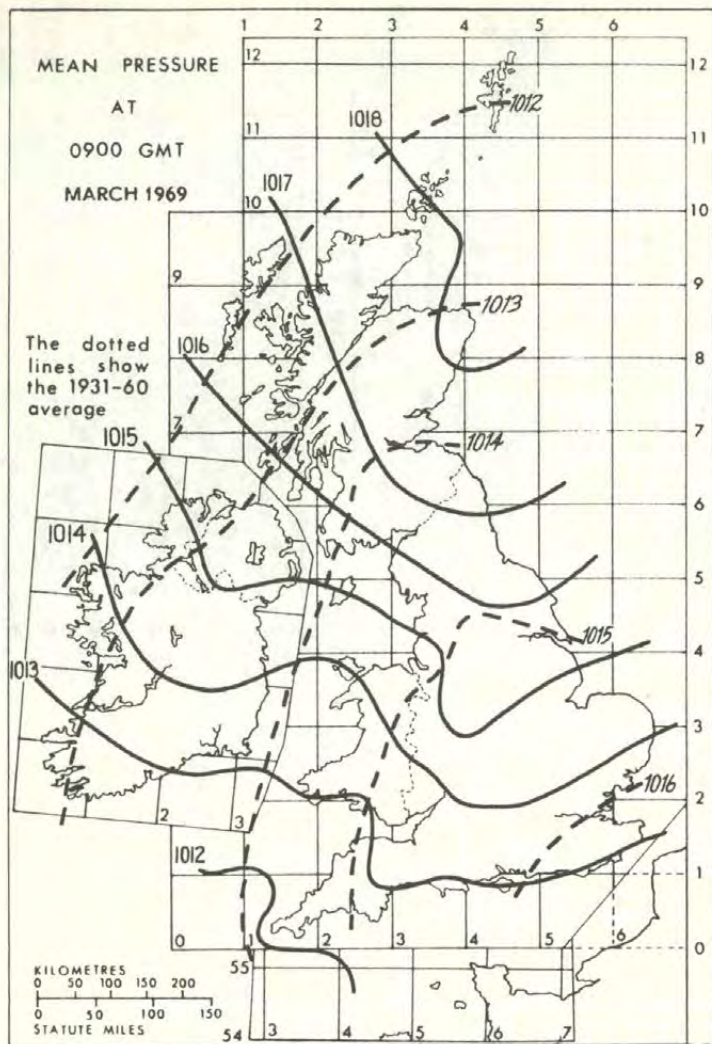




TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—

MARCH, 1969

DISTRICT COUNTY AND PLACE				HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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TABLE II (continued)—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—

MARCH, 1969

DISTRICT COUNTY AND PLACE	HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES					
	Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots		4 to 10 knots		Less than 4 knots			HIGHEST HOURLY WIND			HIGHEST GUST		
				Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours				Veer from N	Speed in knots	Hour ended at day hour		Veer from N	Speed in knots	Day and Time			
5. ENGLAND, S.E. — contd.																				
Wiltshire Larkhill ... ..	145	13	10	-	0	3	10	377	279	78	0	10.7	240	25	31	14	240	38	31 1425	
Boscombe Down	130	16	16	-	0	5	14	388	266	87	0	10.7	070	25	22	11	260	35	31 1025	
Porton ... ..	120	10	10	-	0	8	34	343	254	84	29	11.2	070	25	22	13	220	37	13 1100	
7a ENGLAND, N.W.																				
Cumberland Sellafield ... ..	25	12	11	-	0	1	3	119	424	192	6	6.1	080	24	13	07	080	37	13 0710	
Carlisle ... ..	42	13	9	-	0	8	39	330	276	99	0	11.1	250	30	8	13	260	45	8 1210	
Spadeadam ... ..	292	16	15	-	0	8	86	287	302	48	21	12.1	100	33	16	06	100	52	16 0540	
Westmorland Great Dun Fell	857	10	10	8, 13, 14, 16, 22, 30	41	23	320	231	135	17	0	19.6	070	44	16	11	080	61	16 1055	
Lancashire Squires Gate ...	26	16	11	-	0	8	77	383	242	42	0	12.8	080	30	13	05	080	43	13 0450	
Aigburth ... ..	38	23	11	-	0	1	2	155	435	154	0	7.3	270	24	31	17	280	41	31 1625	
Southport ... ..	19	14	11	-	0	0	0	198	338	200	8	7.1	110	21	13	08	120	37	18 0950	
Fleetwood ... ..	34	15	9	-	0	1	3	220	270	151	0	8.0	070	27	13	08	090	51	13 0545	
Speke ... ..	30	10	10	-	0	2	5	236	384	119	0	8.8	290	26	31	17	290	38	31 1605	
Manchester/ W. Centre	82	45	17	-	0	4	18	379	293	54	0	11.0	070	28	13	15	070	47	13 0715	
Cheshire Bidston ... ..	80	20	12	-	0	2	4	280	377	83	0	-	270	29	31	16	270	49	31 1550	
Ringway ... ..	80	10	10	-	0	7	28	310	272	134	0	10.0	090	28	13	13	080	41	13 1155	
7b NORTH WALES																				
Anglesey Valley ... ..	26	16	12	-	0	8	98	314	262	70	0	12.2	080	29	17	03	070	43	13 0440	
8a SOUTH WALES																				
Cardigan Aberporth ... ..	135	13	11	31	1	2	18	395	265	65	0	11.0	240	34	31	12	240	48	31 1055	
Pembroke Milford Haven C.B.	47	10	10	-	0	4	16	271	276	109	72	9.8	250	31	31	11	240	43	31 0920	
Brawdy ... ..	130	20	14	-	0	12	78	418	208	40	0	13.2	250	29	31	09	250	44	31 0850	
Glamorgan Port Talbot ... ..	28	12	11	-	0	2	5	231	320	145	43	8.7	130	25	12	03	130	43	12 0210	
Rhose ... ..	78	11	10	-	0	6	46	383	253	62	0	11.7	250	28	31	13	250	45	31 1310	
8b ENGLAND, S.W.																				
Dorset Portland Bill ... ..	61	13	13	4, 5, 11, 13, 15, 16, 21, 22, 31	53	24	245	300	97	49	0	19.0	240	43	31	15	240	51	31 1430	
Devon Mount Batten ...	64	13	13	-	0	5	16	367	327	34	0	11.0	240	33	13	09	080	43	22 1145	
Chivenor ... ..	19	13	10	-	0	1	9	249	340	146	0	8.3	240	24	31	12	250	38	31 1150	
Cornwall Scilly ... ..	70	20	17	-	0	5	24	344	280	96	0	11.1	270	28	13	07	260	43	13 0520	
Lizard ... ..	96	23	18	-	0	13	133	319	198	80	14	13.3	260	32	13	08	110	45	22 1220	
St. Mawgan ... ..	119	12	12	-	0	3	8	339	340	57	0	10.2	240	25	31	14	230	38	13 0555	
9 NORTHERN IRELAND																				
Londonderry Ballykelly ... ..	13	12	10	-	0	0	0	329	220	195	0	8.9	120	21	21	12	100	37	16 2359	
Antrim Aldergrove ... ..	80	10	10	-	0	2	6	280	342	116	0	9.2	080	23	18	09	080	37	18 0730	
Ballypatrick Forest	166	13	13	16, 18	3	13	184	308	146	103	0	14.6	120	36	16	10	120	55	16 0930	
Belfast Harbour	21	18	18	-	0	10	126	407	156	55	0	14.1	100	31	12	10	120	45	12 1020	
Kilkeel ... ..	35	18	18	-	0	5	24	344	280	96	0	11.1	270	28	13	07	260	43	13 0520	
Orlock Head ...	51	16	12	12, 13, 18	29	16	175	347	150	43	0	12.2	090	37	18	12	080	50	13 1200	
Armagh Glenanne ... ..	144	10	10	-	0	0	0	162	374	208	0	6.5	260	16	29	17	090	26	12 0930	
Portadown ... ..	26	10	10	-	0	1	1	228	345	170	0	7.6	110	22	16	15	110	46	16 1435	
Tyrone Carrigans ... ..	129	10	10	-	0	0	0	249	312	180	3	7.6	110	19	16	17	110	36	16 1630	
Fermanagh Castle Archdale Forest	80	13	13	-	0	0	0	249	312	180	3	7.6	110	19	16	17	110	36	16 1630	
CHANNEL ISLES																				
Jersey Airport ...	109	26	15	-	0	5	30	505	196	13	0	12.9	260	29	31	16	260	37	31 1650	

/ Anemograph dismantled for re-erection. \* Defective record.

† Record ceased.

‡ Incomplete record.

§ Anemograph out of order.

\*\* Record ceased temporarily.

TABLE III

—SUMMARY OF DAILY OBSERVATIONS

MARCH,

1969

DISTRICT, COUNTY AND PLACE	Max. Terminal hr. GMT Min.	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE					
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1931-60 average	Most in A DAY	Precip'n	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. temp. °C.	Concrete min. temp. °C.	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure			
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date																				Amount (mm)	Date	0.2 mm or more
													30 cm.	122 cm.																		
0 SCOTLAND, N.																																
Zetland																																
Hamnavoe ...	9 9	21	4.6	0.5	2.5	-	7.8	5, 25	-3.9	10, 12	-	-	92	-	19	7	28	17	19	7	2	2	1	0	10	-	-	8	3.09	-	-	-
Lerwick	21-9	82	3.7	-0.2	1.7	-2.2	7.7	5	-7.2	12	-	-	77	85	14	7	22	13	16	7	0	12	0	0	18	20	22	7	3.05	105	-	-
Baltasound ...	9 9	24	4.7	-0.8	1.9	-	9.4	5	-5.0	7, 12	2.9	-	99	105	18	8	18	14	17	9	1	6	0	0	15	-	-	4	3.01	-	-	-
Orkney																																
Sule Skerry ...	21-9	13	5.8	2.6	4.2	-	8.8	29	-2.6	10	-	-	52	-	10	7	22	15	8	0	0	2	0	0	4	11	9	8	-	-	-	-
Stenness ...	9 9	23	5.4	0.2	2.8	-	8.3	5, 25, 29	-7.2	12	2.8	4.2	58	86	9	18	22	13	9	7	0	1	0	0	11	21	-	5	3.48	-	-	-
Kirkwall ...	21-9	26	5.1	0.6	2.9	-1.9	8.7	5	-4.0	10	-	-	53	78	9	18	21	14	16	2	5	5	0	0	15	16	15	4	3.38	104	-	-
Caithness																																
Dounreay ...	9 9	21	5.9	0.3	3.1	-	9.4	5, 29	-6.1	12	-	-	33	-	5	14	20	11	8	6	2	0	0	0	11	21	-	4	3.35	-	-	-
Wick	21-9	36	5.6	0.3	2.9	-1.9	10.9	5	-6.2	10	-	-	19	41	3	19	17	9	15	1	0	8	0	0	15	19	17	3	3.35	93	-	-
John O'Groats ...	9 9	30	5.7	0.1	2.9	-	10.0	5	-3.9	10, 27	-	-	26	-	3	14	16	11	9	-	1	6	0	0	13	17	-	7	3.54	-	-	-
Sutherland																																
Cape Wrath ...	21-9	112	5.2	1.6	3.4	-1.9	10.0	21	-2.5	12	-	-	24	33	4	29	15	8	10	0	1	0	0	1	8	14	14	8	3.74	-	-	-
Achany	9 9	85	6.0	-1.8	2.1	-	9.4	21, 29	-10.6	11	2.0	3.4	33	45	8	30	17	9	13	4	4	0	0	1	18	26	-	0	3.16	-	-	-
Strathly	9 9	37	5.7	-0.5	2.6	-2.1	10.0	5	-7.8	12	-	-	45	63	5	18, 29	22	15	16	1	1	6	0	0	16	-	-	0	2.76	85	-	-
Achentoul ...	9 9	137	4.8	-2.1	1.3	-	10.0	29	-9.4	11	-	-	62	-	12	14	22	15	12	6	1	8	0	1	21	26	-	4	2.77	-	-	-
Ross & Cromarty																																
Stornaway	21-9	3	7.2	0.9	4.1	-1.6	11.6	29	-6.2	2	-	-	19	33	4	28	14	5	4	0	0	4	0	0	15	17	14	0	4.41	126	-	-
Balmacra ...	9 9	4	8.1	1.3	4.7	-	12.2	21	-3.9	9	-	-	22	-	7	29	8	7	3	1	0	0	0	0	9	-	-	0	-	-	-	-
Poolewe ...	9 9	6	7.8	1.2	4.5	-	12.8	21	-5.0	11	-	-	31	31	6	29	13	12	1	-	1	0	0	0	7	14	-	0	4.13	-	-	-
Rudh Re ...	21-9	16	6.5	1.9	4.2	-	10.3	21	-3.2	12	-	-	-	-	-	-	-	3	1	1	0	0	0	0	6	7	12	0	-	-	-	-
Inverpollly ...	9 9	14	7.3	0.0	3.7	-	13.9	21	-6.1	10, 11	-	-	30	34	8	29	13	11	4	1	0	0	0	-	12	28	-	1	-	-	-	-
Achnashellach ...	9 9	67	7.1	-0.8	3.1	-2.1	12.2	21	-6.7	9	-	-	52	36	19	29	12	8	3	0	0	0	0	0	14	-	-	0	-	-	-	-
Kinlochewe ...	9 9	23	7.3	-1.1	3.1	-2.6	12.2	21	-7.2	11	3.4	-	49	35	12	29	15	11	4	1	0	1	0	0	17	20	-	0	3.27	-	-	S
Knockanrock ...	9 9	244	4.8	-1.2	1.8	-	9.4	21	-6.7	9, 11, 12	-	-	57	-	13	29	18	13	8	0	0	0	0	-	22	29	-	4	-	-	-	-
Strathconan ...	9 9	107	6.3	-2.3	2.0	-	10.6	21	-9.4	11	-	-	44	-	18	30	15	8	6	4	0	0	0	0	-	21	28	-	0	-	-	-
Fortrose	9 9	5	6.2	0.8	3.5	-1.9	10.0	29	-3.9	10	-	-	12	31	4	19	11	5	2	0	0	0	0	0	8	-	-	0	3.32	95	-	-
Tarbatness ...	21-9	18	5.5	0.9	3.2	-1.8	10.0	5	-3.0	11, 27	-	-	21	73	5	15	13	8	5	0	0	0	0	0	10	-	-	6	-	-	-	-



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS MARCH, 1969

DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)			WEATHER Number of Days										BRIGHT SUNSHINE						
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916-59 average	Most in A DAY Amount (mm.)	Date	Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure	
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date																						
0 SCOTLAND, N. -contd.																																
Inverness																																
Benbecula ...	21-9	6	7.5	1.3	4.4	-1.6	9.9	4	-4.9	9	-	-	10	16	3	29	7	5	0	0	0	2	0	0	10	23	18	0	4.37	-	-	
Isle of Rhum €	99	5	8.1	1.2	4.7	-	11.7	21	-3.3	23	4.5	5.8	21	14	7	29	10	6	0	0	1	0	0	0	11	23	-	1	-	-	-	
Prabost ...	99	67	7.2	1.1	4.1	-	13.9	22	-3.3	9	-	-	28	24	5	29	15	9	2	1	0	2	0	0	9	23	-	1	4.35	-	-	
Duntulm ...	99	90	6.7	1.3	4.0	-1.7	10.0	21, 22	-5.0	10	-	-	23	28	3	3	16	12	3	0	0	0	0	0	6	19	-	0	4.42	126	-	
Onich ¶	99	15	7.4	0.1	3.7	-2.0	11.7	24	-5.6	9, 27	-	-	14	10	5	28	6	4	-	0	-	-	-	-	14	15	-	-	4.25	140	S	
Fort William €	99	8	8.1	-0.6	3.7	-	11.1	15	-7.8	23	3.0	3.7	17	15	8	29	7	3	3	0	0	0	0	0	16	19	-	-	4.05	-	-	
Corpach ...	99	8	8.3	-0.3	4.0	-	11.7	25	(5.6)	2	-	-	19	-	8	29	7	4	1	0	0	0	0	0	16	-	-	3	-	-	-	
Fort Augustus ...	99	21	7.5	-0.4	3.5	-1.8	10.6	28, 29	-6.7	23	-	-	9	-	2	19	10	5	0	0	0	0	0	0	17	-	-	1	4.06	-	-	
Inverness ...	99	4	6.9	-0.3	3.3	-	11.1	29	-6.1	11	-	-	16	47	4	30	9	7	5	2	2	0	0	0	13	20	-	0	3.69	-	-	
Coire Cas Shieling	99	762	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cairngorm ...	99	1090	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Achnagoichan ...	99	305	5.8	-3.3	1.3	-	8.9	4, 29	-10.6	10	1.4	-	17	33	3	23	10	6	-	-	-	-	-	-	25	29	-	-	-	-	-	
Glenmore Lodge	99	341	4.8	-4.1	0.3	-2.9	9.5	29	-11.0	11	-	-	17	27	5	24	16	7	-	7	-	-	-	-	1	27	30	29	-	3.83	-	S
1 SCOTLAND, E.																																
Nairn																																
Nairn ...	99	6	6.7	-0.9	2.9	-2.4	11.7	29	-6.7	10	-	-	17	49	4	19	18	7	3	1	1	0	0	0	16	23	-	0	3.81	104	-	-
Moray																																
Grantown-on-Spey	99	229	5.1	-4.0	0.5	-	10.6	29	-11.1	10	-	-	27	-	6	19	17	11	9	2	3	0	0	0	26	28	-	0	-	-	-	
Forres ¶€	99	47	6.4	-0.3	3.1	-2.2	11.1	29	-6.1	10	2.4	3.1	21	61	6	14	15	5	8	0	0	0	0	0	12	17	-	0	3.48	95	-	
Kinloss ...	21-9	5	6.3	-0.5	2.9	-2.2	11.5	29	-5.9	12	2.9	-	24	75	7	14	13	5	13	0	0	8	0	0	16	21	18	0	3.68	-	-	
Elgin ...	99	15	5.8	-0.4	2.7	-	11.1	29	-6.7	12	-	-	22	64	4	18	13	9	1	1	0	0	0	0	16	25	-	0	4.22	-	-	
Lossiemouth ...	99	6	5.9	-1.4	2.3	-2.9	11.1	29	-7.2	12	-	-	23	65	6	19	11	7	8	0	4	3	0	0	18	23	23	0	-	-	-	
Gordon Castle ...	99	32	5.8	0.0	2.9	-2.4	11.7	29	-5.6	12	-	-	25	58	7	19	14	9	6	0	1	0	0	-	10	-	-	0	3.94	112	-	
Banff																																
Glenlivet ...	21-9	215	5.0	-2.0	1.5	-	10.3	29	-9.6	10	-	-	22	-	4	29	16	6	19	2	2	2	0	0	23	27	27	0	3.43	-	-	
Banff ...	99	24	5.2	0.6	2.9	-	10.6	29	-2.8	12	-	-	18	-	4	24	15	7	9	1	0	0	0	0	9	-	-	4	2.80	-	-	
Aberdeen																																
Braemar ...	99	339	3.3	-3.8	-0.3	-3.1	7.8	29, 30	-10.6	3, 11	-	-	46	82	7	14	17	11	-	29	-	-	-	-	0	26	27	-	-	3.11	-	-
Balmoral ...	99	283	3.2	-3.4	-0.1	-3.1	8.9	29	-11.7	11	-	-	67	129	13	13	18	15	16	22	0	0	0	-	25	29	-	0	-	-	-	
Dinnet ...	99	177	4.4	-2.2	1.1	-	11.1	29	-8.3	11	1.4	-	61	-	(13)	18	17	12	-	13	-	-	-	-	0	24	29	-	-	2.81	-	-
Gartley ...	99	160	3.9	-1.6	1.1	-	10.6	29	-6.7	12	-	-	45	-	7	14	22	12	-	-	-	-	-	-	-	24	27	-	-	-	-	-
Inverurie Swgs. Wks.	99	54	5.1	-0.9	2.1	-	12.2	29	-6.7	10	-	-	38	-	8	14	16	11	13	5	1	0	0	0	16	21	-	0	3.02	-	-	
Fyvie Castle ...	99	66	5.1	-1.4	1.9	-	12.2	29	-7.8	12	-	-	40	68	(6)	14	20	15	12	6	2	0	0	-	17	-	-	4	2.92	-	S	
Craibstone ¶€	99	91	4.7	-0.3	2.2	-2.3	11.1	29	-4.4	10	2.3	3.2	44	84	12	15	19	11	12	8	2	4	0	0	13	21	-	4	3.20	91	-	
Dyce ...	21-9	58	5.2	-0.7	2.3	-2.2	12.0	29	-6.5	10	-	-	34	63	11	15	16	9	18	6	0	10	0	0	17	20	21	0	2.79	-	-	
Aberdeen ...	99	52	5.2	-0.6	2.3	-2.5	11.7	29	-5.6	10	-	-	46	91	15	15	17	8	9	5	2	0	0	0	17	26	-	-	3.19	96	-	
Fraserburgh ...	21-9	18	4.8	1.8	3.3	-	10.7	29	-1.7	12	-	-	34	-	8	14	17	9	9	0	1	1	0	0	3	15	12	5	3.14	-	-	
Kincardine																																
Fettercairn ...	99	171	3.8	-	-	-	9.4	29, 30	-	-	-	-	52	86	13	15	17	9	15	18	0	1	0	1	-	24	-	0	2.81	-	S	
Strachan ...	99	120	4.6	-1.8	1.4	-	11.7	29	-8.3	10	1.8	-	90	-	25	18	13	11	11	10	0	4	0	3	22	18	-	0	2.73	-	-	
Banchory ...	99	77	5.3	-1.1	2.1	-	11.1	29	-6.1	10	-	-	59	-	12	14, 18	17	9	13	13	0	12	0	2	18	22	-	0	-	-	-	
Angus																																
Mylnfield €	99	30	5.1	-0.1	2.5	-	12.2	29	-4.4	5, 6	2.1	3.8	48	109	11	13	14	10	7	3	0	0	0	0	16	28	-	0	2.78	-	-	
Dundee ¶	99	45	5.4	-0.1	2.7	-2.4	12.2	29, 30	-4.4	6, 16, 18	2.3	-	51	101	10	15	15	12	11	0	2	6	0	0	15	23	-	0	2.85	-	-	
Glamis Castle ...	99	61	4.9	-1.1	1.9	-	11.7	6, 29	-6.1	10	-	-	71	140	10	14	17	13	14	11	0	0	0	0	17	27	-	0	-	-		



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS

MARCH, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE			
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1931-60 average	MOST IN A DAY		Precip'n	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure		
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date															0.2 mm or more	1.0 mm or more
1 SCOTLAND, E. — contd.																																	
Berwick — contd.																																	
Marchmont ...	99	152	3.6	-0.7	1.5	-3.2	10.6	30	-3.9	5	-	49	91	21	13	16	11	13	19	0	0	0	0	19	-	-	0	1.84	59	S	-	-	-
Whitchester ...	99	255	2.8	-1.4	0.7	-	10.0	30	-6.1	5	-	75	39	19	13	17	12	17	28	0	0	0	-	26	-	-	0	-	-	-	-	-	-
St. Abb's Head	99	75	4.5	1.5	3.0	-	11.0	30	-1.2	28	-	-	-	-	-	-	-	9	0	0	0	0	6	6	-	1	-	-	-	-	-	-	-
Peebles																																	
Stanhope Farm	99	226	4.8	-2.1	1.3	-	10.6	6	-9.4	5	-	20	28	4	30	14	7	11	5	0	0	0	1	21	29	-	2	-	-	-	-	-	-
Blyth Bridge ...	99	253	3.8	-1.7	1.1	-	8.9	5,30	-6.1	6	-	16	27	4	30	12	5	12	5	2	1	0	0	25	28	-	4	2.54	-	-	-	-	-
West Lynton ...	99	244	3.9	-2.7	0.6	-	8.9	6,30	-7.8	5	1.2	24	37	6	14	17	9	5	6	0	1	0	0	28	28	-	0	-	-	-	-	-	-
Glentress ...	99	177	4.8	-1.6	1.6	-	11.1	6	-8.9	6	-	23	46	6	14	15	7	-	5	-	-	-	0	20	-	-	-	-	-	-	-	-	-
Selkirk																																	
Bowhill ...	99	183	4.7	-1.3	1.7	-	10.6	6,30	-7.8	5	-	51	89	9	12	15	12	15	14	0	1	0	1	23	-	-	0	-	-	-	-	-	-
Galashiels ...	99	198	3.6	-1.5	1.1	-	9.4	6,30	-6.7	5,6	-	53	-	17	13	15	12	12	8	0	5	0	2	25	26	-	0	2.08	-	-	-	-	-
Roxburgh																																	
Wauchope ...	99	171	4.3	-1.5	1.4	-	10.6	6	-8.9	5	-	30	49	6	31	17	10	11	8	0	0	0	1	25	-	-	0	-	-	-	-	-	-
Kelso ...	99	35	5.0	-0.4	2.3	-	12.8	30	-6.1	5	-	46	-	17	13	15	10	12	5	0	3	0	0	14	22	-	0	1.89	-	-	-	-	-
Sourhope ...	99	219	3.1	-1.4	0.9	-3.0	10.0	6	-6.1	5,9	-	-	-	-	-	-	-	14	13	0	3	0	1	24	28	-	3	2.14	-	-	-	-	-
6a SCOTLAND, W.																																	
Argyll																																	
Tiree ...	21-9	9	7.4	2.0	4.7	-1.6	10.3	28	-3.2	9	-	5	8	1	29	7	2	0	0	0	1	0	0	4	17	15	0	4.45	119	-	-	-	-
Rhuvaal ...	21-9	20	6.8	2.3	4.5	-	10.6	15	-1.0	28	-	24	29	6	30	9	5	0	0	0	0	0	0	2	22	16	6	-	-	-	-	-	-
Colonsay ...	99	27	7.2	-	-	-	10.0	4,24,25	-	-	-	21	26	6	30	11	9	0	-	0	0	0	1	-	-	-	0	-	-	-	-	-	-
Aros ...	99	37	8.7	-0.2	4.3	-	11.7	15,25	-5.0	9,23	-	17	-	6	29	7	7	1	0	0	1	0	0	6	21	-	1	-	-	-	-	-	-
Craighouse ...	99	3	7.4	1.5	4.5	-	11.1	24	-1.6	5,9	-	25	-	8	30	9	8	-	0	-	0	0	7	15	-	-	-	-	-	-	-	-	-
Machrihanish ...	21-9	10	6.5	0.3	3.4	-	10.0	15	-4.3	5	-	24	-	11	30	11	5	6	0	0	0	0	0	13	19	19	1	3.80	-	-	-	-	-
Campbeltown ...	99	3	6.3	-	-	-	10.0	8,30	-	-	-	23	-	15	30	4	3	0	0	0	0	0	-	-	-	6	3.80	-	-	-	-	-	-
Achaglachgach ...	99	12	6.9	-0.8	3.1	-	11.7	24	-6.7	7	-	32	34	9	30	11	9	3	0	0	0	0	0	15	18	-	0	-	-	-	-	-	-
Knapdale Forest ...	99	40	7.2	-1.3	2.9	-	10.6	24,29	-5.6	9	-	20	-	6	29	11	7	5	0	0	0	0	0	19	20	-	4	-	-	-	-	-	-
Glenbranter ...	99	24	6.7	-0.8	2.9	-	10.0	24,30	-5.6	6,9	-	23	-	8	29	11	7	-	0	-	-	-	0	16	19	-	-	-	-	-	-	-	-
Glen Etive ...	99	24	7.6	-1.3	3.1	-	11.7	24,25	-7.8	6	-	26	-	11	29	9	5	3	0	0	0	0	-	16	20	-	0	-	-	-	-	-	-
Benmore Y.B.G. *	99	12	6.2	-0.3	2.9	-	10.0	24,28,30	-4.4	5,9	-	23	14	8	29	9	6	5	0	0	2	0	0	15	22	-	0	-	-	-	-	-	-
Bute																																	
Kildonan ...	21-9	18	6.2	1.6	3.9	-	10.5	30	-1.1	27	-	31	-	12	30	11	8	6	-	1	0	0	0	14	14	16	2	-	-	-	-	-	-
Brodick Castle ...	99	15	6.7	0.7	3.7	-	11.1	30	-3.9	5,27	3.9	40	-	16	30	11	7	6	0	0	0	0	0	11	16	-	0	-	-	-	-	-	-
Rothsay ...	99	43	6.0	1.1	3.5	-2.2	10.6	24,25	-1.7	9	2.8	25	30	6	30	10	6	5	0	0	1	0	0	7	18	-	1	3.27	104	-	-	-	-
Dunbarton																																	
Finnart ...	99	15	6.2	0.5	3.3	-	10.0	(29),30	-2.8	9	-	19	-	(8)	29	6	5	3	0	0	0	0	-	11	-	-	2	-	-	-	-	-	-
Helensburgh ...	99	89	5.1	-0.9	2.1	-3.0	10.6	30	-5.0	9	-	24	26	4	19	11	11	0	-	0	0	0	0	24	-	-	0	2.74	91	-	-	-	-
Sloy ...	21-9	12	6.3	0.0	3.1	-	11.6	24	-5.4	27	-	27	-	10	29	14	8	8	-	0	0	0	0	13	-	-	0	-	-	-	-	-	-
Cumbernauld ...	99	94	5.4	-0.9	2.3	-	12.2	30	-5.0	6	-	35	-	10	13	14	8	11	7	0	0	0	0	20	27	-	0	-	-	-	-	-	-
Stirling																																	
Earl's Hill ...	21-9	335	2.6	-1.5	0.5	-	8.5	29	-5.4	10	-	33	-	7	13	12	8	12	-	0	7	0	6	27	28	28	8	2.45	-	-	-	-	-
Stirling ...	99	46	5.8	0.2	3.0	-2.6	11.7	6,29,30	-3.9	5	2.0	18	31	7	19	12	4	8	0	0	2	0	0	12	23	-	0	2.63	-	-	-	-	-
Falkirk Swge. Wks.	99	3	5.6	0.2	2.9	-	12.2	29	-2.8	4,9,27	-	24	-	10	13	15	6	9	0	0	0	0	1	10	-	-	0	2.06	-	-	-	-	-
Grangemouth ...	99	4	5.7	0.4	3.1	-	11.7	29,30	-3.3	5,6	-	20	-	9	13	13	5	3	0	1	0	0	0	9	17	-	0	-	-	-	-	-	-
Renfrew																																	
Greenock ...	99	61	5.2	0.7	2.9	-2.9	9.4	28,29,30	-1.7	5,9,27	-	17	16</																				



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS

MARCH,

1969

DISTRICT, COUNTY AND PLACE		Max. Min.	Terminal hr. GMT. of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
					MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				° 30 cm.	° 122 cm.	Total fall (mm.)	Percentage of 1911-60 average	Most in a DAY Amount (mm.)	Date	Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
					Max. (A)	Min. (B)			Maximum	Date	Minimum	Date							0.2 mm or more	1.0 mm or more																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS MARCH, 1969

DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE				
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1910-50 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure		
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date	0.2 mm or more	1.0 mm or more															
3 ENGLAND, E. — contd.																																	
Essex																																	
Harlow ...	99	79	6.9	0.8	3.9	-	13.3	8	-4.4	7	-	5.8	54	-	16	10	12	9	5	0	0	0	0	8	14	-	-	0	2.10	-	-	-	
Stansted ...	99	101	6.2	0.5	3.3	-2.2	13.6	8	-5.6	7	-	-	65	171	15	12	13	10	9	1	0	2	0	7	14	18	14	0	-	-	-	-	
Writtle ...	99	32	6.9	0.3	3.6	-	12.2	8,31	-6.7	20	4.3	-	62	172	16	10	13	10	0	0	0	0	0	5	13	16	-	0	1.79	-	-	-	
Southend ...	99	27	6.9	1.8	4.3	-2.2	12.8	8	-2.8	-	-	-	69	208	22	10	14	11	3	0	0	0	0	7	6	8	-	0	(1.87)	(46)	-	-	
Maldon ...	99	4	6.7	1.3	4.0	-	12.8	31	-3.3	7,8	-	-	62	-	15	10	17	8	3	-	0	0	0	5	7	-	-	0	-	-	-	-	
Earls Colne ...	99	49	6.9	0.9	3.9	-	12.8	8	-4.4	7	4.3	5.6	72	190	18	12	9	9	-	0	-	-	-	4	10	13	-	-	-	-	-	-	
Shoeburyness ...	21-9	2	6.3	1.9	4.1	-2.0	12.0	31	-3.7	8	-	-	67	209	23	10	13	9	9	0	2	0	5	7	14	9	0	2.31	57	-	-	-	
Clacton-on-Sea ...	99	16	5.9	1.9	3.9	-1.7	11.7	31	-2.2	8	4.9	5.7	63	190	15	12	12	9	1	0	0	0	0	3	4	8	-	0	2.47	58	-	-	
Walton-on-Naze ...	21-9	5	5.9	2.0	3.9	-	12.7	31	-3.0	8	-	-	58	-	18	12	12	10	1	0	0	0	0	5	4	7	6	1	2.82	-	-	-	
Dovercourt ...	99	3	6.4	0.9	3.7	-2.2	12.2	13	-3.9	8	-	-	-	-	16	10	14	11	2	0	0	0	0	0	8	-	-	0	2.50	-	-	-	
4 MIDLAND COUNTIES																																	
Yorks., W. Riding																																	
Slaidburn ...	99	192	4.2	-0.8	1.7	-	11.7	6	-6.1	6	-	-	95	103	35	13	15	9	4	9	0	0	0	2	22	28	-	0	2.32	-	-	-	
Malham Tarn ...	99	395																															
Huddersfield ...	99	99	4.6	-0.2	2.2	-	11.7	6	.6	6	1.9	3.6	108	195	31	12	14	11	-	12	-	-	-	5	17	20	-	-	1.80	73	-	-	
" Oakes ...	21-9	235	3.5	-0.6	1.5	-	10.5	6	-4.1	6	1.5	3.5	106	165	29	12	18	12	16	20	0	11	1	9	26	27	-	0	2.02	69	-	-	
Bradford ...	99	134	4.0	-0.3	1.9	-3.1	11.7	6	-4.4	6	1.9	3.6	114	211	28	12	16	11	10	20	0	5	0	6	19	23	-	0	-	-	-	-	
Ilkley ...	99	96	4.6	0.1	2.3	-2.8	11.7	6	-4.4	6	-	-	-	-	-	-	17	13	11	6	4	1	0	1	14	-	-	0	2.07	67	-	-	
Sheffield ...	99	131	4.7	0.0	2.3	-3.4	11.1	6,31	-3.9	6	2.0	4.2	120	232	44	12	14	13	-	20	-	-	-	19	24	-	-	1.55	55	-	-	-	
Pontefract ...	99	78	4.6	-0.1	2.3	-3.1	11.7	30	-3.3	6	-	-	102	291	31	31	14	10	12	6	0	0	0	21	22	-	0	-	-	-	-	-	
Bramham ...	99	54	4.6	0.0	2.3	-	11.7	30	-4.4	6	-	-	93	198	30	12	13	10	9	5	0	0	0	1	14	22	-	0	1.95	-	-	-	
Cawood ...	99	6	5.2	0.4	2.8	-	11.7	30	-3.9	6,28	2.8	4.0	76	206	17	31	14	10	5	3	0	0	0	1	12	23	-	0	1.79	-	-	-	
Askham Bryan ...	99	34	5.1	0.3	2.7	-	12.2	30	-3.9	6	-	-	74	196	17	12	13	10	7	1	0	0	0	1	9	11	-	0	2.05	65	-	-	-
Derby																																	
Buxton ...	99	307	2.8	-1.4	0.7	-3.3	8.9	6,31	-6.1	6,7	1.0	2.7	85	117	18	12	12	11	3	16	0	1	0	15	26	27	-	0	-	-	-	-	
Ashover ...	99	186	4.1	-0.3	1.9	-	10.6	31	-5.6	6	-	-	82	-	27	12	17	11	16	11	1	3	0	6	21	27	-	0	2.07	-	-	-	
Derby ...	99	48	5.8	0.6	3.2	-	12.8	31	-4.4	28	-	-	54	117	20	12	16	8	5	0	0	0	0	1	7	13	-	0	1.76	-	-	-	
Morley ...	99	107		0.2	-	-	11.1	8,30,31	-2.8	6,7	-	-	62	133	25	12	15	9	5	1	0	1	0	-	16	-	0	2.00	-	-	-	-	
Wingerworth ...	99	127	4.4	-0.4	2.0	-	11.1	31	-5.6	6,28	-	-	87	-	28	12	19	14	11	11	0	5	0	8	20	24	-	0	-	-	-	-	
Nottingham																																	
Sutton Bonington ...	99	48	5.8	0.3	3.1	-2.5	12.8	31	-5.6	7	3.3	(4.4)	56	155	26	12	14	9	4	0	0	0	0	2	12	16	-	0	1.73	53	-	-	
Watnall ...	21-9	117	5.3	0.1	2.7	-2.9	11.8	8	-3.4	7	-	-	68	154	20	12	16	9	12	1	0	8	0	4	17	15	15	0	1.74	53	-	-	-
Mansfield ...	99	110	3.9	0.1	2.0	-3.6	10.6	8,31	-3.3	6,28	2.3	-	81	181	24	12	13	10	8	1	0	0	0	1	11	16	-	0	-	-	-	-	
Nottingham ...	99	59		1.0	-	-	-	-	-2.8	7	2.6	3.4	57	153	21	12	13	9	2	1	0	2	0	3	4	12	-	0	1.75	58	-	-	-
Warsop ...	99	46	5.3	-0.1	2.6	-	12.2	31	-6.1	7	-	-	78	207	27	12	16	11	5	0	0	0	0	6	19	17	-	0	1.58	-	-	-	
Finningley ...	21-9	10	5.6	0.6	3.1	-2.7	11.6	8,31	-6.6	7	-	-	-	-	20	12	13	12	9	1	0	5	0	4	10	10	9	0	1.74	-	-	-	-
Leicester																																	
Newtown Linford ...	99	119	5.4	-0.1	2.7	-	12.8	8	-5.6	7	-	-	61	138	24	12	14	9	4	1	0	3	0	1	15	20	-	0	1.81	-	-	-	-
Caldecott ...	99	53	6.0	-0.4	2.8	-	12.8	8,31	-7.8	7	-	-	43	121	21	12	13	7	-	1	-	-	-	13	18	20	-	-	1.81	-	-	-	
Northampton																																	
Bugbrooke Mills ...	99	69		0.1	-	-	11.7	31	-5.6	7	3.7	(4.9)	56	146	25	12	13	9	2	1	0	0	0	0	4	19	-	0	1.87	-	-	-	-
Raunds ...	99	59	6.1	0.0	3.1	-2.6	12.2	8,31	-7.8	7	3.4	5.4	52	140	-	-	17	9	4	1	0	2	0	2	13	15	-	0	2.05	58	-	-	-
Wittering ...	99	65	5.6	0.7	3.1	-2.6	13.2	31	-3.7	8	-	-	50	139	23	12	15	9	10	1	0	6	0	4	13	18	13	0	2.24	-	-	-	-
Warwick																																	



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS

MARCH,

1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days											BRIGHT SUNSHINE				
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1931-60 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure	
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date																
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date																
4 MIDLAND COUNTIES — contd.																																	
Hereford																																	
Lyonshall ...	99	155	8.3	2.4	5.3	-0.3	12.2	8.31	-3.3	6.28	-	-	81	142	29	12	11	9	-	-	-	-	-	-	16	22	-	-	-	-	-	-	-
Ross-on-Wye	21-9	68	7.0	1.1	4.1	-2.3	13.3	8	-4.8	7	4.3	5.6	61	124	20	12	9	8	1	0	0	0	0	1	7	14	12	0	2.29	61	-	-	
Preston Wynne	99	84	6.7	0.5	3.6	-	12.2	8.31	-4.4	7	-	-	75	179	23	12	11	8	2	1	0	0	0	2	12	19	-	0	2.17	-	-	-	
Gloucester																																	
Filton ...	21-9	59	7.4	1.4	4.4	-2.1	13.1	15	-4.6	9	-	-	63	126	25	12	11	9	4	0	0	1	0	2	9	12	12	0	2.31	-	-	-	
Hempsted ...	99	12	7.4	0.9	4.1	-	13.3	15	-5.0	7.9	5.1	6.4	53	110	17	12	9	8	4	0	0	0	0	0	8	11	-	0	2.32	-	-	-	
Gloucester	21-9	24	7.6	1.7	4.7	-	13.1	15	-4.9	7	-	-	52	-	16	12	11	7	3	0	0	1	0	3	7	11	10	0	2.29	-	-	-	
Cheltenham ...	99	65	7.1	0.8	3.9	-2.5	12.8	8	-4.4	6	-	-	40	95	14	12	13	9	-	-	-	-	-	9	-	-	-	-	2.25	-	-	-	
Cirencester ...	99	135	7.0	0.4	3.7	-	12.8	15	-3.9	9.28	-	-	59	105	21	12	10	7	4	0	0	0	0	1	14	17	-	0	2.27	-	-	-	
Little Rissington	21-9	226	5.6	(0.2)	(2.9)	-	12.1	8	-3.5	6	-	-	58	111	22	12	13	7	8	1	0	6	0	7	20	20	19	0	2.28	-	-	-	
5 ENGLAND, S.E.																																	
Greater London																																	
Kensington Palace	99	25	7.6	1.9	4.7	-2.4	12.8	8.31	-2.2	7.8	5.1	5.7	58	148	18	10	11	10	1	0	0	0	0	6	6	13	-	0	-	-	-	-	
Hampstead ...	99	137	6.7	0.4	3.5	-2.3	12.5	8	-3.5	8	-	-	57	-	16	10	12	9	3	0	0	0	0	-	15	17	-	0	2.22	62	-	-	
St. James's Park	99	4	8.0	2.6	5.3	-1.9	12.8	8.31	-1.7	8	-	-	57	-	19	10	11	8	1	-	0	0	0	-	2	9	-	0	-	-	-	-	
Camden Square	99	34	7.5	2.0	4.7	-2.4	12.8	8.31	-1.7	8	3.8	-	58	-	18	10	13	9	-	0	-	-	-	-	6	-	-	-	-	-	-	-	
London/W.Centre	-	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.23	71	-	-	
Greenwich ...	99	7	(7.7)	1.5	(4.6)	-	13.3	8	-3.9	7.8	-	-	57	154	21	10	10	9	0	0	0	0	0	2	9	13	-	0	1.80	55	-	-	
Heathrow	21-9	25	7.7	1.7	4.7	-1.9	13.4	8	-5.0	9	-	-	56	147	15	10	11	9	6	0	0	1	0	3	6	12	7	0	2.15	-	-	-	
Hampton ...	99	12	7.9	1.4	4.7	-	12.2	8.31	-5.0	8	-	-	58	160	16	10	11	9	3	0	0	2	0	6	6	13	-	0	2.07	-	-	-	
Wealdstone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.09	-	-	-	
Southgate	99	67	-	-	-	-	-	-	-	-	4.8	-	54	136	16	10	11	9	2	0	0	0	0	3	-	21	-	0	-	-	-	-	
Kew	21-9	5	7.7	1.4	4.5	-2.2	13.0	31	-7.8	7	4.8	5.9	56	150	17	10	10	9	2	0	0	2	0	6	6	12	8	0	2.11	58	-	-	
Waddon	99	67	-	1.5	-	-	-	-	-4.4	8	-	-	59	137	17	10	10	8	-	-	-	-	-	-	6	-	-	-	-	-	-	-	
Addington	99	144	6.7	0.9	3.8	-2.1	12.2	8	-3.3	7	-	-	62	139	19	10	14	9	-	-	-	-	-	0	8	-	-	-	-	-	-	-	
Bromley	99	65	-	0.4	-	-	-	-	-6.1	8	-	-	53	130	18	10	11	7	-	0	-	-	-	1	14	-	-	-	-	-	-	-	
Surrey																																	
Gatwick ...	21-9	59	7.9	0.9	4.4	-1.7	13.0	18	-7.2	7	-	-	63	139	18	10	11	8	4	0	0	1	0	7	9	15	13	0	2.20	-	-	-	
Witley	99	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mickleham	99	55	7.9	0.6	4.3	-	12.8	8	-6.7	7	-	-	60	126	17	12	13	9	4	0	0	0	0	4	10	14	-	0	-	-	-	-	
Kent																																	
Dartford	99	5	7.7	1.4	4.5	-	13.3	8	-5.6	8	-	-	57	163	18	10	12	8	5	0	0	0	0	3	7	-	-	0	-	-	-	-	
Hadlow College	99	27	7.7	1.3	4.5	-	12.8	31	-5.6	8	5.1	5.8	61	-	15	10	10	9	1	0	0	5	0	6	8	12	-	0	2.02	-	-	-	
Gillingham	99	4	6.8	1.6	4.2	-	12.8	8.14.31	-5.0	8	-	-	56	143	19	10	11	7	-	-	-	-	-	-	7	-	-	-	-	-	-	-	
Isle of Grain	99	3	(7.4)	(2.9)	(5.1)	-	12.8	8.14.31	-1.7	7.8	-	-	62	-	21	10	11	8	1	0	0	0	0	5	2	7	-	0	2.31	-	-	-	
Dungeness	21-9	3	7.2	2.1	4.7	-1.1	11.2	18	-4.6	9	-	-	44	116	15	12	11	11	1	0	0	0	0	4	5	-	1	-	-	-	-	-	
Whitstable	99	3	7.2	1.9	4.5	-	13.3	31	-5.8	8	-	-	49	145	15	10	10	9	2	0	0	0	0	2	5	-	-	0	2.46	-	-	-	
Folkstone	99	39	6.8	2.4	4.6	-	10.6	15	-1.1	9	-	7.3	60	151	15	12	13	10	2	0	0	3	0	4	2	7	-	0	(2.82)	-	-	-	
Elmstone	99	9	6.7	1.7	4.2	-	11.1	14	-4.4	7.8	-	-	48	-	15	10	13	9	-	-	-	-	-	6	7	8	-	-	-	-	-	-	
Herne Bay	99	6	7.1	2.7	4.9	-	13.9	31	-2.8	8	-	-	55	153	17	10	11	9	2	0	0	0	0	3	2	-	-	0	2.33	-	-	-	
Dover	99	6	(7.1)	2.5	(4.8)	(-1.5)	9.4	17.18.31	-2.2	8	5.6	5.8	60	130	15	12	11	9	6	0	0	1	0	3	4	-	-	0	2.65	-	-	-	
Deal	21-9	5	6.5	3.3	4.9	-	12.4	31	-3.2	8	-	-	53	-	14	12	12	10	2	0	0	0	0	7	3	5	5	0	-	-	-	-	
Manston	21-9	44	6.8	2.3	4.5	-	13.3	31	-5.6	8	-	-	53	166	16	10	12	10	4	0	0	4	0	5	5	8	8	0	-	-	-	-	
Ramsgate	99	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Margate	99	16	6.7	3.1	4.9	-1.6	13.3	31	0.0	8	-	5.9	50	161	17	10	13	9	0	0	0	0	0	3	1	-	-	0	2.55	57	-	-	
West Malling	99	93	7.3	0.7	4.2	-	12.8	8	-6.5	8	-	-	60	-	16	10	10	7	1	0	0	3	0	10	10	15	13	0	2.12	-	-	-	
Goudhurst	99	85	7.4	0.9	4.1	-	1																										



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS

MARCH, 1969

DISTRICT, COUNTY AND PLACE	Max. Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPERATURE °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE																					
			MEANS OF		Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total (mm.)	Percentage of 1931-60 average	MOST IN A DAY		Precip'n 0.2 mm or more	140 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost below 0°C	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure																				
			Max. (A)	Min. (B)		Maximum	Date	Minimum	Date					Amount (mm.)	Date																																			
5. ENGLAND, S.E. — contd.																																																		
Hampshire — contd.																																																		
Southsea	99	2	8.2	(2.9)	(5.5)	(-1.5)	12.2	30	-1.7	8	6.1	7.3	73	154	18	11	15	14	4	0	0	0	0	4	2	12	-	0	2.49	57	-																			
Hayling Island	99	4	7.7	2.2	4.5	-	11.1	8,15,19	-2.8	8	-	-	75	-	18	11	15	12	2	0	0	0	0	2	6	-	0	2.75	-	-																				
Long Sutton	99	156	7.3	0.4	3.9	-1.9	11.7	31	-5.6	7	-	-	71	124	15	12	14	12	4	0	0	2	0	10	19	21	-	0	2.24	57	S																			
Alice Holt Lodge	99	115	7.6	0.9	4.3	-	11.7	8,30,31	-5.6	8	-	-	67	129	15	11	14	11	1	0	0	0	0	3	10	17	-	0	2.25	-	S																			
S. Farnborough	99	69	7.9	0.6	4.3	-1.8	12.9	31	-7.7	8	-	-	53	123	14	12	12	10	5	0	0	0	0	4	8	16	11	0	2.17	56	-																			
Isle of Wight																																																		
St. Catherine's Pt.	99	16	7.6	2.0	4.8	-1.7	10.5	6,18	-2.0	28	-	-	89	182	27	11	13	9	1	-	0	0	0	2	6	-	0	-	-	-	-																			
Ventnor *	99	135	7.7	2.7	5.2	-1.6	10.6	18,19	-1.7	9,28	5.8	6.7	102	188	31	11	14	11	0	0	0	0	0	5	3	7	-	0	2.95	64	-																			
Shanklin	99	55	7.6	2.2	4.9	-	11.7	18	-3.3	8,9	-	-	106	179	31	11	13	10	4	-	0	1	0	8	6	-	1	2.65	-	-	-																			
Sandown	99	4	8.4	2.5	5.5	-1.3	11.7	18,31	-2.2	9	-	-	95	190	27	11	13	9	1	0	0	0	0	4	0	-	2	2.46	-	-	-																			
Ryde	99	5	8.0	2.6	5.8	-1.5	12.8	18	-3.3	8	-	-	80	163	20	11	13	11	0	0	0	0	0	2	4	-	0	2.43	58	-	-																			
Wiltshire																																																		
Lacock	99	49	7.6	0.9	4.3	-	12.8	15	-5.6	7,8	-	-	61	128	17	12	11	9	-	0	-	-	1	10	16	-	-	-	-	-	-																			
West Lavington	99	93																																																
Lyneham	21-9	145	6.9	0.7	3.8	-1.9	12.0	8	-5.0	9	-	-	50	110	13	12	11	9	3	0	0	3	0	6	13	17	16	0	2.27	-	-	-																		
Larkhill	99	132	7.7	0.6	4.1	-1.7	12.0	8,18	-6.5	9	-	-	63	137	19	12	14	11	4	0	0	1	0	5	13	15	14	0	-	-	-	-																		
Boscombe Down	21-9	126	7.9	1.2	4.5	-1.5	12.3	8	-5.7	9	-	-	58	129	17	12	14	10	5	0	0	2	0	3	9	17	13	0	2.37	58	-	-																		
Upavon	21-9	176	7.1	0.8	3.9	-	12.0	8	-5.5	9	-	-	58	121	18	12	12	12	6	0	0	3	0	5	12	17	16	0	-	-	-	-																		
Porton	99	111	7.8	0.3	4.1	-1.7	12.8	31	-6.5	9	4.0	-	61	129	18	12	14	10	-	0	-	-	4	14	19	14	0	2.32	56	-	-																			
7a. ENGLAND, N.W.																																																		
Cumberland																																																		
Sellafield	99	13	7.1	(0.1)	(3.6)	-	9.4	30	-7.8	24	-	-	59	88	23	18	8	6	-	0	-	-	1	11	17	-	-	3.36	-	-	-																			
Carlisle	21-9	26	5.6	0.1	2.9	-	11.7	30	-6.6	6	-	-	38	-	10	30	13	8	12	2	0	4	0	0	12	18	18	0	2.78	-	-	-																		
Newton Rigg	99	171	4.9	-0.8	2.1	-2.8	9.4	8,6,30	-6.7	6	1.8	-	46	82	15	30	14	8	-	4	-	-	1	18	24	-	-	2.29	68	-	-																			
Spadeadam	99	274	2.8	-2.0	0.4	-	8.9	30	-6.7	6	1.2	2.6	53	-	14	13	17	9	15	6	0	3	0	8	28	29	-	4	2.03	-	-	-																		
Westmorland																																																		
Ambleside	99	46	6.5	-0.1	3.2	-	11.7	6	-7.8	6	-	-	75	63	16	30	10	8	6	1	2	0	0	0	10	-	-	0	-	-	S	-																		
Great Dun Fell	21-9	847	-1.7	-4.9	-3.3	-	5.5	7	-7.4	25	-	-	-	-	-	-	-	-	-	-	-	-	24	29	-	-	-	2.01	-	-	-																			
Moor House	99	556	0.2	-4.1	-1.9	-	5.0	7	-11.7	5,6	0.6	-	111	84	24	29	25	18	-	31	-	-	9	30	30	-	-	1.78	-	-	-																			
Lancashire																																																		
Squires Gate	21-9	10	6.2	0.3	3.3	-1.5	10.9	6	-5.8	6	-	-	51	106	17	12	12	6	11	0	0	2	0	0	12	16	15	0	2.99	79	-	-																		
Aigburth	99	14	6.2	1.1	2.7	-	12.2	31	-2.6	9	2.9	5.7	52	-	20	12	11	8	3	0	0	0	0	1	7	12	-	0	2.65	-	-	-																		
Southport	99	5	5.8	0.3	3.1	-	10.6	6,15	-4.7	6	3.1	8.1	57	116	21	12	13	6	-	0	-	-	0	10	17	-	-	2.77	-	-	-																			
Poulton-le-Fylde	99	12	6.3	-0.4	2.9	-	13.3	6	-4.4	8	-	-	52	100	15	12	14	11	1	0	0	0	0	0	12	-	-	0	-	-	-	-																		
Grizedale	99	91	6.2	-0.9	2.7	-	11.1	6	-6.7	6	2.5	-	113	-	27	30	14	9	9	11	5	0	0	0	15	23	-	0	-	-	S	-																		
Speke	21-9	22	6.4	0.7	3.5	-	12.2	31	-4.2	6	-	-	45	99	15	12	10	8	6	1	0	4	0	1	8	15	17	0	2.38	-	-	-																		
Kirkham	99	24	5.7	0.2	2.9	-	10.6	6	-5.6	28	-	-	64	121	22	12	10	7	3	2	0	0	0	0	12	15	-	0	2.91	-	-	-																		
Garstang	99	21																																																
Bailrigg	99	54	5.4	(0.4)	(2.9)	-	10.2	7	-5.4	6	-	-	55	-	18	30	11	8	-	0	-	-	0	10	26	-	-	3.05	-	-	-	-																		
Morecambe	99	7	5.6	0.8	3.2	-2.7	8.9	15,30	-6.1	6	-	-	75	139	21	30	11	8	2	0	0	1	0	0	7	-	0	2.68	71	-	-	-																		
Penketh	99	15																																																
Preston	99	33	5.6	0.4	3.0	-	11.1	6	-4.4	28	-	-	67	122	21	12	9	7	8	2	0	2	0	1	8	12	-	0	-	-	-	-																		
Bolton	99	107	5.2	0.3	2.7	-	10.0	8,30,31	-4.4	6,8	2.9	-	84	-	23	30	12	7	-	3	-	-	0	12	23	-	-	2.36	-	-	-	-																		
Stonyhurst	99	115	5.1	0.0	2.5	-2.7	12.2	6	-4.4	28	-	-	88	131	25	30	9	7	-	4	-	-	0	12	23	-	-	2.32	71	-	-	-																		
Manchester/W. Centre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.29	-	-	-	-																		
Helmshore	99	260	3.4	-0.7	1.3	-	10.0	6	-3.3	6,28	2.0	-	91	99	24	30	13	7	-	9	-	-	0	24	27	-	-	2.28	-	-	-	-																		
Burnley	99	200	(3.9)	(-1.1)	(1.4)	-	10.0	6	-5.6	28	2.4	4.3	80	-	22	30	14	9	6	5	0	0	0	6	23	30	-	0	2.47	-	-	-	-																	
Nelson	99	165	3.9	-0.7	1.6	-	10.5	6	-5.0	6	1.8	4.1	97	159	23	30	13	7	-	8	-	-	1	21	28	-	-	2.08	-	S	-	-																		
Rochdale	99	110	5.0	0.1	2.5	-	10.0	8,30,31	-5.6	8	-	-	86	130	21	30	11	6	3	1	2	0	0	1	9	19	-	3	-	-	S	-																		
Cheshire																																																		
West Kirby Park	99	8	6.6	0.3	3.5	-	12.2	31	-5.0	28	-	-	54	-	24	12	12	6	-	0	-	-	-	9	12	-	-	2.71	-	-	-																			



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS

MARCH,

1969

DISTRICT, COUNTY AND PLACE	Max. Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPERATURE °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE																									
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1910-30 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at thr.	Hail	Ice Pellets etc.	Thunder heard	Fog at thr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure																					
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date																																				
8a. SOUTH WALES.																																																				
Cardigan																																																				
Aberporth ...	21-9	133	7.4	2.3	4.9	-1.8	12.5	15	-1.6	23,24	-	-	49	69	15	12	11	8	1	0	0	1	0	5	14	11	1	3.98	-	-	-																					
Aberystwyth																																																				
Frongoch ...	9 9	138	7.1	0.8	3.9	-2.3	13.9	20	-2.8	23,24	-	-	61	77	18	12	10	7	0	0	0	0	2	17	18	-	0	3.40	84	-	-																					
Gogerddan ...	9 9	31	8.1	0.9	4.5	-	13.3	20	-5.6	28	-	-	53	87	16	12	12	7	0	0	0	0	0	9	20	-	0	3.72	-	-	-																					
Swyddffynnon ...	9 9	165	7.0	0.5	3.7	-	12.8	6,20	-6.7	28	-	-	77	95	23	30	8	6	-	0	-	-	-	0	11	19	-	0	3.47	-	-	-																				
Trawscoed ...	9 9	61	(7.5)	(0.6)	(4.1)	-	13.9	6	-6.7	28	(5.1)	-	70	97	24	12	7	6	0	0	0	0	-	(8)	(17)	-	0	(3.57)	-	-	-																					
Llety-evan-hen	9 9	290	6.0	0.1	3.1	-	12.2	6	-3.3	8,24	-	-	81	97	28	30	11	8	0	0	0	0	2	15	20	-	0	3.83	101	-	-																					
Cwmystwyth ...	9 9	301	(5.4)	(-0.4)	(2.5)	-	11.7	20	-7.2	28	-	-	113	-	60	28	9	9	-	1	-	-	-	-	17	20	-	0	-	-	-																					
Pembroke																																																				
Dale Fort ...	9 9	33	(8.8)	2.8	(5.8)	-	12.8	15,16,17	-1.7	23	(5.8)	-	59	-	19	12	13	10	0	0	0	0	0	2	9	-	0	3.82	-	-	-																					
Milford Haven C.B.*	21-9	37	8.0	2.8	5.4	-	12.5	15	-2.4	23	-	-	61	-	12	17	11	10	0	0	0	0	0	3	11	12	0	-	-	-	-																					
Brawdy ...	9 9	110	7.9	1.3	4.6	-	12.8	15	-5.0	23	-	-	44	58	18	12	11	7	2	0	0	0	1	10	17	-	0	4.23	-	-	-																					
Orielton ...	9 9	61	-	-	-	-	-	-	-	-	-	-	86	-	26	12	9	8	-	-	-	-	-	-	-	-	-	-	-	-	-																					
Haverfordwest ...	9 9	8	-	-	-	-	-	-	-	-	-	-	57	-	22	12	8	8	0	-	0	0	0	13	-	-	0	3.20	-	-	-																					
Carmarthen																																																				
Carmarthen ...	9 9	15	8.7	0.8	4.7	-	12.8	20	-6.1	8	5.3	-	70	-	25	12	12	7	1	0	0	0	0	8	20	-	0	3.65	-	-	-																					
Cenarth Mill ...	21-9	282	5.1	-0.6	2.3	-	11.1	7	-7.4	28	-	-	79	-	29	12	19	10	-	2	-	-	-	7	19	21	-	-	-	-	-																					
Radnor																																																				
Llandrindod Wells	9 9	235	6.1	-0.5	2.8	-2.5	13.3	7	-6.1	28	3.6	-	59	90	27	12	13	10	2	1	0	0	0	0	19	-	0	2.33	65	S	-																					
Brecknock																																																				
Llwynon ...	9 9	262	6.4	-0.2	3.1	-	12.2	7	-5.6	24	-	-	83	-	33	12	14	10	3	0	0	0	0	3	14	-	0	-	-	-	-																					
Glamorgan																																																				
Mumbles ...	21-9	36	7.4	2.3	4.9	-	11.3	15	-1.7	24	-	-	-	-	-	-	-	-	1	0	0	0	0	1	3	11	7	3	-	-	-																					
Penmaen ...	9 9	82	7.7	2.0	4.9	-	12.8	15	-3.3	24	-	-	90	-	39	12	13	9	1	0	0	0	0	2	6	15	-	0	-	-	-																					
Swansea	9 9	8	8.7	2.2	5.5	-1.7	13.3	15	-1.7	8,24,28	5.4	7.1	95	150	45	12	13	9	0	0	0	0	0	7	-	-	0	3.12	79	S	-																					
Port Talbot ...	9 9	7	9.1	2.2	5.7	-	13.9	15,20	-4.4	7	-	-	70	112	33	12	12	7	0	0	0	0	0	7	9	-	-	0	3.68	-	S																					
Neath ...	9 9	62	8.4	2.1	5.3	-	13.3	15	-2.8	24,28	-	-	81	111	40	12	12	7	0	0	0	0	0	1	6	15	-	0	-	-	-																					
Rhoose ...	21-9	67	7.1	1.3	4.2	-	12.2	15	-4.7	9	-	-	76	141	19	12	15	11	2	0	0	2	0	1	9	13	10	0	2.86	74	-	-																				
Cardiff	9 9	62	7.9	1.3	4.6	-2.0	13.3	15	-2.2	9	4.4	5.7	72	111	27	12	11	10	1	-	0	0	0	4	7	21	-	-	2.67	-	S																					
Monmouth																																																				
Tredegar ...	9 9	313	5.9	-0.6	2.7	-	11.7	7	-4.4	28	-	-	93	87	-	12	12	-	5	0	0	0	0	8	23	23	-	0	2.80	-	S	-																				
Newport ...	9 9	23	7.4	1.6	4.5	-2.0	12.8	15	-2.2	9	-	-	87	136	31	12	12	11	3	0	0	0	0	0	7	14	-	0	2.93	-	-	-																				
Usk ...	9 9	21	8.0	0.6	4.3	-	13.3	8	-5.6	7,8	4.2	-	77	114	34	12	9	8	-	0	-	-	-	0	7	13	-	-	2.09	-	-	-																				
Crumbland ...	9 9	245	5.9	-0.2	2.9	-	11.7	8,15	-3.9	6	3.4	4.3	74	108	34	12	13	9	2	0	0	0	0	9	19	16	-	0	2.64	-	-	-																				
8b. ENGLAND, S.W.																																																				
Somerset																																																				
Hawkrigge ...	9 9	314	6.0	0.2	3.1	-	11.1	8,20	-3.3	8,9	-	-	133	146	35	12	18	14	3	0	0	0	0	10	15	21	-	0	2.87	-	-	-																				
Williton ...	9 9	96	7.5	1.1	4.3	-	12.2	8	-5.6	6	4.7	-	93	-	25	12	17	15	4	0	0	0	0	6	10	16	-	0	-	-	-																					
Cannington ...	9 9	29	8.1	1.3	4.7	-	12.2	15,31	-5.6	9	5.7	-	78	162	25	12	14	11	-	-	-	-	2	11	12	-	-	2.45	62	-	-																					
Weston-super-Mare	9 9	9	7.9	1.6	4.7	-2.1	12.8	15	-3.9	9	-	-	62	124	21	12	10	10	2	0	0	0	0	0	6	8	-	0	2.56	64	-	-																				
Crickiet Malherbie	9 9	76	8.4	1.4	4.9	-	13.3	31	-5.0	9	-	-	65	-	19	12	18	11	3	-	0	0	0	6	9	13	-	0	-	-	-																					
Cheddar ...	9 9	11	8.4	1.4	4.9	-	13.3	15	-6.1	9	5.6	-	57	-	18	12	13	12	-	0	-	-	-	10	16	-	-	-	-	-	-																					
Yeovilton ...	21-9	18	8.9	1.5	5.2	-	13.2	15	-7.6	9	-	-	52	-	14	11	14	12	2	0	0	0	0	8	12	10	0	-	-	-	-																					
Rodney Stoke ...	9 9	40	8.3	1.2	4.7	-	12.8	15	-5.6	9	5.2	6.2	58	-	17	12	10	10	-	0	-	-	-	4	9	17	-	-	-	-	-																					
Long Ashton	9 9	49	7.9	1.4	4.7	-1.8	12.8	15	-3.3	6,9,28	4.7	-	66	115	25	12	12	9	1	0	2	0	0	0	8	18	-	0	2.30	61	-	-																				
West Camel ...	9 9	27	8.8	1.1	4.5	-	13.3	15,18	-7.2	9	-	-	54	-	16	12	15	11	4	0	0	0	0	8	18	-	0	-	-	-	-																					
Wincanton ...	9 9	114	8.2	0.9	4.5	-	13.9	29	-6.7	9	-	-	69	-	18	12	14	11	2	0	0	0	0	9	11	19	-	0	-	-	-																					
Bath C.B.S.**	9 9	118	7.6	0.9	4.3	-	12.8	31	-3.3	10	5.2	-	61	114	18	12	14	9	2	0	0	1	0	1	14	-	-	2	-	-	-																					
Dorset																																																				
Portland Bill C.G.	21-9	53	7.5	3.3	5.4	-	10.2	19	-0.7	24	-	-	71	-	23	11	17	8	2	0	0	0	0	9	1	9	7	0	2.59	-	-	-																				
Weymouth ...	9 9	5	8.5	2.6	5.5	-1.6	11.7	18,29	-4.4	28	-	-	84	165	21	12	15	14	1	0	0	0	0	4	5	-	0	2.61	59	-	-																					
Winfrith ...																																																				



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS MARCH, 1969

DISTRICT, COUNTY AND PLACE	Max. Temp. hr. GMT of Observation	Height of Station above NSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPERATURE °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days												BRIGHT SUNSHINE																																									
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1931-60 average	Most in a day													Daily Mean (hr.)	Percentage of 1931-60 average	Exposure																																						
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date						Precip'n	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale																																										
<b>9. NORTHERN IRELAND</b>																																																																				
<b>Londonderry</b>																																																																				
Loughmore Forest	99	174	6.2	-1.3	2.5	-	10.2	7	-8.5	27	-	-	40	-	19	30	9	7	3	1	0	0	0	3	15	22	-	0	-	-																																						
Ballykelly	21-9	2	7.2	0.2	3.7	-2.8	11.4	29	-4.6	24	4.2	5.6	35	66	22	30	8	6	3	0	0	0	0	14	17	15	0	2.91	81	-																																						
Derrynoyd Forest	99	88	6.8	-0.2	3.3	-	11.5	30	-5.9	27	-	-	50	-	20	30	11	8	4	0	0	1	0	3	13	20	-	-	-	-																																						
Somerset Forest	99	43	7.3	-0.2	3.5	-	11.0	28,29,30	-8.0	27	-	-	43	-	25	30	8	6	1	0	0	0	0	12	17	-	-	-	-	-																																						
Coleraine	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																						
Garvagh Forest	99	88	6.4	-0.2	3.1	-	11.7	29	-6.1	27	3.8	5.5	58	-	29	30	9	6	3	0	0	0	0	14	15	-	-	-	-	-																																						
Moneydig	21-9	34	7.1	-0.6	3.3	-2.7	12.0	29	-7.6	27	3.7	-	38	56	22	30	8	6	4	0	0	0	0	3	14	15	15	0	-	-	-																																					
<b>Antrim</b>																																																																				
Portrush Golf Club	99	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																						
Ballymoney	99	55	7.2	-0.9	3.1	-	11.5	29	-6.6	28	-	-	40	-	23	30	7	5	4	-	0	0	0	0	16	-	-	-	3.19	-	-																																					
Lisnafillan	99	38	6.7	-0.4	3.1	-	12.2	29	-7.2	6	-	-	32	-	17	30	9	4	2	0	0	0	0	1	13	15	-	-	2.82	-	-																																					
Aldergrove	21-9	69	6.2	0.5	3.3	-2.6	10.4	29,30	-5.3	24	3.7	5.8	48	84	18	30	11	7	4	0	1	1	0	1	13	17	15	0	2.73	81	-																																					
Greenmount	99	32	6.4	0.2	3.3	-	10.6	30	-5.6	24	3.6	-	48	-	20	30	10	7	1	0	0	0	0	-	13	13	-	-	-	-	-																																					
Altnahinch	99	226	4.6	-0.6	2.0	-	9.4	7	-5.6	24	-	-	76	-	21	30	13	9	5	1	0	0	0	2	16	19	-	8	2.99	-	-																																					
Parkmore Forest	99	235	4.6	-0.6	2.0	-	9.4	30	-4.4	24	-	-	104	-	28	30	14	10	6	6	0	0	0	2	18	24	-	1	-	-	-																																					
Black Mountain	21-9	295	4.3	-0.5	1.9	-	9.5	29	-3.0	27,28	-	-	-	-	-	-	-	-	-	-	-	-	-	6	24	-	-	-	-	-	-																																					
Lowtown	99	271	4.3	-0.9	1.7	-	9.4	6,30	-4.4	24	2.3	-	85	-	21	30	14	12	7	1	0	0	0	3	21	22	-	3	2.85	-	-																																					
Ballypatrick Forest	99	152	5.4	-0.4	2.5	-	9.7	7	-5.0	24,27	-	-	69	-	22	30	13	7	5	0	0	0	0	0	15	16	-	4	3.15	-	-																																					
Belfast, Malone*	99	35	6.4	0.4	3.4	-	11.1	30	-4.4	24	3.6	-	62	-	20	30	12	9	2	-	1	0	0	1	12	25	-	-	2.67	-	-																																					
Newtownabbey	99	32	6.4	1.7	4.1	-	11.7	29,30	-2.8	24	4.2	-	60	-	23	30	11	8	6	0	2	0	0	0	7	15	-	0	2.85	-	8																																					
Woodburn, North	99	217	4.8	-0.8	2.0	-	10.6	30	-5.6	6	-	-	76	100	23	30	13	9	5	6	0	1	1	0	20	21	-	-	-	-	-																																					
Larne	99	43	6.7	0.6	3.7	-	12.8	29	-3.3	24	-	-	73	110	24	30	12	9	3	0	0	0	0	0	12	-	-	-	-	-	-																																					
Kilroot	99	22	6.7	0.7	3.7	-	11.1	29,30	-3.3	6,24	-	-	61	-	22	30	8	8	1	0	0	0	0	0	12	14	-	-	-	-	-																																					
Ballylumford	99	24	6.4	1.2	3.8	-	11.7	28,29	-2.2	2	-	-	77	-	22	30	9	7	2	-	0	0	0	-	5	14	-	-	-	-	-																																					
<b>Down</b>																																																																				
Hillsborough	99	116	5.8	0.1	2.9	-2.7	11.1	29	-3.9	24	3.8	5.1	57	106	14	30	14	7	2	0	0	0	0	2	16	21	-	-	2.49	76	-																																					
Kilkeel	21-9	18	6.6	1.8	4.2	-2.1	13.4	31	-3.0	28	-	-	58	-	23	12	11	7	5	0	0	0	0	0	7	10	10	0	2.77	-	-																																					
Tollymore Park	99	76	6.3	0.5	3.4	-	11.7	30	-3.3	6,28	-	-	82	92	22	12	14	10	2	0	0	0	0	0	12	13	-	-	-	-	-																																					
Rosetta	99	24	6.4	0.9	3.7	-	11.7	30	-3.3	24	-	-	70	-	21	30	12	8	2	0	0	0	0	0	10	-	-	-	-	-	-																																					
Murlough	99	9	6.9	0.0	3.5	-	12.9	29	-6.1	26,28	3.5	4.7	57	-	14	12	12	8	6	0	2	1	0	0	12	13	-	0	2.90	-	-																																					
Stormont Castle	99	56	6.3	0.9	3.6	-	12.8	29	-2.2	24	3.8	5.0	75	128	19	30	12	11	6	0	0	5	0	3	13	20	-	0	3.09	-	-																																					
Downpatrick	99	21	7.1	0.9	4.0	-	12.8	29	-5.6	26	-	-	61	-	15	12	15	10	-	-	-	-	-	-	10	12	-	-	-	-	-																																					
Creighton's Green	99	119	5.6	0.3	2.9	-	12.2	29	-3.3	6,27	-	-	70	-	22	30	12	9	6	1	1	0	0	1	13	19	-	0	-	-	-																																					
Reagh Island**	99	12	5.1	1.5	3.3	-	12.2	29,30,31	-3.3	7	-	-	42	-	13	30	12	8	-	-	-	-	-	0	9	13	-	-	3.13	-	-																																					
Helen's Bay	99	43	6.5	1.7	4.1	-	11.7	29,30	-1.7	24,27	-	-	55	-	20	30	11	9	4	0	0	1	0	1	5	16	-	0	3.18	-	-																																					
Killough	21-9	15	6.4	2.0	4.2	-	12.6	29	-2.4	24	-	-	53	-	13	12	11	9	4	0	0	0	0	1	6	8	-	5	-	-	-																																					
Ballyhalbert	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.17	-	-																																					
<b>Armagh</b>																																																																				
Armagh	99	62	7.3	0.3	3.8	-2.6	12.2	29,30	-5.6	6	4.4	5.2	33	67	11	29	10	5	2	0	0	0	0	5	13	16	-	0	2.67	80	-																																					
Loughgall	99	25	7.1	-0.1	3.5	-	12.2	29	-6.7	6	-	-	29	63	12	30	8	4	4	0	0	1	0	2	13	18	-	0	2.91	-	-																																					
Bessbrook	-	76	-	-	-	-	-	-	-	-	-	-	24	38	9	30	12	4	-	-	-	-	-	-	-	-	-	-	2.67	79	-																																					
Portadown	99	16	7.1	0.1	3.6	-	11.7	29,30	-6.1	6	4.4	6.2	30	-	11	30	10	5	0	-	0	0	0	-	12	17	-	0	-	-	-																																					
Lurgan	99	55	6.8	0.2	3.5	-	11.1	29,30	-6.7	6	3.6	4.9	31	-	12	30	11	6	-	-	-	-	-	-	12	14	-	-	2.70	-	-																																					
<b>Tyrone</b>																																																																				
Lough Bradan	99	169	6.4	-0.8	2.8	-	10.6	30	-5.6	24,27	-	-	36	-	24	30	7	4	-	0	-	-	-	3	14	16	-	-	2.71	-	-																																					
Baronscourt Forest	99	88	7.4	-0.1	3.7	-	11.3	20	-7.0	6	-	-	25	-	19	30	7	2	1	0	0	0	0	4	13	16	-	-	-	-	-																																					
Strabane Convent	99	44	7.7	0.3	4.0	-	11.7	7	-4.2	6	-	-	26	-	21	30	9	3	1	0	0	0	0	5	13	16	-	0	2.68	-	-																																					
Carrigans	21-9	113	6.9	0.4																																																																



TABLE IV

—SUMMARY OF OBSERVATIONS AT FIXED HOURS MARCH,

1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Okta)					VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION																																													
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-4	5-7	8	9	0-39 m.	40-100 m.	200-300 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																															
																									SPEED IN KNOTS																																											
																									0-10	11-20	21-30	31-40	41-50																																							
Number of Observations																																																																				
0 SCOTLAND, N.																																																																				
83	Lerwick [Zetland]	3	1018.3	-	1.5	0.9	5.7	83	6.6	0	3	3	17	0	0	0	0	0	0	1	1	10	13	6	1	10	11	8	1	1	2	1	8	3	5	4	6																															
		9	1018.5	+6.4	1.9	1.0	5.7	80	6.5	0	2	4	15	10	0	0	0	0	0	2	6	8	6	8	0	5	18	8	0	3	1	0	9	5	5	2	6																															
		15	1017.9	-	2.6	1.1	5.9	79	5.8	0	3	7	12	8	1	0	1	0	0	1	6	7	8	8	2	6	16	7	0	3	1	1	8	6	4	4	4																															
		21	1018.2	-	1.4	0.8	5.8	84	5.7	0	6	5	8	12	0	0	0	0	0	1	6	8	10	6	0	9	13	8	1	6	1	2	7	6	3	2	3																															
26	Kirkwall [Orkney]	3	1017.8	-	2.2	0.9	6.0	83	5.7	0	7	4	8	12	0	0	0	0	0	0	6	10	14	1	1	11	11	6	2	3	1	7	4	4	4	2	2																															
		9	1018.0	+5.7	2.9	1.1	6.2	82	6.0	0	5	4	13	9	0	0	0	0	0	1	6	6	13	5	0	12	11	7	1	4	1	6	5	6	3	2	3																															
		15	1017.6	-	4.1	1.6	6.2	75	6.1	0	4	3	15	9	0	0	0	0	0	0	7	4	13	7	1	9	16	5	0	4	1	7	4	6	1	4	4																															
		21	1017.9	-	2.2	0.9	6.1	85	5.2	1	7	4	9	10	0	0	0	0	0	0	7	10	8	6	0	11	13	6	1	4	1	6	4	5	2	4	4																															
37	Wick [Caithness]	3	1017.6	-	1.4	0.8	5.8	84	5.5	1	6	3	11	10	0	0	0	0	0	0	7	9	6	9	0	8	9	13	1	1	0	1	7	8	3	6	4																															
		9	1017.6	+5.2	3.0	1.0	6.3	82	6.1	0	4	4	14	9	0	0	0	0	0	0	8	10	8	5	0	8	12	11	0	2	1	3	8	7	2	3	5																															
		15	1017.1	-	4.3	1.7	6.1	73	5.9	0	4	4	17	6	0	0	0	0	0	0	5	6	12	8	1	7	14	9	0	5	0	1	11	7	0	3	4																															
		21	1017.5	-	2.0	0.9	6.0	84	5.3	0	9	4	8	10	0	0	0	0	0	0	8	6	11	6	0	10	6	14	1	2	0	1	8	7	1	8	3																															
113	Cape Wrath* [Sutherland]	3	1016.0	-	2.9	0.8	6.5	85	5.1	0	10	3	8	10	0	0	0	0	0	0	2	2	6	21	6	4	5	12	4	3	2	11	2	0	7	2	0																															
		9	1016.2	-	3.2	0.8	6.7	87	6.5	0	1	7	15	1	1	0	0	0	0	0	2	2	14	12	5	4	8	13	1	2	4	8	4	1	9	1	1																															
		15	1016.1	-	4.0	1.0	6.8	83	5.7	0	2	10	16	3	0	0	0	0	0	0	2	2	9	18	6	2	10	11	2	3	10	3	0	7	3	1																																
		21	1016.0	-	3.2	0.7	6.7	87	5.2	0	6	9	8	10	0	0	0	0	0	0	2	2	6	21	5	4	7	14	1	1	3	12	1	1	7	3	2																															
5	Stornaway [Ross & Cromarty]	3	1016.6	-	2.4	0.7	6.5	88	4.5	7	4	4	9	7	0	0	0	0	0	0	3	9	11	8	0	5	8	13	5	1	1	6	6	2	5	3	2																															
		9	1016.7	+4.8	4.2	0.9	7.1	85	5.2	0	8	4	13	6	0	0	0	0	0	0	3	8	13	7	0	5	9	14	3	2	1	4	10	0	3	5	3																															
		15	1016.9	-	6.3	2.1	6.7	69	4.8	0	8	9	10	4	0	0	0	0	0	0	6	13	12	0	6	13	12	0	3	5	3	8	4	2	3	3	1																															
		21	1016.9	-	2.9	0.8	6.5	85	4.0	8	4	8	2	9	0	0	0	0	0	0	2	9	12	8	0	3	12	12	4	4	2	5	6	1	3	5	1																															
7	Benbecula [Inverness]	3	1016.3	-	2.9	0.8	6.6	85	5.2	3	3	8	11	6	0	0	0	0	0	0	3	9	11	8	0	0	10	16	5	3	0	8	6	4	2	2	1																															
		9	1016.5	+4.7	4.4	1.2	6.8	81	5.8	0	4	6	16	5	0	0	0	0	0	0	2	7	9	13	0	0	16	14	1	1	3	8	7	3	4	3	1																															
		15	1016.1	-	6.7	2.2	6.8	68	5.5	0	5	7	16	3	0	0	0	0	0	0	2	7	5	17	0	0	15	16	0	3	3	6	6	2	5	4	2																															
		21	1016.5	-	3.3	1.0	6.5	84	4.4	1	8	9	12	1	0	0	0	0	0	0	2	8	11	10	0	0	16	16	5	4	3	7	3	3	2	4	0																															
1	Kinloss [Moray]	3	1017.8	-	1.1	0.9	5.5	82	6.2	2	3	4	8	14	0	0	0	0	0	0	5	9	8	9	0	2	9	19	1	0	0	8	4	1	8	8	1																															
		9	1017.8	+5.3	2.5	1.3	5.8	78	6.1	0	5	3	15	8	0	0	0	0	0	0	6	6	12	7	0	1	12	15	3	3	0	9	2	3	4	6	1																															
		15	1017.0	-	5.3	2.3	5.9	66	5.8	1	3	7	16	4	0	0	0	0	0	1	6	5	10	9	0	4	13	13	1	6	2	6	6	2	1	5	2																															
		21	1017.7	-	2.4	1.3	5.7	77	5.0	2	5	8	9	7	0	0	0	0	0	1	6	9	9	6	0	2	10	17	2	1	1	9	3	4	5	5	1																															
59	Dyce [Aberdeen]	3	1018.3	-	0.8	0.7	5.6	86	6.2	3	3	1	4	20	0	0	0	0	0	0	3	14	10	3	1	0	4	8	10	9	1	0	4	7	1	3	2	4																														
		9	1018.3	+4.7	2.0	1.2	5.6	79	6.4	0	4	3	9	15	0	0	0	0	0	1	7	12	7	3	1	0	2	11	11	7	1	0	7	5	2	2	3	4																														
		15	1017.5	-	4.1	1.6	6.0	74	6.2	0	3	6	8	14	0	0	0	0	0	0	7	5	11	6	2	0	6	13	11	1	4	1	5	8	5	1	3	3																														
		21	1018.2	-	1.6	0.9	5.7	83	5.8	2	5	3	6	15	0	0	0	0	0	0	2	17	7	5	0	0	4	8	11	8	2	0	4	6	2	1	4	4																														
22	Fraserburgh [Aberdeen]	3	1018.3	-	2.5	0.8	6.3	85	6.1	1	2	7	5	16	0	0	0	0	0	0	2	8	12	9	0	2	3	8	15	3	4	0	0	9	4	3	6	2																														
		9	1018.3	-	3.0	1.0	6.4	83	6.3	0	2	7	9	13	0	0	0	0	0	0	2	7	9	13	0	1	7	6	13	4	4	0	1	8	5	0	8	1																														
		15	1017.7	-	4.1	1.2	6.6	80	5.9	0	5	5	9	12	0	0	0	0	0	1	8	7	12	3	2	4	6	16	3	6	0	6	6	5	0	5	0																															
		21	1018.2	-	3.0	0.9	6.3	83	6.1	0	3	8	5	15	0	0	0	0	0	0	2	6	11	12	0	1	6	4	19	1	6	1	2	5	8	1	6	1																														
35	Usan [Angus]	3	1017.9	-	1.9	0.5	6.4	90	6.6	1	4	0	6	20	0	0	0	0	0	0	4	7	7	4	9	0	4	9	17	1	3	1	4	8	2	2	5	5																														
		9	1017.8	-	2.6	0.7	6.5	87	6.5	0	3	4	8	16	0	0	0	0	0	0	10																																															



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS MARCH, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Okta)					VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION															
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-10 m.	10-100 m.	200-300 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
																									SPEED IN KNOTS													
																									0 or more	1-2	3-5	6-8	9									
Number of Observations																																						
6a. SCOTLAND, W. - contd.																																						
Lowther Hill [Lanark]																																						
3	1016.8	-	0.3	0.7	5.4	85	5.2	5	5	2	6	13	0	0	0	0	0	0	0	0	11	14	6	0	0	0	0	10	14	7	0	5	13	1	1	3	1	0
9	1016.5	+2.2	2.3	1.2	5.8	79	6.1	2	2	5	10	12	0	0	0	0	0	1	5	12	9	3	1	0	1	11	16	3	0	2	17	5	1	1	2	0		
15	1015.7	-	5.8	2.3	6.1	86	6.0	0	6	3	10	12	0	0	0	0	0	0	2	12	12	4	1	0	2	12	17	0	0	2	18	2	1	0	5	3		
21	1016.4	-	1.7	0.9	5.8	83	4.8	5	4	5	7	10	0	0	0	0	0	0	2	11	13	5	0	0	0	9	18	4	2	4	15	1	1	0	2	2		
Eskdalmuir [Dumfries]																																						
237	3	1017.4	-	0.5	0.7	5.1	85	6.2	2	4	1	6	17	1	0	0	0	2	4	7	9	5	4	0	0	0	9	16	6	5	6	10	0	0	3	1	0	
9	1017.2	+2.9	0.5	1.0	5.2	81	7.1	1	1	1	9	19	0	0	0	0	1	4	4	6	13	2	1	0	0	9	19	3	4	10	10	1	0	2	1	0		
15	1016.3	-	3.2	1.8	5.4	71	6.5	1	3	2	8	17	0	0	0	0	1	3	3	8	7	5	4	0	3	10	15	3	2	11	9	1	0	2	3	0		
21	1017.4	-	0.1	0.6	5.2	84	5.6	1	5	6	4	15	0	0	0	0	0	5	6	8	2	3	7	2	0	2	6	17	8	4	9	8	0	2	0	2	0	
Mull of Galloway [Wigtown]																																						
79	3	1015.5	-	2.5	0.6	6.5	88	4.9	12	0	0	1	17	1	0	1	0	0	0	0	2	10	16	2	1	7	17	6	0	6	8	16	2	1	2	1	0	
9	1015.2	-	2.8	0.7	6.5	87	5.7	5	2	3	5	16	0	0	0	0	0	0	0	4	11	14	2	2	8	16	5	0	5	3	16	3	0	2	2	0		
15	1014.9	-	4.6	1.2	6.9	81	5.9	4	2	2	8	15	0	0	0	0	0	0	0	1	17	11	2	3	8	12	8	0	3	3	17	1	2	2	1	2		
21	1015.4	-	3.1	0.7	6.7	87	5.3	6	3	3	4	15	0	0	0	0	0	0	0	4	11	15	1	3	7	16	5	0	4	2	16	2	0	2	3	2		
6b. ISLE OF MAN																																						
Ronaldsway																																						
21	3	1014.8	-	2.5	0.7	6.4	86	5.8	2	5	3	4	17	0	0	0	0	1	5	8	12	4	1	1	5	10	15	0	7	3	17	1	0	1	2	0		
9	1014.8	-	3.6	1.1	6.5	82	6.1	0	6	2	11																											



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS

MARCH,

1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)					VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION																																												
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-39 m.	40-190 m.	200-390 m.	400-590 m.	1000-1900 m.	2000-3900 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																														
																									SPEED IN KNOTS																																										
																									8 or more	11-16	17-20	21-24	25-31																																						
Number of Observations																																																																			
3. ENGLAND, E.—contd.																																																																			
Mildenhall [Suffolk]	12	3	1014.5	-	1.7	0.6	6.2	89	6.0	5	1	3	1	21	0	0	0	0	1	6	5	10	9	0	0	0	0	5	23	3	5	5	10	1	1	5	0	1																													
	9	3	1014.5	-	2.9	0.9	6.5	85	6.9	0	3	1	8	19	0	0	0	0	0	3	7	16	5	0	0	0	0	11	19	1	3	9	11	1	1	4	0	1																													
	15	3	1013.8	-	5.9	2.0	6.7	71	6.7	1	0	6	7	17	0	0	0	0	0	1	5	11	9	5	0	0	1	10	20	0	2	11	10	0	3	2	1	2																													
	21	3	1014.6	-	3.0	1.0	6.4	84	6.5	2	2	3	4	20	0	0	0	0	1	1	9	12	6	2	0	0	0	6	22	3	5	7	9	2	1	3	1	0																													
Wattisham [Suffolk]	91	3	1014.2	-	1.3	0.5	6.2	91	6.5	3	2	3	0	21	2	0	3	0	3	3	7	10	4	1	0	0	0	10	21	0	6	12	5	1	0	4	2	1																													
	9	3	1014.1	-	2.3	0.5	6.6	89	6.8	1	1	4	5	19	1	0	2	0	4	1	11	8	5	0	0	0	0	13	18	0	6	11	9	0	0	3	2	0																													
	15	3	1013.5	-	5.0	1.6	6.7	76	6.7	1	2	3	7	17	1	0	0	1	3	2	7	6	8	3	1	0	1	15	15	0	4	15	6	0	2	0	3	1																													
	21	3	1014.2	-	2.4	0.7	6.4	87	6.2	3	3	2	5	18	0	0	0	0	3	3	7	9	2	0	0	0	0	11	20	0	5	9	10	0	2	1	4	0																													
Aldeburgh [Suffolk]	9	3	1014.1	-	-	-	-	-	5.7	7	0	2	3	19	0	0	1	0	1	0	4	15	10	0	0	0	7	7	16	1	7	6	10	1	0	0	4	2																													
	9	3	1014.1	-	-	-	-	-	6.7	2	1	3	4	20	1	0	1	1	0	4	4	16	5	0	0	0	6	13	12	0	6	9	11	0	1	3	1	0																													
	15	3	1013.6	-	-	-	-	-	6.4	2	3	4	1	21	0	0	0	0	1	5	5	13	7	0	0	0	6	18	7	0	6	9	10	0	2	2	1	1																													
	21	3	1013.9	-	-	-	-	-	5.9	8	0	0	1	22	0	0	0	0	0	4	0	19	8	0	0	0	9	9	12	1	5	11	8	0	1	2	2	1																													
Wyton [Hunts]	43	3	1014.3	-	1.4	0.4	6.3	92	6.4	4	2	0	4	21	0	0	0	1	3	2	7	9	9	0	0	0	0	6	23	2	9	4	8	0	2	4	1	1																													
	9	3	1014.4	-	2.4	0.6	6.5	88	6.8	1	2	2	8	18	0	0	1	0	1	6	8	11	4	0	0	0	0	10	20	1	5	12	7	0	0	4	1	1																													
	15	3	1013.7	-	5.5	1.7	6.8	75	7.0	1	1	2	7	20	0	0	0	0	1	5	6	10	3	0	0	0	0	15	16	0	7	9	9	0	2	2	0	0																													
	21	3	1014.5	-	2.7	0.8	6.4	86	6.4	3	2	2	4	20	0	0	0	0	2	6	6	10	7	0	0	0	0	6	22	3	6	11	6	1	0	1	3	0																													
Cardington [Bedford]	29	3	1014.2	-	1.5	0.3	6.5	94	6.0	5	1	3	3	19	0	0	0	0	1	6	10	7	6	1	0	0	0	5	24	2	5	15	2	0	1	5	1	0																													
	9	3	1014.3	-1.3	2.6	0.4	6.9	92	6.6	0	5	0	7	19	0	0	0	1	6	6	11	6	0	0	0	0	0	7	24	0	5	12	7	0	0	4	2	1																													
	15	3	1013.5	-	5.9	1.7	7.0	76	6.6	2	2	2	6	19	0	0	0	0	4	4	11	11	1	0	0	1	12	16	2	9	10	5	0	1	2	1	1																														
	21	3	1014.2	-	2.6	0.5	6.8	91	6.1	3	3	1	8	16	0	0	0	0	2	4	3	14	7	1	0	0	0	5	25	1	7	8	7	0	2	2	4	0																													
Stansted [Essex]	102	3	1014.0	-	1.5	0.3	6.4	93	6.4	4	2	0	3	20	2	0	1	1	1	3	11	7	7	0	0	0	0	6	22	3	8	4	10	1	0	5	0	0																													
	9	3	1014.1	-	2.5	0.6	6.7	90	6.6	0	5	2	3	17	4	0	1	0	6	3	8	8	5	0	0	0	0	12	17	2	6	10	7	1	0	5	0	0																													
	15	3	1013.3	-	5.4	1.6	6.8	76	6.4	2	2	3	8	15	1	0	0	0	5	1	6	6	10	3	0	0	0	0	17	14	0	4	9	10	0	2	0	4	2																												
	21	3	1014.1	-	2.7	0.7	6.6	87	6.1	2	4	3	2	19	1	0	0	0	1	7	3	13	6	1	0	0	0	12	16	3	5	6	10	1	1	2	3	0																													
Shoeburyness [Essex]	5	3	1013.3	-2.8	3.7	0.8	7.0	86	6.7	1	3	0	8	17	2	0	2	1	2	3	10	11	2	0	0	0	0	18	11	2	11	6	7	0	0	4	1	0																													
	15	3	1012.9	-	5.6	1.4	7.2	79	6.4	2	2	3	5	19	0	0	0	0	5	2	6	11	6	1	0	0	0	17	14	0	5	12	8	1	0	2	3	0																													
	21	3	1013.5	-	3.6	0.8	6.9	86	5.9	5	3	0	5	18	0	0	0	1	2	6	4	9	7	2	0	0	0	15	15	1	7	10	7	0	1	2	3	0																													
	8	3	1013.8	-	2.9	0.6	6.7	88	5.8	4	3	4	1	18	1	0	1	0	3	4	6	16	1	0	0	0	0	6	9	14	2	5	7	11	1	0	1	4	0																												
Walton-on-Naze [Essex]	9	3	1014.1	-	3.6	0.8	6.9	87	7.0	0	1	4	7	17	2	0	0	1	4	3	7	13	3	0	0	0	0	2	14	1	4	8	12	0	0	2	3	1																													
	15	3	1013.5	-	4.9	1.2	7.2	82	6.5	1	3	4	3	20	0	0	1	0	2	3	6	16	3	0	0	0	0	1	19	11	0	0	11	14	1	1	2	2	0																												
	21	3	1014.0	-	3.8	0.9	6.9	86	5.7	3	4	4	3	17	0	0	0	0	2	4	3	16	6	0	0	0	0	0	15	15	1	3	8	13	0	1	2	3	0																												
4. MIDLAND COUNTIES																																																																			
Huddersfield Oakes [Yorks. W.R.]	234	3	1015.0	-0.3	0.4	5.5	92	6.8	4	0	1	1	23	2	1	5	3	1	2	1	16	0	2	0	0	0	0	6	23	2	4	7	9	1	1	0	4	3																													
	9	3	1015.3	-	0.9	0.5	5.9	90	6.7	1	3	1	6	18	2	1	0	3	5	7	3	11	1	0	0	0	0	7	22	2	1	10	10	1	0	0	7	0																													
	15	3	1014.7	-	2.8	1.2	5.9	81	6.6	3	0	3	4	20	1	2	2	0	2	2	6	12	4	1	0	0	0	8	22	1	1	8	12	1	0	1	4	3																													
	21	3	1015.3	-	0.8	0.6	5.8	89	6.7	4	0	0	5	20	2	3	1	2	1	1	6	11	4	2	0	0	0	5	22	4	5	9	7	1	0	0	4	1																													
Watnall [Nottingham]	119	3	1015.0	-	1.0	0.4	6.1	92	6.3	4	0	0	1	22	1	0	0	3	0	7	5	9	4	3	0	0	0	13	17	1	4	15	4	0	0	2	3	2																													
	9	3	1015.1	-0.3	2.1	0.7	6.4	88	6.7	3</																																																									



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS MARCH, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION																																											
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-3	3-5	6-7	8	9	0-10 m.	10-100 m.	200-300 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-30 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																														
																									SPEED IN KNOTS																																										
																									3-4	5-6	7-8	9-10	11-12																																						
																									14-16	17-19	20-22	23-25	26-28																																						
Number of Observations																																																																			
4. MIDLAND COUNTIES — contd.																																																																			
Little Rissington [Gloucester]																																																																			
229	3	1014.0	-1.3	0.6	6.1	90	6.1	5	2	1	0	15	8	0	5	3	3	2	3	9	5	1	0	0	0	0	12	17	2	4	12	6	0	1	5	1	0																														
	9	1014.2	-1.3	1.8	0.6	6.4	90	6.6	0	5	1	4	15	6	0	4	2	1	4	6	9	5	0	0	0	2	15	12	2	5	11	7	1	0	2	2	1																														
	15	1013.1	-4.9	1.7	6.5	76	6.5	2	2	3	6	15	3	0	3	1	1	3	2	13	7	1	0	0	4	14	12	1	3	11	10	1	0	2	3	0																															
	21	1014.1	-2.5	0.9	6.2	84	6.2	4	2	2	3	15	5	0	6	0	1	0	3	12	5	3	1	0	1	12	17	1	2	10	10	1	1	1	3	2																															
5. ENGLAND, S.E.																																																																			
Heathrow [Greater London]																																																																			
26	3	1013.4	-2.8	0.6	6.8	89	6.2	4	2	2	2	20	1	0	0	1	1	3	12	10	4	0	0	0	0	11	19	1	7	11	5	1	1	3	1	1																															
	9	1013.6	-3.6	1.0	6.8	83	6.4	2	4	0	7	18	0	0	2	0	1	3	13	8	4	0	0	0	0	14	15	2	7	12	5	0	1	4	0	0																															
	15	1012.8	-7.1	2.2	7.0	69	6.4	1	5	1	6	18	0	0	0	1	3	12	6	8	1	0	0	0	1	17	13	0	6	7	12	0	2	0	4	0																															
	21	1013.6	-4.4	1.1	7.0	81	6.4	4	2	1	2	21	1	0	0	0	2	2	11	11	5	0	0	0	0	15	14	2	5	8	10	1	1	0	4	0																															
Kew [Greater London]																																																																			
10	9	1013.8	-2.1	3.7	1.0	6.9	6.9	1	3	0	5	19	3	1	2	1	2	3	11	9	2	0	0	0	0	14	17	0	1	11	11	0	1	3	4	0																															
	15	1013.0	-7.1	2.5	7.0	69	6.3	2	3	3	4	19	0	0	0	0	3	2	11	8	5	2	0	0	0	17	14	0	1	8	16	0	0	2	4	0																															
	21	1013.8	-4.4	1.3	6.9	81	6.2	4	2	1	6	17	1	0	0	2	1	2	11	8	7	0	0	0	0	15	14	2	0	9	13	1	1	1	2	2																															
Gatwick [Surrey]																																																																			
59	3	1013.1	-2.4	0.5	6.8	90	6.7	2	1	4	4	17	3	1	1	1	5	10	11	1	0	0	0	0	0	3	24	4	7	9	5	1	0	3	0	2																															
	9	1013.5	-3.2	0.6	7.0	88	7.0	1	1	2	5	19	3	0	3	1	3	12	9	0	0	0	0	0	0	5	24	2	6	15	3	0	0	2	2	1																															
	15	1012.7	-7.2	1.9	7.5	72	6.5	2	2	3	8	16	0	0	0	0	4	7	15	5	0	0	0	0	0	10	21	0	7	11	4	1	1	5	1	1																															
	21	1013.5	-4.1	0.8	7.2	86	6.4	3	3	0	5	19	1	0	0	0	1	6	12	10	1	1	0	0	0	7	23	1	3	13	8	0	1	3	1	1																															
Dungeness [Kent]																																																																			
7	3	1012.5	-4.2	0.7	7.4	88	5.4	8	2	0	2	18	1	0	0	1	1	3	5	15	5	1	0	0	0	5	13	0	8	2	14	0	3	0	4	0																															
	9	1012.8	-4.5	0.7	7.5	87	5.6	2	2	2	5	17	3	0	0	1	3	3	6	14	4	0	0	0	0	5	14	0	9	2	14	0	1	2	3	0																															
	15	1012.3	-6.4	1.3	7.8	80	6.0	3	3	2	6	16	1	0	0	1	0	3	5	16	5	1	0	1	9	12	9	0	6	7	10	1	2	2	3	0																															
	21	1012.8	-5.0	0.8	7.7	87	5.8	7	0	2	3	18	1	0	1	0	1	5	18	4	2	0	0	0	3	19	9	0	4	7	13	0	2	2	3	0																															
Deal [Kent]																																																																			
10	3	1012.6	-4.1	0.5	7.6	92	5.6	5	4	2	0	19	1	0	1	0	0	8	4	9	8	1	0	0	0	3	14	13	1	6	3	11	1	1	1	5	2																														
	9	1012.7	-4.5	0.7	7.5	88	5.5	2	2	3	5	16	3	0	3	0	4	5	5	12	2	0	0	0	0	3	18	8	2	6	6	9	1	0	4	2	1																														
	15	1012.4	-5.8	0.8	8.2	88	6.1	2	4	2	5	17	1	0	0	0	4	5	6	13	3	0	0	0	0	4	17	10	0	7	10	7	1	0	3	3	0																														
	21	1012.7	-4.9	0.8	7.6	87	5.7	5	2	4	4	15	1	0	1	0	2	3	4	12	8	1	0	0	0	5	15	10	1	6	7	11	0	1	3	2	0																														
Manston [Kent]																																																																			
15	3	1013.3	-3.2	0.5	7.1	90	5.8	6	2	0	6	16	1	0	2	0	1	6	5	8	4	5	0	0	0	0	17	13	1	6	6	10	2	0	3	2	1																														
	9	1013.4	-4.3	0.7	7.5	88	6.8	0	3	3	5	18	2	0	2	1	2	6	4	10	4	2	0	0	0	1	20	10	0	7	7	9	1	0	4	2	1																														
	15	1013.0	-6.0	1.2	7.7	81	6.1	2	4	2	7	16	0	0	0	1	3	4	4	9	9	1	0	0	0	0	23	7	1	5	13	6	0	0	3	3	0																														
	21	1013.5	-4.0	0.8	7.2	88	6.2	2	4	2	4	7	16	0	0	0	1	2	6	4	9	3	6	0	0	0	20	10	1	6	7	10	1	1	3	2	0																														
Thorney Island [Sussex]																																																																			
4	3	1012.8	-3.4	0.6	7.2	89	5.7	5																																																											



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS

MARCH, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)					VISIBILITY (Metres and Kilometres)								WIND SPEED AND DIRECTION																																																		
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-10 m.	10-100 m.	200-300 m.	400-900 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																		
																									SPEED IN KNOTS																																														
																									8 or more	6-7	4-5	1-3	Calm																																										
																									34 or more	22-33	11-21	1-10	0																																										
Number of Observations																																																																							
Speke [Lancashire]																																																																							
26	3	1014.8	-	2.0	0.6	6.4	88	6.2	5	1	2	3	20	0	0	0	0	2	1	12	13	5	0	1	0	0	7	21	3	2	7	11	2	0	1	3	2	2																																	
	9	1014.8	-	2.9	0.9	6.5	84	6.3	0	5	2	10	14	0	0	0	1	0	1	12	13	4	0	0	0	1	8	20	2	2	8	11	2	2	0	0	2	2																																	
	15	1014.1	-	5.7	1.7	6.8	75	6.0	1	5	3	8	14	0	0	0	0	0	0	13	13	3	2	0	0	1	12	18	0	2	2	16	3	1	0	6	1	1																																	
	21	1015.0	-	2.9	0.7	6.6	86	6.2	3	4	0	6	18	0	0	0	0	3	15	11	2	0	0	0	0	0	9	20	2	4	2	16	2	0	1	3	1	1																																	
Ringway [Cheshire]																																																																							
76	3	1015.2	-	1.5	0.8	5.8	84	6.5	2	2	2	5	20	0	0	0	0	0	0	10	15	5	1	0	0	0	9	15	7	2	6	11	2	2	1	0	0	0																																	
	9	1015.1	+0.2	1.2	0.6	6.0	80	6.4	0	4	3	11	13	0	0	0	0	1	15	10	5	0	0	0	0	1	11	15	4	3	6	13	1	1	1	2	0	0																																	
	15	1014.3	-	5.1	2.2	5.9	67	6.4	1	3	3	8	16	0	0	0	0	0	0	12	16	3	0	0	0	2	13	15	1	1	6	15	0	1	2	3	2	2																																	
	21	1015.3	-	2.6	1.1	6.0	80	6.3	3	2	3	4	19	0	0	0	0	2	12	15	2	0	0	0	0	0	13	13	5	4	5	12	1	1	0	3	0	0																																	
7b. NORTH WALES																																																																							
Valley [Anglesey]																																																																							
11	3	1013.7	-	2.9	0.7	6.6	86	5.5	4	4	2	8	13	0	0	0	1	0	0	5	20	5	0	0	0	5	9	11	6	1	5	15	0	2	1	0	1	1																																	
	9	1013.8	-0.2	4.2	1.2	6.7	80	5.9	2	3	4	11	11	0	0	0	0	1	2	17	9	2	0	0	0	6	15	8	2	1	7	15	0	2	2	0	2	2																																	
	15	1013.3	-	6.8	2.0	7.1	71	5.5	2	6	3	10	10	0	0	0	0	0	0	2	16	11	2	0	0	5	16	10	0	2	7	13	0	1	2	4	2	2																																	
	21	1013.9	-	3.8	0.9	6.9	85	4.5	7	5	3	5	11	0	0	0	0	0	9	14	5	3	0	0	0	1	11	16	3	1	7	15	0	1	2	2	0	0																																	
Bardsey Island [Caernarvon]																																																																							
19	3	1013.3	-	4.5	0.7	7.5	88	5.7	5	1	5	4	16	0	0	0	0	1	0	10	18	2	0	0	0	4	16	9	2	2	6	14	2	0	3	1	1	1																																	
	9	1013.4	-	4.8	0.9	7.5	86	6.4	0	1	7	11	12	0	0	0	0	0	0	7	20	4	0	0	0	7	11	10	3	2	7	10	3	1	2	2	1	1																																	
	15	1013.0	-	6.5	1.3	7.9	81	6.2	1	2	4	12	12	0	0	0	0	0	0	6	20	5	0	0	0	3	12	13	3	4	4	14	1	0	2	2	1	1																																	
	21	1013.4	-	5.2	1.0	7.6	86	5.2	6	1	7	3	14	0	0	0	0	0	0	10	19	2	0	0	0	6	12	13	0	4	7	14	0	2	1	3	0	0																																	
8a. SOUTH WALES																																																																							
Aberporth [Cardigan]																																																																							
134	3	1013.0	-	3.3	1.0	6.5	82	5.4	4	6	1	3	16	1	0	0	1	1	1	0	18	9	1	0	0	0	15	13	3	1	3	11	3	6	2	2	0	0																																	
	9	1013.2	-1.1	4.0	1.4	6.4	76	5.6	2	4	4	10	11	0	0	0	0	0	0	16	12	3	0	0	0	2	12	15	2	2	7	7	6	3	2	1	1	1																																	
	15	1012.6	-	6.5	2.0	7.0	72	5.5	3	4	4	10	10	0	0	0	0	0	0	17	11	3	0	0	0	1	19	10	1	6	7	6	3	2	0	6	0	0																																	
	21	1013.2	-	4.4	1.3	6.7	79	5.0	4	4	8	4	11	0	0	0	0	0	0	1	21	7	2	0	0	0	17	13	1	5	4	10	3	3	2	3	0	0																																	
Milford Haven C.B. [Pembroke]																																																																							
39	3	1013.1	-	4.1	1.0	7.0	83	5.8	6	0	2	7	14	2	0	1	0	1	0	0	29	0	0	0	0	2	10	15	4	2	6	14	1	0	0	2	2	2																																	
	9	1013.2	-	4.5	1.1	7.0	81	5.8	5	1	3	7	15	0	0	0	0	1	2	27	1	0	0	0	0	1	11	16	3	1	10	12	1	0	1	1	2	2																																	
	15	1012.7	-	7.5	2.2	7.2	70	6.0	3	1	5	10	12	0	0	0	0	0	2	25	4	0	0	0	0	1	15	13	2	2	5	11	4	1	1	3	2	2																																	
	21	1013.1	-	5.3	1.3	7.2	80	4.9	10	1	1	4	15	0	0	0	0	0	0	1	28	2	0	0	0	0	1	10	14	6	5	6	8	0	1	3	2	2																																	
Mumbles [Glamorgan]																																																																							
37	3	1012.7	-	4.1	1.0	6.9	83	5.7	8	0	1	3	18	1	0	0	1	0	0	0	20	10	0	0	0	4	15	11	1	4	6	14	1	0	2	2	1	1																																	
	9	1012.9	-	4.4	1.0	7.0	82	5.9	3	2	5	5	15	1	0	0	1	0	0	6	21	3	0	0	0	2	17	11	1	5	7	14	1	0	1	2	0	0																																	
	15	1012.2	-	6.7	1.6	7.5	76	5.6	4	2	5	6	14	0																																																									



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS MARCH, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)							VISIBILITY (Metres and Kilometres)							WIND SPEED AND DIRECTION																				
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
																									4 or more	6, 7	4, 5	1-3	Calm													
																																						SPEED IN KNOTS				
																																						22-33	11-21	1-10	0	
Number of Observations																																										
9 NORTHERN IRELAND — contd.																																										
Aldergrove [Antrim]																																										
73	3	1015.1	-	1.8	0.7	6.2	87	5.5	3	5	3	5	15	0	0	0	0	0	1	6	18	5	1	0	0	0	10	19	2	1	2	15	7	2	1	0	0					
	9	1015.3	+1.7	2.5	0.9	6.2	84	5.9	1	4	6	6	14	0	0	0	0	1	2	7	10	8	3	0	0	1	12	17	1	1	2	19	3	1	2	0						
	15	1014.7	-	5.6	1.6	6.9	76	6.4	0	4	2	11	14	0	0	0	0	3	2	11	10	4	1	0	0	0	14	17	0	2	3	16	2	0	0	6						
	21	1015.2	-	3.1	0.8	6.6	85	5.6	3	5	3	6	14	0	0	0	0	1	5	14	9	2	0	0	0	0	9	21	1	3	1	15	4	2	1	3	1					
CHANNEL ISLANDS																																										
Guernsey																																										
110	3	1012.0	-	5.9	0.9	8.2	86	5.9	5	1	2	8	15	0	0	0	0	4	6	13	5	3	0	0	0	12	19	0	4	6	9	2	2	3	2	3						
	9	1012.5	-	6.2	0.9	8.4	86	6.1	2	3	3	10	13	0	0	0	1	1	2	4	16	6	1	0	0	1	25	5	0	4	8	7	2	3	2	1						
	15	1011.8	-	7.6	1.3	8.7	82	6.2	2	3	2	14	10	0	0	0	0	1	1	1	16	8	3	1	0	0	4	17	10	0	1	12	5	5	1	4	1					
	21	1012.1	-	6.3	1.0	8.2	83	5.9	2	3	4	8	14	0	0	0	1	2	2	4	10	5	7	0	0	0	19	11	1	0	10	7	4	3	3	0						

TABLE VIII—NUMBER OF DAYS IN MARCH, 1969  
WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION		MAXIMUM TEMPERATURE °C.							MINIMUM TEMPERATURE °C.							STATION		MAXIMUM TEMPERATURE °C.							MINIMUM TEMPERATURE °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	.. ..	2	18	11	0	0	0	0	0	0	0	3	13	15	0	0	0	Edgbaston	.. ..	0	15	11	5	0	0	0	0	0	0	0	0	13	16	2	0	0
Stornoway	.. ..	0	6	22	3	0	0	0	0	0	0	2	9	17	3	0	0	Kew	.. ..	0	9	12	10	0	0	0	0	0	0	0	3	4	21	3	0	0
Craibstone	.. ..	0	18	12	1	0	0	0	0	0	0	0	20	11	0	0	0	Hastings	.. ..	0	5	24	2	0	0	0	0	0	0	0	7	20	4	0	0	
Rothsay	.. ..	0	13	16	2	0	0	0	0	0	0	0	8	21	1	0	0	Southampton	.. ..	0	3	13	15	0	0	0	0	0	0	0	7	19	5	0	0	
Abbots inch	.. ..	0	14	15	2	0	0	0	0	0	0	4	11	15	1	0	0	Stonyhurst	.. ..	0	16	14	1	0	0	0	0	0	0	0	19	12	0	0	0	
Eskdalemuir	.. ..	2	22	6	1	0	0	0	0	0	0	7	17	7	0	0	0	Bidston	.. ..	0	16	13	2	0	0	0	0	0	0	9	20	2	0	0		
Douglas	.. ..	0	18	13	0	0	0	0	0	0	0	0	10	20	1	0	0	Valley	.. ..	0	3	23	5	0	0	0	0	0	0	7	20	4	0	0		
Acklington	.. ..	0	19	9	3	0	0	0	0	0	0	0	11	19	1	0	0	Falmouth	.. ..	0	4	18	9	0	0	0	0	0	0	5	12	14	0	0		
Gorleston	.. ..	0	20	8	3	0	0	0	0	0	0	0	1	29	1	0	0	Aldergrove	.. ..	0	12	17	2	0	0	0	0	0	0	1	11	18	1	0	0	
Cambridge	.. ..	0	11	16	4	0	0	0	0	0	0	1	10	19	1	0	0	Armagh	.. ..	0	10	15	6	0	0	0	0	0	0	2	11	15	3	0	0	

TABLE XIII—SOLAR RADIATION AND ILLUMINATION, MARCH, 1969

STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						DIFFUSE RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						TOTAL ILLUMINATION ON A HORIZONTAL SURFACE kilolux-hours					
	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days
Lerwick .. ..	379	25	34	1	183.2	31	224	4	33	1	110.4	31	366	25	34	1	182.5	31
Eskdalemuir .. ..	458	27	26	16	171.8	31	206	26	26	16	110.8	31	501	27	38	16	202.4	31
Cambridge .. ..	72	28	35	3	165.4	31	193	7	34	3	110.4	31	-	-	-	-	-	-
London W/Centre .. ..	475	28	26	12	151.4	31	189	27	25	12	92.3	31	534	28	35	12	175.6	31
Kew .. ..	463	28	32	1	151.7	31	194	27	31	1	97.4	31	529	28	42	1	179.6	31
Bracknell .. ..	463	28	42	16	167.3	31	192	27	42	16	100.3	31	571	28	61	16	211.7	31
Aberporth .. ..	440	28	65	16	252.0			29	64	6	137.0	31	-	-	-	-	-	-
Aldergrove .. ..																		
Jersey Airport .. ..	553	28	55	3	242.3	31	210	14	48	3	144.3	31	-	-	-	-	-	-



TABLE II—ADDITIONS JANUARY, 1969.

[illegible]

// Record not commenced

§ Incomplete record

TABLE III—ADDITIONS AND CORRECTIONS

[illegible]

### TABLE IV—ADDITIONS AND CORRECTIONS

[illegible]

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# Monthly Weather Report OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntary observers.



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## April 1969 — Sunny but cold

High pressure dominated the weather over the British Isles during the first week of the month and from the 17th to 19th. At other times low pressure over or near the British Isles resulted in changeable, occasionally stormy, conditions.

**Weather** — It was a very sunny month except in east Scotland and on the coasts of eastern England. However, despite the sunshine, it was also a rather cold month. A mainly dry first week included Easter (4th-7th) when it was fine in most places except in coastal areas of east Scotland and north-east England. The four days of Easter were reported to be the sunniest in Manchester since at least 1902 while in the south some areas had their second sunniest Easter this century. Farmers in south-west Scotland said that the cold dry weather of the last few months had resulted in a shortage of grass which had adversely affected the lambing season. Water stocks in reservoirs in west Scotland were seriously depleted.

**Wind** — The frequency of gales was about average. They occurred locally on 10 days in the south and on 6 days in Scotland and were widespread on the 12th. Winds were strong on the south and east coasts of England on the 5th and 6th and reached gale force at times; on the 6th the cross-channel hover-craft service was halted. The period 9th-16th was stormy with squally west or south-west winds in all areas. On the 9th, a gust of 60 kt was recorded at Cairngorm (1090m), Inverness-shire, and on the 11th a gust of 61 kt occurred at the Forth Road Bridge. The 12th was very windy everywhere with gales in many areas; trees were blown down and minor damage to property was reported. On the same day, strong gusts were reported at places as far apart as Earls Hill, near Stirling (75 kt) and Yeovilton, Somerset (72 kt). Easterly gales occurred in Scotland on the 22nd and a gust of 52 kt was reported at Wick. Gales also occurred on the 25th and 26th in south-east England and East Anglia and a gust of 53 kt was reported at Eastbourne on the 26th.

**Temperature** — April was colder than the normal in most areas with the exception of a few places in Devon and Cornwall. Monthly mean temperature was generally about 1 deg C below average but in some places in the south it was near normal. The first and third weeks were particularly cold in most districts. Minimum temperatures recorded included: -8.3°C at Moor House (Westmorland) on the 2nd; -7.8°C at Alwen (Denbighshire) on the 3rd and 20th; -7.8°C at Grantown-on-Spey (Nairnshire) on the 19th; -7.2°C at Murlough Forest (Co. Down) on the 20th.

There was a short mild spell at the beginning of the second week when most of the maxima for the month were recorded. These included: 23.9°C at Southend (Essex) on the 9th; 21.1°C at Kelso (Roxburghshire), Rhyl and Prestatyn (Flintshire) and 18.5°C at Alder-grove (Co. Antrim) all on the 8th.

**Rainfall** — It was drier than normal in west Scotland and in central and southern England. In a few areas in west Scotland less than half the average rainfall (including melted snow) was recorded and April was the sixth consecutive month with a rainfall deficit at many places in west Scotland. In the Thames estuary rainfall was less than a quarter of the normal. In sharp contrast, parts of east Scotland and most of northern England were wetter than average and nearly two and a half times the normal amount of rain fell in north Lincolnshire.

Most districts were dry until the 8th and there was also very little rainfall from the 17th to 20th. On the 14th, local flooding occurred in Lancashire and Cheshire following heavy rain; heavy falls were also recorded in west Scotland. All districts had changeable weather from the 21st to 28th with heavy rain at times. On the 21st over 51 mm were recorded at Glen Tanar, on Deeside, and more than 50 mm fell at Skerry Hill North in the Antrim Hills. Widespread rain-

fall continued during the next two days and daily falls in excess of 30 mm were recorded in many places. On the 24th and 25th further heavy rain occurred in most areas; 39 mm fell at Lake Vyrnwy (Montgomeryshire) on the 24th and there were heavy falls in Devon and Cornwall on the same day.

Thunder was heard on 14 days in England and Wales and on 6 days in Scotland. During the period 21st to 28th the rain was often thundery and thunderstorms accompanied by hail were reported in many places.

**Snow** — In some places in the Northern Isles and on high ground in Scotland, snow or sleet (rain or drizzle and snow) fell on eight or nine days during the month and wintry showers occurred widely in Scotland during the second week. However, snow was generally light and did not lie to any extent except on high ground. Sleet or snow showers occurred in East Anglia on the 18th and 19th.

**Sunshine** — Sunshine amounts exceeded normal nearly everywhere and many places had their sunniest April for over 15 years; sunshine was particularly abundant during the first week especially in the south. The exceptions were on the east coasts of England and Scotland and in the Northern Isles but, even so, monthly totals in these areas were mostly only slightly less than average. Excesses of over 50 hours occurred in some areas and Rothesay (Mull of Kintyre) recorded 146 per cent of average. Further south, 139 per cent of normal was recorded at Oxford where it was the sunniest April since 1914. At Ross-on-Wye it was the sunniest April since sunshine records began in 1915. At the other extreme, Kirkwall (Orkneys) recorded only 78 per cent of average.

**Fog** — Sea fog affected coasts in east Scotland and north-east England on the 7th and 8th and drifted well inland at times. On the 10th there was coastal fog in south and south-west England. Sea fog returned to the coasts on east Scotland and north-east England on the 22nd and persisted until the 24th.

**Miscellaneous Phenomena** — The aurora was observed on 11 nights in Scotland mainly during the third week.

TABLE I—DISTRICT VALUES, April 1969

DISTRICTS	AIR TEMPERATURE °C					EARTH TEMP. °C		RAIN DAYS	RAIN-FALL	SUN-SHINE
	•Highest Max.	•Lowest Min.	Max.	Min.	Mean	Mean 30 cm.	Mean 122 cm.			
	Difference from Average							% of Average		
0 SCOTLAND, N.	18.3	-3.3	-0.3	-1.2	-0.8	-0.6	-0.7	-1	90	107
1 SCOTLAND, E.	19.4	-2.8	-1.1	-1.1	-1.1	-1.1	-0.8	+1	108	103
2 ENGLAND, N.E.	19.4	-3.9	+1.3	-1.1	-1.2	-1.2	-1.4	+4	82	114
3 ENGLAND, E.	22.8	-3.3	-0.7	-1.2	-1.0	-0.9	-1.0	+1	77	122
4 MIDLANDS	21.1	-4.4	-0.5	-1.2	-1.0	-1.0	-1.0	-1	101	130
5 ENGLAND, S.E.	22.2	-5.6	-0.4	-1.1	-0.8	-0.7	-0.7	-3	46	119
6 SCOTLAND, W.	20.2	-5.5	-0.5	-1.3	-0.9	-0.9	-1.0	-3	66	125
7 ENGLAND, N.W. and N.Wales	20.5	-1.9	-0.7	-1.1	-1.0	-1.2	-0.8	-1	129	128
8 ENGLAND, S.W. and S.Wales	20.6	-3.9	-0.1	-0.9	-0.5	-0.9	-0.5	-2	90	123
N.IRELAND	18.5	-5.6	-0.1	-1.7	-0.9	-	-	(-3)	69	124
SCOTLAND	20.2	-5.5	-0.6	-1.2	-0.9	-	-	(-1)	73	113
ENG. and WALES	22.8	-5.6	-0.6	-1.1	-0.9	-	-	(0)	58	123

\*Highest Max. and Lowest Min. of the District Value Stations.

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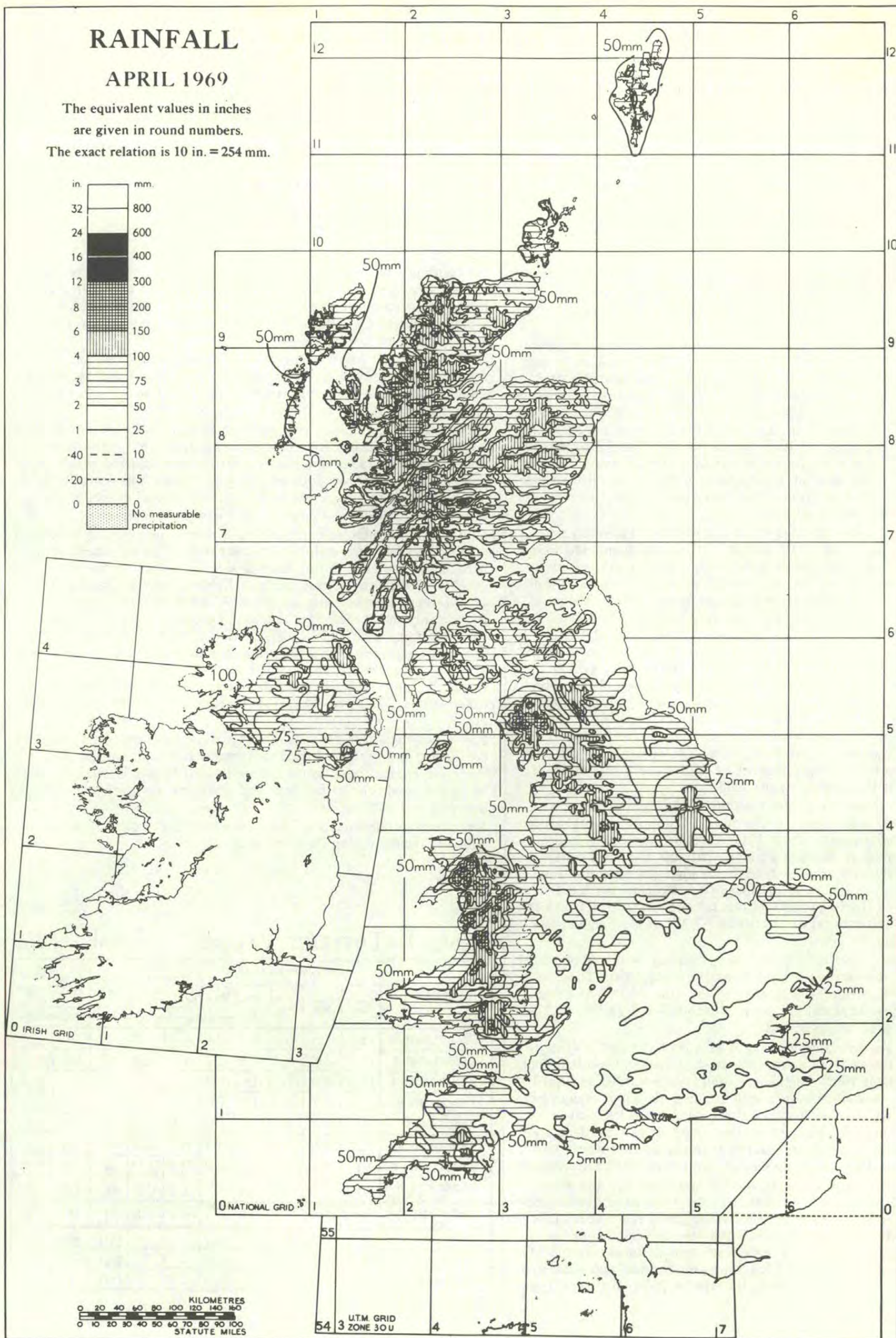
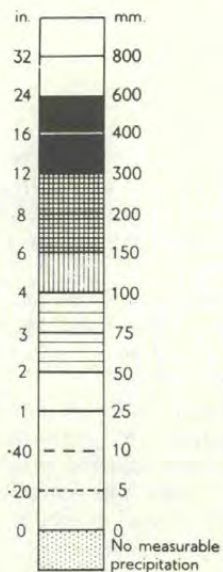


# RAINFALL

APRIL 1969

The equivalent values in inches  
are given in round numbers.

The exact relation is 10 in. = 254 mm.





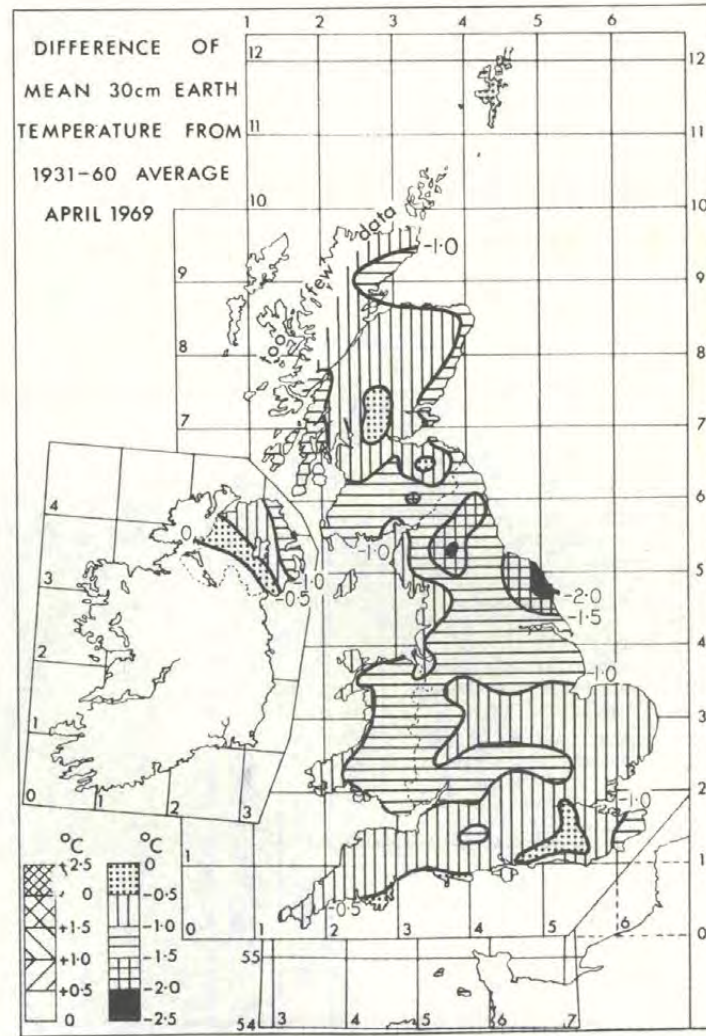
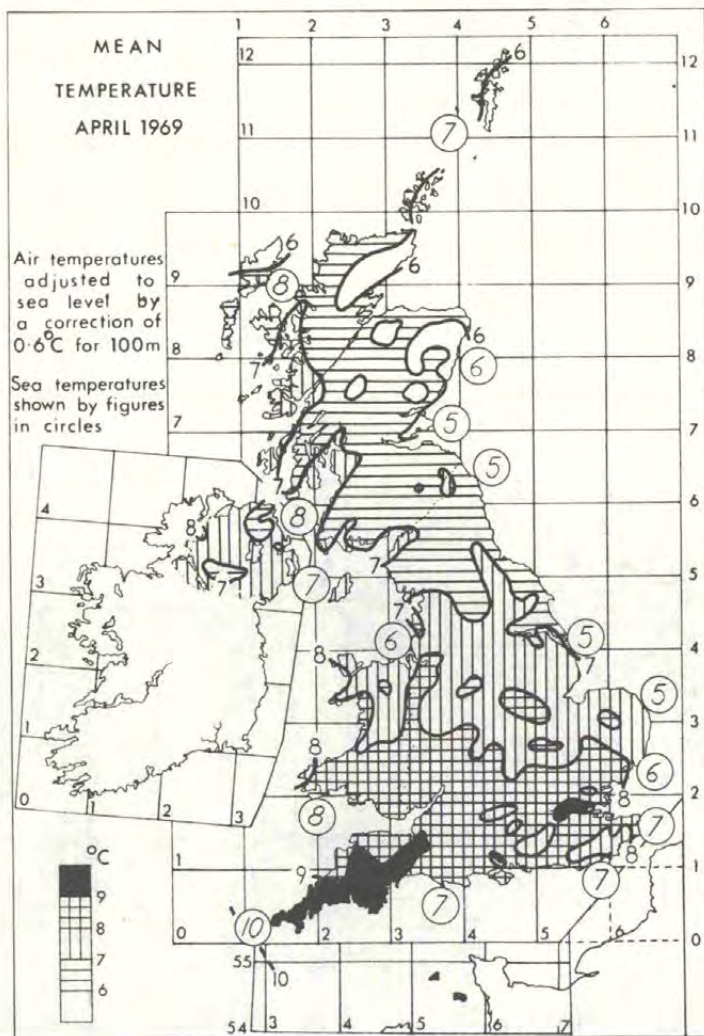
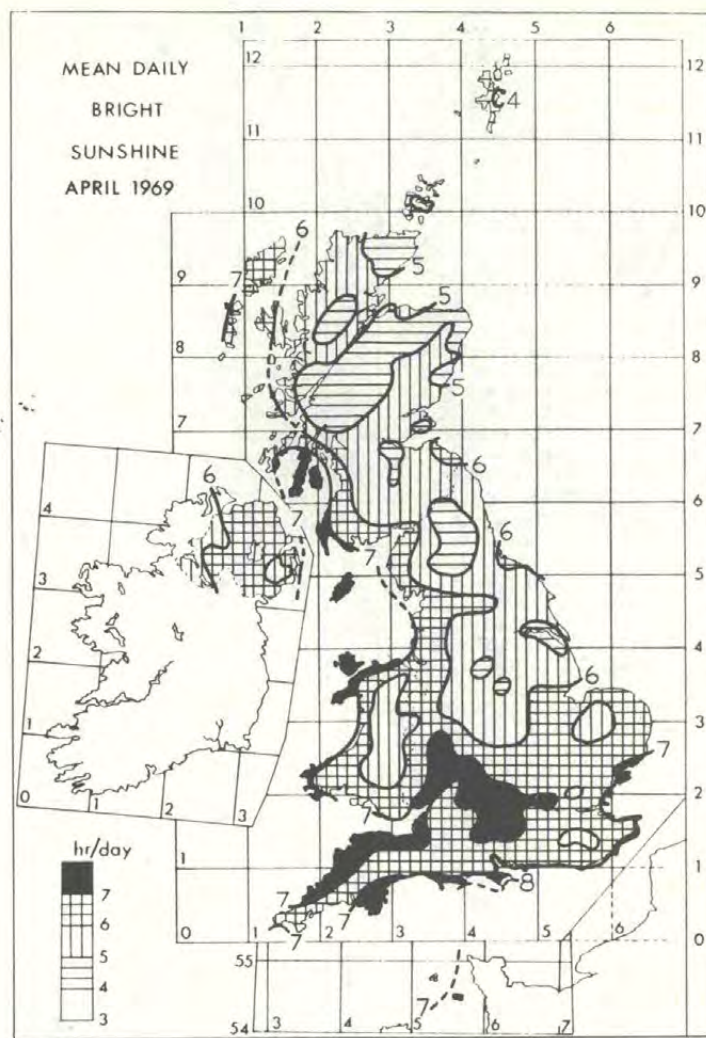
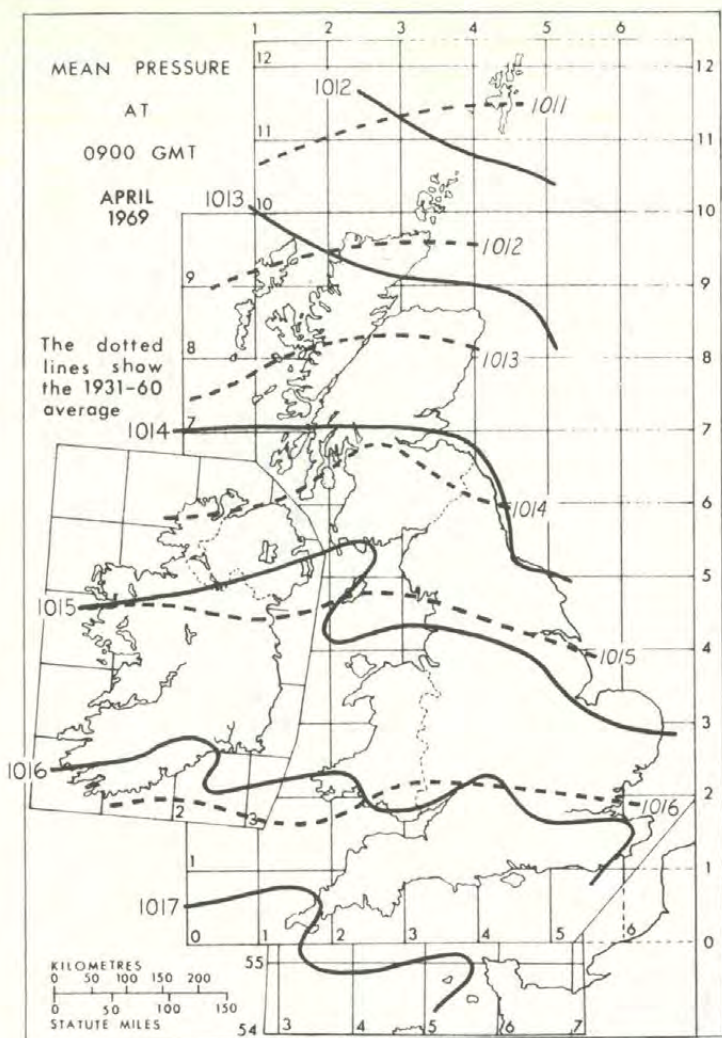




TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—

APRIL,

1969

DISTRICT COUNTY AND PLACE				HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
							Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours			Veer from N	Speed in knots	Hour ended at day hour	Veer from N		Speed in knots	Day and Time																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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TABLE II (continued)—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—

APRIL, 1969

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES		DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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† Anemograph dismantled for re-erection. \* Defective record.

† Record ceased.

‡ Incomplete record.

⊕ Anemograph out of order.

\*\* Record ceased temporarily.

TABLE III

—SUMMARY OF DAILY OBSERVATIONS

APRIL,

1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1916—50 average	Most in A DAY Amount (mm.)	Date	Precip'n		Snow or Sleet	Snow lying at 9hr.	Hall	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date	0.2 mm or more	1.0 mm or more																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS

APRIL,

1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE				
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-50 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	422 cm.	Total fall (mm.)	Percentage of 1916-30 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-50 average	Exposure
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date															
0 SCOTLAND, N. -contd.																																
Inverness																																
Benbecula	21-9	6	10.2	3.3	6.7	-0.8	14.4	8	-0.4	17	-	-	45	68	11	11	17	8	0	0	2	4	0	0	1	14	7	0	7.05	-	-	-
Isle of Rhum	99	5	10.8	3.2	7.0	-	16.1	8	-1.7	2	8.1	7.2	102	71	22	11	21	14	2	1	4	1	0	0	6	14	-	2	-	-	-	
Prabost	99	67	10.3	2.8	6.5	-	16.7	8	-1.1	14	-	-	73	62	11	14	21	16	2	0	1	3	0	0	3	19	-	1	5.96	-	-	-
Duntulm	99	90																														
Onich	99	15	11.1	2.6	6.9	-0.5	18.3	7	-3.3	2	-	-	66	54	10	11	21	12	-	0	-	-	-	0	5	17	-	-	4.29	107	8	-
Fort William	99	8	11.4	2.2	6.8	-	20.0	7	-5.6	2	6.6	6.1	60	57	15	11	17	14	4	1	0	4	0	0	9	13	-	-	4.77	-	-	-
Corpach	99	8	11.3	2.6	6.9	-	18.9	7	-2.2	2	-	-	75	-	29	11	16	13	1	0	0	0	0	0	4	16	-	0	-	-	-	
Fort Augustus	99	21	10.5	1.7	6.1	-1.0	18.3	6	-3.3	2,20	-	-	51	-	10	11	18	13	1	0	0	0	0	0	8	-	0	5.10	-	-	-	
Inverness	99	4	10.6	2.6	6.6	-	19.4	8	-1.7	19	-	-	35	84	12	28	15	7	2	0	1	0	0	0	2	13	-	0	5.15	-	-	-
Coire Cas Shielling	99	762	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cairngorm	99	1090	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Achnagoichan	99	305	9.3	-0.4	4.5	-	17.2	8	-7.2	19	4.1	-	43	70	11	28	14	10	-	-	-	-	-	16	26	-	-	-	-	-	-	
Glenmore Lodge	99	341	8.6	-0.9	3.9	-1.5	17.2	8	-7.3	19	-	-	74	106	25	28	16	14	-	4	-	-	-	0	21	26	20	-	4.24	-	-	-
1 SCOTLAND, E.																																
Nairn																																
Nairn	99	6	10.4	1.8	6.1	-1.2	19.4	8	-3.9	18,19	-	-	33	81	14	28	15	8	0	0	0	0	0	0	6	17	-	0	4.79	101	-	-
Moray																																
Grantown-on-Spey	99	229	9.1	-1.6	3.7	-	18.3	7	-7.8	19	-	-	65	-	25	28	19	13	9	3	5	1	0	0	22	25	-	0	-	-	-	-
Forres	99	47	10.2	2.4	6.3	-1.0	19.4	8	-2.8	18	6.4	5.8	48	122	18	28	15	11	4	0	5	0	0	0	5	11	-	0	5.04	109	-	-
Kinloss	21-9	5	10.3	2.3	6.3	-0.8	19.9	8	-2.8	19	6.0	-	46	115	17	28	18	9	8	0	0	6	0	0	5	17	10	1	5.00	-	-	-
Elgin	99	15	10.1	1.9	6.0	-	(20.0)	8	-3.3	19	-	-	51	116	13	28	16	12	0	0	0	0	0	0	5	19	-	0	5.63	-	-	-
Lossiemouth	99	6	10.4	1.3	5.9	-1.2	20.0	8	-4.4	19	-	-	35	88	11	28	13	9	3	0	6	0	0	0	8	16	15	0	-	-	-	-
Gordon Castle	99	32	10.1	2.7	6.4	-0.9	20.0	8	-2.2	19	-	-	67	143	12	21	15	15	1	0	0	0	0	-	4	-	0	4.97	109	-	-	-
Banff																																
Glenlivet	21-9	215	9.1	0.9	5.0	-	18.4	8	-6.2	18	-	-	72	-	23	28	17	15	9	0	3	1	0	0	12	21	19	0	4.16	-	8	-
Banff	99	24	9.1	3.3	6.2	-	15.6	9	0.0	19	-	-	43	-	10	21,28	18	13	0	0	2	0	0	0	1	-	1	4.78	-	-	-	-
Aberdeen																																
Braemar	99	339	8.2	-0.3	3.9	-1.3	16.7	8	-5.6	18	-	-	60	105	28	21	15	9	-	3	-	-	-	0	13	21	-	-	5.25	-	-	-
Balmoral	99	283	8.3	-0.6	3.9	-1.5	16.1	8	-5.6	20	-	-	60	106	22	21	18	13	10	4	0	0	0	-	15	22	-	0	-	-	-	-
Dinnet	99	177	9.9	0.5	5.2	-	17.8	8	-4.4	18,19	4.8	-	78	-	33	21	17	12	-	0	-	-	-	0	8	24	-	-	5.47	-	-	-
Gartley	99	160	8.8	1.2	5.0	-	18.3	8	-3.3	19	-	-	120	-	37	21	20	14	-	-	-	-	-	7	11	-	-	-	-	-	-	-
Inverurie Swge. Wks.	99	54	9.6	1.1	5.3	-	18.9	8	-3.3	19	-	-	81	-	31	21	18	15	6	0	0	0	0	2	11	18	-	0	5.28	-	-	-
Fyvie Castle	99	66	9.7	1.0	5.3	-	18.9	8	-3.9	19	-	-	74	128	18	21	18	14	5	0	4	0	0	-	11	21	-	2	5.37	-	-	-
Craibstone	99	91	8.9	1.9	5.4	-1.1	16.7	8	-1.1	18,18	5.1	4.6	64	115	17	21	18	15	4	0	4	0	0	1	4	15	-	3	4.82	98	-	-
Dyce	21-9	58	9.5	1.6	5.5	-1.1	16.8	8	-2.8	7	-	-	59	102	14	21	17	16	4	0	1	5	0	2	8	16	15	0	4.33	-	-	-
Aberdeen	99	52	9.2	2.0	5.6	-1.4	13.9	5,26	-2.2	19	-	-	54	97	12	21	15	12	4	0	2	0	0	2	5	16	-	-	5.15	107	-	-
Fraserburgh	21-9	18	8.2	4.0	6.1	-	14.8	8	1.8	28	-	-	34	-	9	28	14	10	2	0	3	0	0	1	0	0	0	2	4.85	-	-	-
Kincardine																																
Fettercairn	99	171	8.9	1.1	5.0	-1.1	13.9	5	-3.3	18,19	-	-	101	157	30	21	19	13	6	0	1	0	1	4	8	16	-	1	4.73	-	-	-
Strachan	99	120	9.3	0.2	4.7	-	17.8	8	-4.4	18,19	4.2	-	98	-	43	21	18	13	3	0	0	5	0	0	11	17	-	0	5.25	-	-	-
Banchory	99	77	10.0	1.4	5.7	-	18.3	8	-2.2	8,19	-	-	76	-	29	21	19	12	3	0	0	8	1	0	9	18	-	0	-	-	-	-
Angus																																
Mylnfield	99	30	10.0	2.1	6.1	-	14.4	5	-1.7	2	5.9	5.4	58	142	34	21	12	7	1	0	3	0	0	1	5	25	-	1	5.28	-	-	-
Dundee	99	45	10.4	2.2	6.3	-1.1	13.9	10,25,27	-1.1	2	6.2	-	57	129	27	21	15	8	0	0	0	1	0	2	4	20	-	0	5.36	-	-	-
Glamis Castle	99	61	10.2	0.6	5.4	-	17.8	8	-4.4	19	-	-	66	140	29	21																



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS APRIL, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE			
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1931-60 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure	
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date																
1 SCOTLAND, E. — contd.																																	
Berwick — contd.																																	
Marchmont ...	99	152	10.2	1.8	6.0	-0.9	20.0	8	-2.2	14	-	-	43	92	15	21	14	11	3	0	0	0	0	0	4	-	-	0	5.92	125	5		
Whitchester ...	99	255	9.3	1.1	5.2	-	18.3	8	-2.8	18	-	-	51	99	20	21	16	9	3	0	3	1	0	-10	-	-	0	-	-	-	-	-	
St. Abb's Head	99	75	8.6	3.5	6.1	-	13.5	25	-0.4	8	-	-	-	-	-	-	-	0	0	2	0	0	0	1	1	0	-	1	-	-	-	-	
Peebles																																	
Stanhope Farm	99	226	9.8	0.4	5.1	-	18.3	8	-6.7	19	-	-	51	71	11	11.14	15	10	0	0	1	0	0	0	13	19	-	0	-	-	-	-	
Blyth Bridge ...	99	253	9.4	0.4	4.9	-	18.3	8	-4.4	19	-	-	31	53	8	11	12	8	3	0	0	6	0	0	12	22	-	1	5.02	-	-	-	
West Lynton ...	99	244	9.3	-0.8	4.3	-	18.3	8	-6.1	18	5.0	4.9	41	66	10	21	16	10	0	0	0	0	0	0	17	21	-	0	-	-	-	-	
Glentress ...	99	177	10.8	0.5	5.7	-	20.0	8	-5.6	18,19	-	-	27	56	10	21	13	4	-	0	-	-	-	0	12	-	-	-	-	-	-	-	
Selkirk																																	
Bowhill ...	99	183	10.8	1.2	6.0	-	19.4	8	-4.4	18,19	-	-	32	60	9	21	12	6	3	0	2	0	1	0	12	-	0	-	-	-	-	-	
Galashiels ...	99	198	9.8	1.2	5.5	-	18.9	8	-3.9	18,19	-	-	28	-	8	21	11	6	4	0	0	3	0	0	10	15	-	0	5.56	-	-	-	
Roxburgh																																	
Wauchope ...	99	171	10.4	0.2	5.3	-	19.4	8	-5.0	19	-	-	62	112	28	25	12	9	1	0	2	0	0	0	14	-	0	-	-	-	-	-	
Kelso ...	99	35	11.2	1.9	6.5	-	21.1	8	-3.3	14,19	-	-	33	-	14	21	11	6	2	0	0	1	0	0	8	18	-	0	5.34	-	-	-	
Sourhope ...	99	219	9.9	0.9	5.4	-0.9	20.6	8	-4.4	14	-	-	-	-	-	-	-	2	0	0	0	0	0	11	20	-	0	5.31	-	-	-	-	
6a SCOTLAND, W.																																	
Argyll																																	
Tiree ...	21-9	9	10.2	4.2	7.2	-0.6	13.1	6	0.5	2	-	-	37	57	5	13	14	12	0	0	0	7	0	0	9	7	1	6.36	112	-	-	-	
Rhuvaal ...	21-9	20	10.0	4.8	7.4	-	14.3	7	1.8	28	-	-	49	58	14	14	13	12	0	0	0	0	0	0	6	2	1	-	-	-	-	-	
Colonsay ...	99	27	10.2	-	-	-	14.4	6,7	-	-	-	-	39	50	10	14	14	11	0	-	0	0	1	-	-	-	0	-	-	-	-	-	
Aros ...	99	37	11.7	2.7	7.2	-	18.3	7	-2.2	2	-	-	71	-	14	14	21	14	1	0	2	3	0	10	17	-	0	-	-	-	-	-	
Craighouse ...	99	3	10.8	3.6	7.2	-	14.4	5,7,8	0.6	20	-	-	68	-	17	14	15	13	-	0	-	-	-	0	9	-	-	-	-	-	-	-	
Machrihanish ...	21-9	10	10.3	3.4	6.9	-	15.4	7	-2.1	2	-	-	47	-	13	14	14	11	0	1	0	1	0	2	14	10	2	7.41	-	-	-	-	
Campbeltown ...	99	3	-	-	-	-	-	-	-	-	-	-	30	-	(11)	14	10	8	-	-	-	-	-	-	-	-	-	7.22	-	-	-	-	
Achaglachgach ...	99	12	11.3	1.7	6.5	-	16.1	8	-3.3	2	-	-	71	74	13	13	15	13	1	-	1	0	0	9	18	-	0	-	-	-	-	-	
Knapdale Forest ...	99	40	10.9	2.2	6.5	-	17.2	8	-3.9	2	-	-	48	-	11	14	16	14	0	0	0	0	0	7	-	-	0	-	-	-	-	-	
Glenbranter ...	99	24	10.9	2.2	6.5	-	16.7	8	-3.9	2	-	-	69	-	14	11	16	10	-	0	-	-	-	6	9	-	-	-	-	-	-	-	
Glen Etive ...	99	24	11.7	2.2	6.9	-	18.9	8	-5.0	2	-	-	109	-	28	11	17	15	3	0	2	1	0	-	6	14	-	0	-	-	-	-	
Benmore Y.B.G. *	99	12	11.1	2.3	6.7	-	17.2	8	-2.8	2	-	-	87	59	21	14	16	14	3	0	2	0	0	1	7	19	-	0	-	-	-	-	-
Bute																																	
Kildonan ...	21-9	18	10.4	4.1	7.3	-	14.5	7	0.4	2	-	-	64	-	20	14	17	14	0	-	0	1	0	0	5	7	2	-	-	-	-	-	-
Brodick Castle ...	99	15	11.4	3.3	7.3	-	17.2	8	-1.1	2	8.4	-	76	-	25	14	13	13	0	0	0	0	0	1	17	-	1	-	-	-	-	-	
Rothsay ...	99	43	10.6	3.7	7.1	-0.7	16.7	8	0.0	2	6.2	5.6	50	60	17	14	15	11	0	0	0	4	0	0	12	-	0	7.09	146	-	-	-	-
Dunbarton																																	
Finnart ...	99	15	10.6	3.4	7.0	-	16.1	8	-1.1	2	-	-	70	-	13	14	14	12	1	0	1	0	0	-	1	-	0	-	-	-	-	-	
Helensburgh ...	99	89	10.9	1.9	6.4	-1.0	16.7	8	-2.8	2	-	-	56	67	10	11	17	17	0	-	0	0	1	7	-	-	0	5.41	116	5	-	-	
Sloy ...	21-9	12	10.9	2.8	6.9	-	17.3	8	-3.2	2	-	-	90	-	23	11	19	12	0	-	3	0	0	5	-	-	0	-	-	-	-	-	
Cumbernauld ...	99	94	10.9	1.4	6.1	-	18.3	8	-3.3	2	-	-	52	-	10	21	13	10	0	0	0	0	0	10	18	-	0	-	-	-	-	-	
Stirling																																	
Earl's Hill ...	21-9	335	8.6	0.8	4.7	-	17.2	8	-2.8	2	-	-	51	-	10	24	13	10	4	-	2	1	0	2	11	18	19	10	5.47	-	-	-	-
Stirling ...	99	46	11.0	2.7	6.9	-1.2	18.3	8	-0.6	2,18	7.1	5.5	38	70	11	11	16	8	2	0	0	1	1	0	2	18	-	0	5.59	-	-	-	-
Falkirk Swge. Wks.	99	3	10.9	2.4	6.7	-	16.7	25	-2.2	20	-	-	37	-	8	11	10	7	0	0	0	0	0	6	-	-	0	4.95	-	-	-	-	-
Grangemouth ...	99	4	11.2	2.7	6.9	-	18.3	8	-1.1	9,18,19	-	-	33	-	8	11	12	7	0	0	0	0	0	3	14	-	0	-	-	-	-	-	-
Renfrew																																	
Greenock ...	99	61	10.2	3.3	6.7	-1.3	17.2	8	0.0	2	-	-	49	55	13	11	15	11	0	0	0	0	0	1	9	-	0	5.83	124	-	-	-	-
Paisley ...	99	32	11.8	3.1	7.5	-0.8	19.4	8	-1.1	2	7.4																						







TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS APRIL, 1969

DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE					
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1931-60 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure			
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date	0.2 mm or more	1.0 mm or more																
3 ENGLAND, E. — contd.																																		
Essex																																		
Harlow ...	99	79	13.3	3.0	8.1	-		21.1	8.9	-2.2	3	-	7.2	25	-	4	15	13	9	1	0	1	0	0	0	7	-	-	0	5.90	-	-	-	
Stansted ...	99	101	12.5	3.1	7.7	-0.4		21.9	9	-1.5	19	-	-	25	50	7	21	13	7	2	0	0	2	0	0	7	16	10	0	-	-	-	-	
Writtle ...	99	32	12.9	2.4	7.7	-		21.7	9.10	-3.9	20	7.4	-	15	32	4	25	8	5	0	0	3	0	0	0	8	18	-	0	-	-	-	-	
Southend ...	99	27						23.9	9	0.0	3	-	-	18	43	6	23	10	6	1	0	0	0	0	0	0	0	-	0	-	-	-	-	
Maldon ...	99	4	12.8	3.3	8.0	-		22.2	9	-2.2	20	-	-	16	-	4	14	14	6	1	-	0	0	0	0	4	0	-	1	-	-	-	-	
Earls Colne ...	99	49	13.2	3.0	8.1	-		22.2	9	-1.7	3	7.7	7.2	21	45	5	14	8	7	-	0	-	-	-	-	4	12	-	-	-	-	-	-	
Shoeburyness †	21-9	2	12.3	3.9	8.1	-0.7		21.7	9	-2.5	20	-	-	19	47	5	23	10	6	1	0	0	0	0	1	5	14	8	0	7.11	128	-	-	
Clacton-on-Sea †	99	16	11.8	4.4	8.1	-0.1		17.2	8	0.0	19	8.2	7.4	21	50	4	21.23	13	8	0	0	0	0	0	0	0	3	-	0	7.07	81	-	-	
Walton-on-Naze	21-9	5	11.1	4.0	7.5	-		17.1	10	-0.7	3	-	-	20	-	4	14	14	5	0	0	1	0	0	0	2	5	5	0	7.43	-	-	-	
Dovercourt ...	99	3	12.3	2.9	8.1	-0.6		20.6	9	-0.6	3	-	-	18	43	5	15	12	6	0	0	0	0	0	0	3	20	-	0	-	-	-	-	
4 MIDLAND COUNTIES																																		
Yorks., W. Riding																																		
Slaidburn ...	99	192	10.2	1.6	5.9	-		20.0	8	-3.3	3.18	-	-	85	92	17	14	18	12	0	0	0	0	0	0	9	17	-	0	-	-	-	-	
Malham Tarn ...	99	395	8.6	1.0	4.8	-		18.3	8	-2.8	14	4.0	-	124	138	20	14	18	16	2	1	1	0	0	0	10	19	-	0	-	-	-	-	
Huddersfield †	99	99	10.9	2.6	6.8	-		20.0	8	-2.8	18.19	6.0	5.3	86	159	13	21	15	14	-	-	-	-	-	-	7	-	-	-	4.79	120	-	-	
" Oakes	21-9	235	10.3	2.1	6.2	-		20.2	8	-1.6	19	5.7	4.9	95	148	14	11	15	15	3	1	0	2	2	2	6	14	10	2	5.49	127	-	-	
Bradford †	99	134	10.6	2.6	6.6	-1.1		18.9	8	-1.7	3.18.19	5.8	4.8	94	159	17	21	16	14	2	0	1	0	0	1	6	15	-	2	-	-	-	-	
Ilkley ...	99	96	11.2	2.4	6.8	-1.0		19.4	8	-1.7	18.19	-	-	88	129	16	21	15	15	0	2	0	0	0	1	7	-	-	0	5.50	120	-	-	
Sheffield ...	99	131	10.6	3.3	6.9	-1.5		20.0	8	-0.6	3	6.4	5.3	76	144	13	21	16	14	0	0	0	0	0	-	1	12	-	0	4.91	112	-	-	
Pontefract ...	99	78	10.8	3.1	6.9	-1.2		18.3	8	-0.6	19	-	-	68	161	12	21	17	11	0	1	0	0	0	0	2	4	8	-	1	-	-	-	
Bramham ...	99	54	11.8	2.6	7.2	-		18.9	8	-1.7	19	-	-	75	170	11	10.21	18	21	2	0	0	0	0	1	1	4	16	-	1	5.74	-	-	-
Cawood ...	99	6	11.2	2.8	7.0	-		18.9	8	-1.7	3	6.6	5.9	75	174	12	21	19	16	0	0	0	0	0	1	7	16	-	0	5.36	-	-	-	
Askham Bryan ...	99	34	11.4	(2.6)	(7.0)	-		18.3	8.9	-1.1	18.19	-	-	67	146	11	22	17	14	0	0	1	0	0	1	5	11	-	1	5.39	115	-	-	
Derby																																		
Buxton †	99	307	9.0	1.5	5.3	-1.2		17.8	8	-3.3	3	4.9	4.5	109	128	31	14	16	13	0	0	0	0	0	4	10	12	-	0	-	-	-	-	
Ashover ...	99	186	10.4	2.2	6.3	-		18.9	8	-3.3	18.20	-	-	69	-	13	26	17	12	3	0	0	0	0	1	8	16	-	1	5.73	-	-	-	
Derby ...	99	48	12.1	3.1	7.6	-		20.0	8	-2.2	3.18	-	-	56	111	10	25	17	13	1	0	0	0	0	1	6	10	-	1	5.64	-	-	-	
Morley ...	99	107	11.4	(2.6)	(7.0)	-		19.4	8	-2.2	3	-	-	60	115	11	26	16	14	1	0	0	1	0	-	7	17	-	0	5.94	-	-	-	
Wingerworth ...	99	127	11.1	1.9	6.5	-		18.9	8	-3.9	3	6.4	-	63	-	11	26	18	12	0	0	0	1	0	5	7	16	-	0	-	-	-	-	
Nottingham																																		
Sutton Bonington	99	48	12.1	2.6	7.3	-1.0		20.0	9	-3.3	3.20	6.8	6.1	49	113	11	25	14	11	0	0	0	0	0	1	6	17	-	0	5.56	118	-	-	
Watnall ...	21-9	117	11.4	2.6	7.0	-1.2		19.9	8	-2.2	3	-	-	60	122	11	21	14	12	3	0	0	1	1	0	7	16	13	0	4.80	101	-	-	
Mansfield ...	99	110	10.7	2.7	6.7	-1.5		18.3	8.9	-1.1	3.18.2	(6.8)	-	57	115	14	26	15	11	0	0	0	0	0	1	4	14	-	0	-	-	-	-	
Nottingham †	99	59	11.7	3.6	7.7	-1.0		18.9	8.9	-0.6	3	6.6	5.6	54	118	10	25	15	12	0	0	0	0	1	1	11	-	0	5.05	117	-	-	-	
Warsop ...	99	46	11.4	2.3	6.9	-		18.9	8	-3.3	3	-	-	61	154	11	26	13	12	-	-	-	-	-	1	9	21	-	-	5.17	-	-	-	
Finningley ...	21-9	10	12.0	3.4	7.7	-0.8		19.5	8	-2.1	3	-	-	76	-	11	21	18	14	0	0	1	0	1	2	2	12	11	1	5.63	-	-	-	-
Leicester																																		
Newtown Linford	99	119	11.8	2.2	7.0	-		20.0	8	-4.4	19	-	-	50	95	9	25	15	11	0	0	0	1	2	1	6	17	-	0	5.43	-	-	-	
Caldecott ...	99	53	12.9	1.3	7.1	-		22.2	8	-5.0	3.20	-	-	38	85	13	21	13	10	-	0	-	-	-	1	12	19	-	-	5.67	-	-	-	
Northampton																																		
Bugbrooke Mills	99	69	12.9	1.9	7.4	-		20.6	8.9	-5.0	20	7.1	(6.4)	35	71	9	21	15	11	-	0	-	-	-	1	9	-	-	(6.29)	-	-	-	-	
Raunds †	99	59	13.1	2.1	7.6	-0.7		21.1	9	-4.4	3	7.7	6.4	31	70	11	21	14	7	-	0	-	-	-	1	5	18	-	-	6.37	135	-	-	
Wittering ...	99	65	12.3	2.0	7.7	-0.7		20.8	9	-2.9	3	-	-	44	98	7	27	16	11	2	0	2	0	1										



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS APRIL, 1969

DISTRICT, COUNTY AND PLACE	Max. Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE				
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1931-60 average	MOST IN A DAY		Precip'n 0.2 mm or more	Snow or Sleet 1.0 mm or more	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost† Grass min. below 0°C	Concrete min. below 0°C.	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure				
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date																	
4 MIDLAND COUNTIES — contd.																																	
Hereford																																	
Lyonshall ...	99	155	12.0	3.0	7.5	-0.7	16.7	8,9	-2.8	20	-	-	40	67	15	25	11	8	-	-	-	-	-	5	17	-	-	-	-	-	-	-	-
Ross-on-Wye ££	21-9	68	13.1	3.5	8.3	-0.6	21.1	8	-2.8	3	7.9	7.5	41	83	17	25	10	7	0	0	2	0	0	6	18	11	0	7.29	138	-	-	-	
Preston Wynne	99	84	12.8	2.5	7.7	-	20.6	8	-2.8	20	-	-	41	94	11	25	13	7	0	0	0	2	0	8	22	-	0	(7.29)	-	-	-		
Gloucester																																	
Filton ...	21-9	59	12.9	3.7	8.3	-0.5	20.4	8	-1.7	3	-	-	34	68	11	25	11	8	0	0	0	0	0	5	15	11	0	6.69	-	-	-	-	
Hempsted ...	99	12	13.3	3.1	8.2	-	20.6	8	-2.8	3	8.6	7.7	29	56	13	25	11	5	0	0	0	0	0	6	13	-	0	6.85	-	-	-	-	
Gloucester ...	21-9	24	13.6	3.9	8.7	-	21.0	8	-2.4	3	-	-	31	-	11	25	10	8	0	0	3	0	0	5	17	8	0	6.98	-	-	-	-	
Cheltenham ...	99	65	12.9	3.1	8.0	-0.9	21.1	8	-2.2	3	-	-	36	74	9	22	14	8	-	-	-	-	-	5	-	-	-	6.96	-	-	-	-	
Cirencester ...	99	135	12.9	2.5	7.7	-	21.1	8	-2.8	18	-	-	40	67	12	22	11	8	0	0	0	0	0	6	18	-	1	7.33	-	-	-	-	
Little Rissington	21-9	226	11.8	2.9	7.3	-	19.5	8	-0.3	18	-	-	36	63	10	21	14	11	1	0	3	2	0	1	2	15	11	0	7.45	-	-	-	-
5 ENGLAND, S.E.																																	
Greater London																																	
Kensington Palace	99	25	13.4	4.7	9.1	-0.7	22.8	9	0.0	20	8.7	7.8	18	37	5	23	10	6	0	0	0	0	0	0	15	-	0	-	-	-	-	-	
Hampstead ...	99	137	12.8	(3.5)	(8.1)	(-0.4)	21.8	9	-1.3	18	-	-	22	-	5	23	14	7	1	0	1	0	0	-	4	13	-	0	6.79	131	-	-	
St. James's Park	99	4	13.6	5.5	9.5	-0.5	22.8	9	1.7	3,19,20	-	-	17	-	4	23	11	6	0	-	0	0	1	-	0	-	-	0	-	-	-	-	
Camden Square	99	34	13.5	4.9	9.2	-0.8	22.2	9	0.0	3	7.9	-	16	-	4	23	12	4	-	-	-	-	-	0	-	-	-	-	-	-	-	-	
London/W.Centre	-	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.56	136	-	-		
Greenwich ...	99	7	-	4.5	-	-	-	-	-2.2	20	-	-	14	30	4	23	10	5	1	0	0	0	0	2	10	-	0	6.31	134	-	-	-	
Heathrow ...	21-9	25	13.5	3.9	8.7	-0.6	21.8	9	-1.2	19	-	-	20	45	4	23	12	8	0	0	1	2	0	4	16	7	0	6.92	-	-	-	-	
Hampton ...	99	12	13.3	4.2	8.7	-	21.7	8	-0.6	3,19,20	-	-	22	48	4	13	13	9	0	0	1	0	1	0	3	16	-	0	6.58	-	-	-	
Wealdstone ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.36	-	-	-		
Southgate ...	99	67	-	-	-	-	21.7	9	-	-	7.7	-	16	30	4	23	12	6	1	0	0	0	0	-	18	-	0	6.27	-	-	-	-	
Kew ££	21-9	5	13.3	3.6	8.5	-0.9	21.4	9	-3.8	20	8.0	7.4	15	33	4	23	12	5	0	0	0	2	1	0	7	15	8	0	6.85	128	-	-	
Waddon ...	99	67	-	3.7	-	-	-	-	-2.8	20	-	-	18	32	4	23	12	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Addington ...	99	144	12.7	3.4	8.1	-0.5	21.7	9	-1.7	3,18,19	-	-	21	37	4	23	13	9	-	-	-	-	-	0	6	-	-	-	-	-	-	-	
Bromley ...	99	65	-	-	-	-	-	-	-2.2	3	-	-	16	31	3	23	11	7	-	0	-	-	-	-	-	-	-	-	-	-	-	-	
Surrey																																	
Gatwick ...	21-9	59	13.2	2.1	7.7	-0.9	22.6	9	-5.7	20	-	-	19	33	7	21	9	4	0	0	2	1	3	0	9	17	8	0	6.08	-	-	-	-
Wiseley	99	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mickleham ...	99	55	13.2	1.8	7.5	-	22.2	9	-5.0	19,20	-	-	23	41	8	22	11	6	0	0	0	2	2	0	12	16	-	0	-	-	-	-	-
Kent																																	
Dartford ...	99	5	13.7	3.7	8.7	-	22.8	9	-3.9	20	-	-	11	24	3	23	10	6	0	0	0	1	0	0	4	-	-	0	-	-	-	-	-
Hadlow College	99	27	13.2	2.6	7.9	-	22.8	9	-5.6	20	7.7	6.9	22	-	6	27	12	6	1	0	1	1	0	7	13	-	0	5.37	-	-	-	-	
Gillingham ...	99	4	12.7	3.9	8.3	-	22.8	9	-3.3	20	-	-	11	23	3	14	10	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Isle of Grain ...	99	3	12.8	5.4	9.1	-	22.2	9	1.1	19	-	-	16	-	4	23	10	6	0	0	0	0	0	0	4	-	0	6.69	-	-	-	-	-
Dungeness ...	21-9	3	11.4	3.7	7.5	-0.9	18.1	8	-2.5	19	-	-	40	89	11	22	11	8	0	0	1	0	1	1	4	-	-	0	-	-	-	-	
Whitstable ...	99	3	12.1	4.4	8.3	-	21.7	9	-3.3	20	-	-	21	51	4	22	11	6	0	0	1	0	1	1	1	-	2	(7.05)	-	-	-	-	
Folkstone ...	99	39	11.3	4.7	7.5	-	20.0	8	0.6	18,19	-	8.3	41	86	9	22	12	11	0	0	1	0	0	3	8	-	2	7.87	-	-	-	-	
Elmstone ...	99	9	12.1	3.1	7.6	-	20.0	9	-4.4	20	-	-	20	-	4	25	11	9	-	-	-	-	-	0	5	7	-	-	-	-	-	-	
Herne Bay ...	99	6	12.2	5.2	8.7	-	21.1	9	-1.7	20	-	-	21	50	5	22	12	6	0	0	0	0	1	0	1	-	-	0	6.89	-	-	-	-
Dover ...	99	6	11.7	-	-	-	20.6	8	-	-	8.1	8.1	43	85	8	25	14	9	0	0	0	0	0	1	-	-	0	(7.17)	-	-	-	-	
Deal ...	21-9	5	11.5	5.1	8.3	-	18.2	9	0.4	19	-	-	30	-	8	21	13	9	0	0	0	0	0	1	0	5	4	0	-	-	-	-	
Manston ...	21-9	44	12.0	4.0	8.0	-	20.0	9	-2.0	20	-	-	33	86	8	27	14	9	2	0	1	2	0	1	1	9	-	0	-	-	-	-	
Ramsgate ...	99	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Margate	99	16	11.1	5.5	8.3	-0.7	19.4	9	1.7	20	-	7.6	27	76	5	26	12	9	0	0	1	1	0	0	0	-	0	7.23	119	-	-	-	
West Malling ...	99	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goudhurst ...	99	85																															



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS APRIL, 1969

DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE			
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1931—60 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gate	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure	
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date																
5. ENGLAND, S.E. — contd.																																
Hampshire — contd.																																
Southsea	99	2	12.6	5.1	8.9	-0.7	17.2	7	0.0	4	9.1	8.4	31	64	9	22	7	6	1	0	0	0	0	0	0	11	-	0	6.90	112	-	
Hayling Island ...	99	4	12.3	4.7	8.5	-	17.2	9	-0.6	3	-	-	30	-	12	22	7	4	0	0	1	0	0	0	1	-	1	7.35	-	-		
Long Sutton ...	99	156	12.7	2.7	7.7	-0.7	20.6	8,9	2.2	19,20,29	-	-	19	34	5	21	7	7	0	0	1	0	0	0	5	20	-	1	6.73	124	S	
Alice Holt Lodge	99	115	12.7	2.7	7.7	-	21.1	8	-3.9	20	-	-	15	28	5	22	9	4	0	0	1	0	0	0	8	20	-	0	6.90	-	S	
S. Farnborough	99	69	13.2	2.5	7.9	-0.9	21.9	9	-4.3	20	-	-	15	29	4	23	7	6	0	0	0	1	0	0	8	19	18	0	7.02	130	-	
Isle of Wight																																
St. Catherine's Pt.	99	16	10.9	4.4	7.7	-0.8	17.0	8	0.5	2	-	-	37	73	13	22	9	5	0	-	1	0	0	1	0	-	1	-	-	-	-	
Ventnor *	99	135	11.7	5.1	8.4	-0.7	17.8	8	1.1	2,18	9.2	8.1	47	86	16	22	8	7	0	0	0	0	0	3	0	2	-	1	7.57	117	-	
Shanklin ...	99	55	11.7	4.8	8.3	-	19.4	9	-0.6	3,18	-	-	46	79	21	22	8	5	1	-	1	0	0	1	2	-	1	8.07	-	-	-	
Sandown ...	99	4	12.6	5.1	8.9	-0.4	20.0	9	1.1	2,18	-	-	37	74	16	22	8	5	0	0	0	0	0	0	0	-	-	7.61	-	-	-	
Ryde ...	99	5	12.7	5.1	8.9	-0.6	20.0	9	2.2	2	-	-	34	68	12	22	8	5	0	0	1	0	0	0	0	0	-	2	7.26	118	-	
Wiltshire																																
Lacock ...	99	49	13.3	2.3	7.8	-	21.7	8	-3.9	18,20	-	-	36	72	14	21	9	7	-	0	-	-	-	0	10	17	-	-	-	-	-	
West Lavington	99	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Lyneham ...	21-9	145	12.5	2.9	7.7	-0.6	20.6	8	-1.2	18	-	-	46	88	17	21	10	6	0	0	4	0	0	0	0	7	17	12	0	7.55	-	-
Larkhill ...	99	132	12.9	2.6	7.7	-0.6	21.0	8	-2.2	20	-	-	24	48	9	21	12	6	0	0	1	0	0	0	8	13	12	0	-	-	-	
Boscombe Down	21-9	126	13.2	2.9	8.1	-0.3	21.3	8	-1.3	18	-	-	22	44	7	21	11	7	0	0	1	1	0	0	7	21	13	0	7.25	131	-	
Upavon ...	21-9	176	12.6	2.8	7.7	-	20.4	8	-1.1	20	-	-	28	53	6	25	13	7	1	0	1	0	1	1	3	20	12	0	-	-	-	
Porton	99	111	13.0	2.0	7.5	-0.8	20.9	8	-3.7	18	7.1	-	21	40	8	21	10	7	0	0	0	1	0	0	10	20	14	0	6.83	121	-	
7a. ENGLAND, N.W.																																
Cumberland																																
Sellafield ...	99	13	10.6	(2.4)	(6.5)	-	17.2	8	-1.1	18,24	-	-	74	119	21	14	11	10	-	0	-	-	-	1	5	17	-	-	6.69	-	-	
Carlisle	21-9	26	11.3	2.4	6.9	-	21.8	8	-2.7	2,19	-	-	51	-	8	21	14	10	0	0	4	0	1	0	9	15	13	0	6.39	-	-	
Newton Rigg	99	171	10.1	1.7	5.9	-1.2	19.4	8	-3.9	19	5.9	-	54	103	12	11	15	9	-	0	-	-	-	0	9	18	-	-	5.54	119	-	
Spadeadam	99	274	8.9	0.2	4.5	-	18.9	8	-5.6	14	4.3	4.1	91	-	26	9	15	8	2	0	2	0	0	1	14	19	-	2	4.81	-	-	
Westmorland																																
Ambleside ...	99	46	11.6	-	-	-	20.0	8	-2.8	3,19	-	-	100	98	20	9	15	10	0	0	1	0	0	0	9	-	-	0	-	-	S	
Great Dun Fell	21-9	847	3.2	-1.8	0.7	-	11.2	8	-6.6	2	-	-	-	-	-	-	-	-	11	-	-	-	-	13	24	-	-	4.12	-	-		
Moor House ...	99	556	5.9	(-1.3)	(2.3)	-	14.4	8	-8.3	2	1.9	-	186	104	26	14	19	15	-	8	-	-	-	2	21	23	-	-	4.90	-	-	
Lancashire																																
Squires Gate ...	21-9	10	10.9	3.1	7.0	-1.0	21.3	8	-3.0	3	-	-	48	102	11	14	13	9	0	0	0	0	0	2	7	13	9	2	7.05	124	-	
Aigburth ...	99	14	11.3	4.4	7.9	-	18.5	8	0.5	3,18	7.8	7.3	55	-	14	26	12	12	0	0	0	0	0	1	0	8	-	0	6.95	-	-	
Southport ...	99	5	10.8	3.0	6.9	-	21.1	8	-2.2	3	7.6	8.3	64	137	16	14	14	12	-	0	-	-	-	5	7	12	-	-	7.03	-	-	
Poulton-le-Fylde	99	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Grizedale ...	99	91	11.4	0.6	6.0	-	18.9	8	-3.9	2,19	5.9	-	77	-	23	14	15	11	0	0	0	0	0	0	14	21	-	0	-	-	-	
Speke ...	21-9	22	12.1	3.6	7.9	-	20.4	8	-2.7	3	-	-	61	141	16	26	14	13	0	0	2	0	0	0	3	11	11	1	6.37	-	-	
Kirkham ...	99	24	10.9	2.6	6.7	-	20.0	8	-2.8	19	-	-	56	110	11	14	13	11	0	0	0	0	0	0	8	13	-	0	6.75	-	S	
Garstang ...	99	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Bailrigg ...	99	54	10.7	2.6	6.7	-	19.9	8	-2.7	22	-	-	59	-	15	14	13	11	-	0	-	-	-	0	7	13	-	-	6.04	-	-	
Morecambe ...	99	7	10.8	4.1	7.5	-0.8	21.1	8	0.0	2,3	-	-	63	122	12	9,14	13	13	0	0	1	0	0	0	0	-	-	0	6.35	115	-	
Penketh ...	99	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Preston ...	99	33	11.3	3.1	7.2	-	20.6	8	-2.2	3,18	-	-	68	121	14	14	15	13	0	0	0	0	0	1	6	12	-	1	-	-	-	
Bolton ...	99	107	10.9	2.8	6.9	-	21.1	8	-2.2	3,13	6.1	-	87	-	23	14	13	10	-	0	-	-	-	0	7	9	-	-	6.13	-	-	
Stonyhurst	99	115	11.1	2.5	6.8	-0.9	20.0	8	-1.7	3,18,19	-	-	83	123	23	14	14	11	-	0	-	-	-	1	8	-	-	6.27	131	-		
Manchester/W. Centre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.73	-	-		
Helmshore ...	99	260	9.9	2.3	6.1	-	18.9	8	-1.7	18,19,20	5.8	-	102	108	23	14	16	13	-	0	-	-	-	0	5	16	-	-	6.00	-	-	
Burnley ...	99	200	10.7	1.6	6.1	-	20.6	8	-3.9	19,20	5.7	5.2																				
Nelson	99	165	10.0	2.2	6.1	-	19.7	8	-2.8	18,19	5.9	5.1																				
Rochdale ...	99	110	11.1	2.2	6.7	-	20.6	8	-2.8	3,18	-	-	99	145	15	11	16	13	0	0	1	0	1	0	8	15	-	1	-	-	-	
Cheshire																																
West Kirby Park	99	8	11.8	4.0	7.9	-	20.6	8	-2.2	3	-	-	52	-	12	26	15	10	-	0	-	-	-	-	5	10	-	-	7.11	-	-	
Bidston	99	60	10.4	4.6	7.5	-0.8	19.4	8	1.7	1,3,20	-	-	47	110	12	26	13	11	-	-	-	-	-	1	0	9	-	-	6.78	129	-	
Ness Gardens ...	99	55	11.8	3.8	7.3	-	20.0	8	-0.6	3	-	-	54	-	17	26	11	10	0	0	1	0	1	0	1	13	-	2	6.36	-	-	
Winnington ...	99	20	12.5	(3.6)	(8.1)	-	21.1	8	-2.2	3	-	-	67	139	15	26	13	12	1	0	0	1	0	1	3	15	-	-	-	-	-	
Knutsford ...	99	65	12.0	2.7	7.3	-	21.1	8	-2.4	3	7.0	6.3																				
Ringway	21-9	76	11.5	3.3	7.4	-0.7	20.5	8	-1.9	3	-	-	81	170	22	14	13	11	1	0	0	0	0	0	4	11	10	0	6.23	136	-	
Macclesfield ...	99	152	(10.9)	3.0	(6.9)	(-1.0)	20.6	8	-1.7	2,3	-	-	83	134	18	14	14	12	1	0	0	0	0	0	6	-	-	0	-	-	-	
7b. NORTH WALES																																
Flint																																
Rhyl ...	99	9	11.1	3.9	7.5	-1.1	21.1	8	-1.1	2,3	-	-	41	103	8	10	13	8	0	0	0	0	0	0	5	11	-	0	7.07	130	-	
Prestatyn ...	99	4	11.2	3.9	7.5	-	21.1	8	-1.7	6	-	-	40	93	8	21	11	9	0	0	1	0	0	0	4	-	-	1	-	-	-	
Hawarden Bridge	99	5	12.5	(3.3)	(7.9)	(-1.0)	20.0	8	-2.8	3,18	-	-	59	132	15	26	13	10	0	0	0	0	0	0	8	-	-	0	-	-	-	
Anglesey																																
Valley	21-9	10	11.3	4.4	7.9	-0.6	18.3	7	-1.3	2	-	-	67	139	14	21	12	9	0	0	0	0	0	0	2	9	6	1	7.39	124	-	
Denbigh																																
Colwyn Bay ...	99	36	10.9	4.1	7.5	-1.2	20.0	8	-1.1	3	7.8	-	51	117	13	22	14	11	0	0	0	0	0									



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS APRIL, 1969

DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPERATURE °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE																																																							
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	121 cm.	Total fall (mm.)	Percentage of 1911-60 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at thr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frosty	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure																																																					
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date																																																																				
<b>8a. SOUTH WALES.</b>																																																																																				
<b>Cardigan</b>																																																																																				
Aberporth ...	21-9	133	10.5	4.6	7.5	-0.7	17.9	8	0.5	1	-	-	47	79	14	22	13	9	1	0	0	1	0	0	0	9	3	0	6.84	-	-																																																					
Gogerddan ...	9 9	31	11.6	3.3	7.5	-	20.6	8	-2.8	2.3	-	-	52	89	15	22	14	7	d	0	0	0	0	7	19	-	0	6.72	-	-																																																						
Swyddffynnon ...	9 9	165	11.8	3.0	7.1	-	20.0	8	-3.3	2	-	-	98	126	33	22	14	13	-	0	-	-	0	5	16	-	0	6.42	-	-																																																						
Trawscod ...	9 9	61	12.1	2.9	7.5	-	20.0	8	-3.3	2.3	7.6	-	78	108	22	22	12	12	0	0	0	0	0	8	14	-	0	6.57	-	-																																																						
Llety-evan-hen ...	9 9	290	9.9	3.1	6.5	-	18.3	8	-1.7	1	-	-	85	99	21	22	14	12	0	0	0	0	3	3	14	-	0	6.13	126	-																																																						
Cwmystwyth ...	9 9	301	(10.4)	(1.8)	(6.1)	-	18.9	8	-6.1	2	-	-	120	-	24	24	10	10	-	0	-	-	-	(9)	(16)	-	-	-	-	-	-																																																					
<b>Pembroke</b>																																																																																				
Dale Fort ...	9 9	33	12.0	5.4	8.7	-	16.1	6	1.7	3.4	9.6	-	36	-	14	25	11	9	0	0	0	2	0	1	0	3	-	2	7.76	-	-																																																					
Milford Haven C.B.*	21-9	37	11.5	5.1	8.3	-	15.7	6	0.8	3	-	-	25	-	5	9	11	10	0	0	1	0	0	0	3	3	1	-	-	-	-																																																					
Brawdy ...	9 9	110	10.7	3.3	7.0	-	16.1	7	-1.1	30	-	-	42	67	14	25	13	11	0	0	0	1	0	2	15	-	1	7.32	-	-																																																						
Orelton ...	9 9	61	11.9	4.6	8.3	-	15.6	7.8	-0.6	3	8.9	-	49	-	13	25	14	13	0	0	0	0	0	1	16	-	0	-	-	-																																																						
Haverfordwest ...	9 9	8	11.9	-	-	-	16.7	8	-	-	-	-	49	-	15	25	11	10	0	-	0	0	0	0	9	-	0	6.54	-	-																																																						
<b>Carmarthen</b>																																																																																				
Carmarthen ...	9 9	15	13.1	3.1	8.1	-	18.3	7	-3.3	3	8.9	-	59	-	17	25	13	10	0	0	1	0	0	8	18	-	0	6.67	-	-																																																						
Cenarth Mill ...	21-9	282	-	-	-	-	-	-	-	-	-	-	87	-	16	25	14	13	-	-	-	-	-	-	-	-	-	-	-	-	-																																																					
<b>Radnor</b>																																																																																				
Llandrindod Wells	9 9	235	11.9	2.1	7.0	-0.8	20.0	8	-3.9	3	6.8	-	64	96	15	26	13	13	1	0	0	0	0	9	-	-	0	5.80	117	S																																																						
<b>Brecknock</b>																																																																																				
Llwynon ...	9 9	262	10.8	2.0	6.4	-	18.9	8	-3.3	3	-	-	108	-	20	25	16	12	0	0	0	0	0	2	6	-	0	-	-	-	-																																																					
<b>Glamorgan</b>																																																																																				
Mumbles ...	21-9	36	11.1	4.6	7.9	-	14.3	6	1.1	1	-	-	-	-	-	-	-	-	0	0	0	0	1	1	0	3	1	-	-	-	-																																																					
Penmaen ...	9 9	82	12.0	4.3	8.1	-	16.1	8	0.0	2	-	-	58	-	15	25	15	11	0	-	0	1	0	1	0	9	-	1	-	-	-																																																					
Swansea ...	9 9	8	12.6	5.1	8.9	-0.6	20.0	6.8	1.1	3	9.4	9.3	62	101	16	25	16	11	0	0	0	0	0	0	-	-	0	6.58	117	S																																																						
Port Talbot ...	9 9	7	13.3	4.9	9.1	-	20.0	8	-1.1	2.3	-	-	54	87	15	25	13	10	0	0	1	0	0	0	2	6	-	0	6.61	-	S																																																					
Neath ...	9 9	62	12.2	4.6	8.4	-	18.3	8	-0.6	3	-	-	60	87	19	25	16	11	0	2	0	0	0	1	9	-	0	-	-	-	-																																																					
Rhoose ...	21-9	67	11.9	3.9	7.9	-	18.4	8	-1.5	3	-	-	48	85	16	25	12	10	0	0	2	0	1	0	3	12	9	0	7.20	124	-																																																					
Cardiff ...	9 9	62	13.2	3.9	8.5	-0.6	20.0	8	-1.7	22	7.6	7.0	61	95	17	25	15	9	0	-	0	0	0	2	18	-	-	6.06	-	S																																																						
<b>Monmouth</b>																																																																																				
Tredegar ...	9 9	313	10.8	2.2	6.5	-	18.3	8	-2.8	3	-	-	79	79	20	25	14	14	-	0	-	-	-	3	8	18	-	-	6.35	-	S																																																					
Newport ...	9 9	23	12.7	4.1	8.4	-0.8	18.9	8	-0.6	3	-	-	61	96	19	25	15	11	0	0	0	0	0	1	12	-	0	7.39	-	-																																																						
Usk ...	9 9	21	13.2	(3.1)	(8.1)	-	18.3	9	-3.3	20	8.3	-	40	62	20	25	12	6	-	0	-	-	-	0	8	14	-	-	6.03	-	-																																																					
Crumbland ...	9 9	245	11.6	2.8	7.2	-	18.9	8	-1.1	20	7.0	6.6	43	66	15	25	12	6	0	0	0	0	1	3	14	-	0	7.14	-	-																																																						
<b>8b. ENGLAND, S.W.</b>																																																																																				
<b>Somerset</b>																																																																																				
Hawkrige ...	9 9	314	10.2	2.9	6.5	-	17.2	8	-2.3	3	-	-	74	77	18	26	16	14	0	0	1	0	0	2	1	16	-	0	6.93	-	-																																																					
Williton ...	9 9	96	12.5	3.4	7.9	-	18.3	9	-2.2	3.4	9.1	-	49	-	20	25	11	7	0	0	1	0	0	0	6	-	0	-	-	-	-																																																					
Cannington ...	9 9	29	13.0	4.3	8.7	-	20.0	8	-1.1	3	9.1	-	40	80	16	25	11	8	-	-	-	-	-	0	3	7	-	0	7.86	136	-																																																					
Weston-super-Mare	9 9	9	12.8	4.6	8.7	-0.6	20.6	8	-0.6	3	-	-	41	79	13	25	9	9	0	0	1	0	0	0	2	5	-	0	7.61	135	-																																																					
Cricket Malherbie	9 9	76	13.4	3.7	8.5	-	19.4	8.9	-2.2	3	-	-	48	-	16	25	15	9	0	-	1	0	0	0	4	15	-	0	-	-	-																																																					
Cheddar ...	9 9	11	13.6	4.3	8.9	-	20.0	8	-0.6	3.29	8.9	-	51	-	14	21	11	9	-	0	-	-	-	3	10	-	-	-	-	-	-																																																					
Yeovilton ...	21-9	18	13.4	3.5	8.5	-	19.7	8	-2.6	3	-	-	37	-	11	22	10	6	0	0	1	0	0	0	5	14	7	2	-	-	-																																																					
Rodney Stoke ...	9 9	40	13.2	3.6	8.4	-	20.0	8	-1.1	18	8.4	7.6	57	-	14	25	12	10	-	0	-	-	-	0	3	10	-	-	-	-	-																																																					
Long Ashton	9 9	49	13.0	3.7	8.3	-0.3	20.6	8	-1.1	3	8.4	-	53	92	11	25	12	9	0	0	1	0	0	0	6	14	-	0	6.87	127	-																																																					
West Camel ...	9 9	27	13.7	2.9	8.3	-	20.6	8	-3.3	3	-	-	38	-	11	22	13	7	0	0	2	0	1	0	5	19	-	1	-	-	-																																																					
Wincanton ...	9 9	114	12.9	3.5	8.2	-	20.6	8	-1.1	29	-	-	40	-	11																																																																					



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS APRIL, 1969

DISTRICT, COUNTY AND PLACE	Max. Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days												BRIGHT SUNSHINE																																																											
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1931—60 average	Amount (mm.)	Date	Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure																																																							
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date																																																																												
<b>9. NORTHERN IRELAND</b>																																																																																						
<b>Londonderry</b>																																																																																						
Loughmore Forest	99	174	11.0	1.7	6.8	-	16.0	8	-3.0	17,20	-	-	91	-	20	21	19	15	1	0	1	0	0	0	6	19	-	0	-	-	-	-																																																						
Ballykelly ¶	21-9	2	11.6	3.2	7.4	-0.8	18.4	8	-3.1	20	8.1	7.2	55	93	12	21	15	11	3	0	1	6	0	0	5	13	9	1	6.25	120	-	-																																																						
Derrynoyd Forest	99	88	12.0	1.7	6.9	-	17.7	8	-4.8	20	-	-	77	-	18	21	15	12	0	0	1	0	0	0	11	21	-	-	-	-	-	-																																																						
Somerset Forest	99	43	11.6	2.2	6.9	-	18.0	8	-4.0	20	-	-	57	-	14	14	13	11	0	0	0	0	0	0	5	13	-	-	-	-	-	-																																																						
Coleraine ...	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																						
Garvagh Forest	99	91	11.3	1.7	6.5	-	17.8	8	-4.4	20	7.5	6.6	78	-	13	14	15	13	0	0	1	0	1	0	9	16	-	-	-	-	-	-																																																						
Moneydig ¶	21-9	34	11.9	1.7	6.8	-1.1	18.0	8	-5.6	20	7.1	-	66	97	11	14	16	11	3	0	7	0	1	0	11	21	12	2	-	-	-	-																																																						
<b>Antrim</b>																																																																																						
Portrush Golf Club	99	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																						
Ballymoney ...	99	55	11.5	1.0	6.3	-	17.3	8	-4.6	3	-	-	49	-	8	21	15	13	0	-	0	0	0	0	11	-	-	-	-	-	-	-																																																						
Lisnafillan ...	99	38	11.4	1.7	6.5	-	17.8	8	-3.9	3	-	-	60	-	15	14	16	11	0	0	0	0	0	0	11	16	-	-	6.47	-	-	-																																																						
Aldergrove ¶	21-9	69	11.4	2.6	7.0	-0.9	18.5	8	-3.3	2	7.2	6.7	55	90	11	21	15	8	1	0	2	0	0	0	6	15	14	0	6.44	129	-	-																																																						
Greenmount ...	99	32	11.7	2.4	7.1	-	18.3	8	-2.8	2	7.0	-	50	-	11	21	16	10	0	0	0	0	0	-	9	15	-	-	-	-	-	-																																																						
Altnahinch ...	99	226	9.7	1.9	5.8	-	16.7	8	-2.2	2	-	-	107	-	45	21	17	15	2	0	2	0	1	0	6	21	-	4	6.47	-	-	-																																																						
Parkmore Forest	99	235	9.1	1.5	5.3	-	16.7	8	-3.9	20	5.6	-	136	-	45	21	16	14	0	0	0	0	0	0	8	17	-	4	-	-	-	-																																																						
Black Mountain	21-9	295	9.5	1.5	5.5	-	15.9	8	-2.0	2	-	-	72	-	15	21	16	11	1	0	0	1	0	0	3	11	-	1	-	-	-	-																																																						
Lowtown ...	99	271	9.2	1.6	5.4	-	16.1	8	-1.7	13,20	5.4	-	97	-	21	14	15	13	2	0	1	0	0	0	2	8	15	-	1	6.02	-	-																																																						
Ballypatrick Forest	99	152	9.5	2.1	5.8	-	17.4	8	-2.3	2	-	-	74	-	29	21	16	12	0	0	0	0	2	0	5	11	-	2	6.51	-	-	-																																																						
Belfast, Malone*	35	11.3	3.1	7.2	-	17.2	8	-1.7	2	7.2	-	-	61	-	18	21	15	10	0	-	1	0	0	0	3	18	-	-	6.20	-	-	-																																																						
Newtownabbey	99	32	11.3	4.2	7.7	-	17.2	8	1.1	2,3,4	7.6	-	61	-	11	21	16	10	1	0	4	0	0	0	0	12	-	1	6.13	-	-	8																																																						
Woodburn, North	99	217	9.8	1.2	5.5	-	15.6	8	-4.4	20	-	-	69	88	14	21	15	11	1	0	1	1	1	3	11	17	-	-	-	-	-	-																																																						
Larne ...	99	43	11.4	2.6	7.0	-	15.6	25	-1.7	20	-	-	63	93	11	24	15	12	0	0	0	0	0	0	5	-	-	-	-	-	-	-																																																						
Kilroot ...	99	22	11.1	2.8	6.9	-	16.1	8	-1.1	6,20	-	-	61	-	13	24	13	11	0	0	0	0	0	0	4	12	-	-	-	-	-	-																																																						
Ballylumford ...	99	24	10.9	3.8	7.8	-	15.6	8	-0.6	3	-	-	44	-	10	21	14	10	0	-	0	0	0	-	1	10	-	-	-	-	-	-																																																						
<b>Down</b>																																																																																						
Hillsborough §	99	116	10.7	2.3	6.5	-1.1	16.7	8	-1.7	2,5,20	6.7	6.0	58	104	15	21	11	9	0	0	0	0	0	0	10	17	-	-	5.63	117	-	-																																																						
Kilkeel ...	21-9	18	10.4	4.1	7.3	-0.8	14.0	10	0.1	3	-	-	58	-	15	10	15	10	0	0	0	0	0	0	0	10	8	-	-	6.79	-	-																																																						
Tollymore Park	99	76	10.7	3.2	6.9	-	14.4	4,25	-0.6	2,20	-	-	58	69	12	10	13	10	0	0	0	0	0	0	2	10	-	-	-	-	-	-																																																						
Rosetta ...	99	24	11.1	3.0	7.1	-	17.2	8	-1.7	20	-	-	55	-	17	21	14	11	0	0	0	0	0	0	4	-	-	-	-	-	-	-																																																						
Murlough ...	99	9	11.4	1.3	6.3	-	16.1	25	-7.2	20	6.7	6.2	50	-	11	11	14	9	2	0	1	0	0	0	8	18	-	0	6.13	-	-	-																																																						
Stormont Castle	99	56	11.0	3.4	7.2	-	16.1	8	0.6	1,2,20	7.4	6.7	55	93	14	21	15	10	1	0	0	1	0	2	0	14	-	0	6.20	-	-	-																																																						
Downpatrick ...	99	36	11.6	3.4	7.5	-	14.4	8,25	-1.1	20	-	-	55	-	10	23	12	9	-	-	-	-	-	0	2	15	-	-	-	-	-	-																																																						
Creighton's Green	99	119	10.3	3.0	6.7	-	16.1	8	-1.1	20	-	-	58	-	15	21	14	10	1	0	1	0	0	0	1	16	-	1	-	-	-	-																																																						
Reagh Island**	99	12	10.8	3.6	7.2	-	14.4	4	-1.7	3	-	-	50	-	9	21	14	11	-	-	-	-	1	1	13	-	-	-	6.15	-	-	-																																																						
Helen's Bay ...	99	43	11.2	3.7	7.5	-	16.1	8	0.0	20	-	-	52	-	12	21	15	9	1	0	0	5	1	0	1	14	-	1	6.51	-	-	-																																																						
Killough ...	21-9	15	9.8	3.3	6.5	-	14.7	10	-0.1	4	-	-	51	-	11	21	12	10	0	0	0	0	1	0	1	9	-	2	-	-	-	-																																																						
Ballyhalbert ...	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.01	-	-	-																																																						
<b>Armagh</b>																																																																																						
Armagh ¶	99	62	12.7	2.3	7.5	-0.8	17.8	8	-2.8	20	8.4	7.2	65	122	19	24	15	7	0	0	0	0	0	0	8	17	-	2	6.16	128	-	-																																																						
Loughgall ...	99	25	11.9	1.6	6.7	-	17.8	8	-4.4	20	-	-	64	133	20	24	15	8	0	0	0	0	0	1	12	18	-	0	6.58	-	-	-																																																						
Bessbrook ...	-	76	-	-	-	-	-	-	-	-	-	-	70	116	12	24	13	9	-	-	-	-	-	-	-	-	-	-	-	6.40	131	-	-																																																					
Portadown ...	99	16	12.1	2.3	7.2	-	18.3	8	-4.4	20	7.9	7.4	64	-	14	24	13	9	0	-	0	0	0	-	8	18	-	0	-	-	-	-																																																						
Lurgan ...	99	55	11.9	2.2	7.1	-	17.8	8	-2.8	2	7.3	6.8	54	-	11	24	14	9	-	-	-	-	-	-	10	6	-	-	6.35	-	-	-																																																						
<b>Tyrone</b>																																																																																						
Lough Bradan ...	99	169	10.9	1.4	6.1	-	16.7	8	-2.2	4	-	-	87	-	14	11,14	17	14	-	0	-	-	-	0	7	18	-	-	6.06	-	-	-																																																						
Baronscourt Forest																																																																																						



TABLE IV

—SUMMARY OF OBSERVATIONS AT FIXED HOURS

APRIL,

1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktae)					VISIBILITY (Metres and Kilometres)							WIND SPEED AND DIRECTION																			
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-2	3-5	6-7	8	9	0-10 m.	40-100 m.	200-300 m.	400-500 m.	1000-1900 m.	2000-3000 m.	4-9 km.	10-19 km.	20-30 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
																									SPEED IN KNOTS														
																									8 or more	9-11	12-13	14-16	17-20										
																									24 or more	22-23	24-25	26-27	28-30										
Number of Observations																																							
0 SCOTLAND, N.																																							
Lerwick [Zetland]																																							
83	3	1011.3	-	3.9	0.5	7.5	92	6.0	0	5	6	6	11	2	0	1	1	0	0	0	8	9	8	3	0	5	18	7	0	6	22	2	4	3	3	6	4		
	9	1011.7	+0.6	5.4	0.9	7.8	87	6.8	0	0	5	15	7	3	0	0	1	0	2	0	6	4	11	5	0	3	20	7	0	5	3	2	4	5	3	6	2		
	15	1012.0	-	6.1	1.1	7.9	84	6.3	0	1	7	14	6	2	0	0	1	1	0	0	4	6	12	6	0	4	23	3	0	6	3	0	5	5	5	4	2		
	21	1012.3	-	4.3	0.5	7.6	91	6.1	1	2	6	9	12	0	0	0	0	1	0	1	5	11	8	4	0	4	20	4	2	5	2	3	2	4	8	1	3		
Kirkwall [Orkney]																																							
26	3	1012.2	-	4.3	0.8	7.3	88	5.4	2	4	7	6	11	0	0	0	0	0	0	5	6	13	6	0	3	18	9	0	5	2	4	2	6	2	6	3	4		
	9	1012.6	+1.0	6.2	1.4	7.6	80	6.1	1	3	4	13	8	1	0	0	0	1	0	0	4	6	12	7	0	7	19	4	0	5	2	3	4	4	2	3	4		
	15	1012.8	-	7.3	2.1	7.3	72	6.0	0	2	7	13	8	0	0	0	0	1	0	5	3	8	13	0	8	20	2	0	5	2	1	7	2	2	6	5			
	21	1013.1	-	4.8	1.0	7.2	88	5.3	1	4	9	12	4	0	0	0	0	0	1	5	6	11	7	0	5	19	5	1	4	3	4	3	4	3	5	3			
Wick [Caithness]																																							
37	3	1012.1	-	3.8	0.7	7.1	89	5.2	2	6	4	11	7	0	0	0	0	0	0	6	8	11	5	1	1	11	16	1	1	1	3	3	2	4	10	5			
	9	1012.6	+0.6	6.3	1.6	7.4	78	5.6	1	5	4	12	7	1	0	1	1	1	1	1	8	4	13	1	5	15	9	0	5	2	1	6	4	4	4	4			
	15	1012.7	-	7.2	1.9	7.5	74	5.9	1	2	6	13	8	0	0	0	0	1	0	4	8	4	13	0	8	16	6	0	5	2	3	6	2	0	7	5			
	21	1013.0	-	4.6	1.0	7.1	84	4.5	1	8	6	11	4	0	0	0	0	0	0	7	6	8	9	0	3	12	15	0	3	2	2	5	5	3	6	4			
Cape Wrath* [Sutherland]																																							
113	3	1011.8	-	5.1	0.9	7.5	85	5.2	0	6	9	6	9	0	0	0	0	0	0	0	1	9	20	1	4	15	10	0	2	3	4	4	1	8	5	3			
	9	1012.4	-	5.9	1.1	7.7	84	5.7	0	4	8	10	8	0	0	0	0	0	0	0	2	12	16	2	4	13	9	2	1	2	4	4	1	9	4	3			
	15	1012.4	-	6.7	1.3	7.9	80	5.8	0	3	8	9	10	0	0	0	0	0	0	0	3	8	19	1	4	16	6	3	2	2	4	3	0	9	4	3			
	21	1012.3	-	5.7	1.3	7.5	82	5.5	0	2	10	11	7	0	0	0	0	0	0	0	1	13	16	1	5	15	5	4	2	2	3	5	0	9	2	3			
Stornoway [Ross & Cromarty]																																							
5	3	1012.7	-	3.9	0.5	7.5	92	4.2	4	8	6	5	7	0	0	1	0	0	0	1	7	8	13	1	1	8	16	4	4	1	2	4	4	6	2	3			
	9	1013.4	+1.4	6.8	1.2	8.2	82	5.2	1	5	6	13	5	0	0	0	0	0	0	3	9	7	11	0	3	17	10	0	4	1	3	6	5	5	4	2			
	15	1013.1	-	8.6	2.1	8.1	72	5.2	2	4	7	11	6	0	0	0	0	0	0	1	6	8	15	0	2	20	7	1	5	3	3	2	4	3	6	3			
	21	1013.2	-	5.0	0.7	7.9	89	3.8	2	9	11	3	5	0	0	0	0	0	0	4	5	10	11	0	0	14	14	2	5	2	4	1	5	5	5	1			
Benbecula [Inverness]																																							
6	3	1012.9	-	5.2	0.8	7.7	87	4.4	4	6	5	12	3	0	0	0	0	0	0	4	4	13	9	0	3	12	11	4	4	2	2	7	3	2	4	2			
	9	1013.7	+1.2	7.4	1.5	8.1	78	5.2	1	7	4	14	4	0	0	0	0	0	0	3	6	8	13	0	4	20	6	0	3	1	2	7	5	4	4	4			
	15	1013.5	-	8.9	2.2	8.1	71	4.7	2	6	7	12	3	0	0	0	0	0	0	3	6	7	14	0	5	22	3	0	2	2	3	5	4	6	5	3			
	21	1013.6	-	6.0	1.1	7.8	82	4.6	1	9	6	12	2	0	0	0	0	0	0	1	7	14	8	0	2	13	14	1	3	4	3	3	4	3	5	4			
1 SCOTLAND, E.																																							
Kinloss [Moray]																																							
6	3	1013.0	-	3.9	1.1	6.7	82	4.9	2	8	4	9	7	0	0	0	1	0	0	2	5	11	11	0	0	10	19	1	2	1	3	1	3	13	5	1			
	9	1013.5	+1.0	6.8	1.9	7.2	73	5.8	1	3	4	16	6	0	0	0	0	0	0	5	3	5	17	0	2	15	12	1	2	1	5	0	1	10	7	3			
	15	1013.1	-	9.0	3.0	7.1	63	5.8	1	2	7	13	7	0	0	0	0	0	0	2	7	8	13	0	4	19	7	0	6	0	4	3	0	3	7	7			
	21	1013.7	-	5.4	1.4	7.0	78	5.1	0	7	5	15	3	0	0	0	0	0	0	5	5	8	12	0	0	12	15	3	1	1	4	3	4	6	6	2			
Dyce [Aberdeen]																																							
59	3	1013.0	-	2.9	0.7	6.6	87	3.9	6	8	3	8	5	0	0	0	1	0	4	4	11	9	1	0	1	12	10	7	0	0	3	0	1	4	10	5			
	9	1013.5	+0.5	6.1	1.6	7.2	76	5.7	1	4	4	14	5	2	0	0	1	1	1	5	9	8	4	0	3	15	10	2	3	0	3	2	2	4	8	6			
	15	1013.2	-	8.0	2.4	7.2	69	6.0	1	1	9	12	7	0	0	0	0	1	3	6	12	4	4	0	4	16	10	0	6	0	5	5	1	3	5				
	21	1013.8	-	4.6	1.0	7.2	84	5.0	1	7	6	9	6	1	0	0	1	1	2	10	8	8	0	0	0	10	17	3	3	0	3	2	2	5	9				
Fraserburgh [Aberdeen]																																							
22	3	1013.0	-	4.9	1.0	7.3	84	5.0	3	5	7	6	8	1	0	0	1	0	0	4	14	11	0	2	1	10	15	2	7	1	2	1	4	3	9	1			
	9	1013.3	-	5.9	1.2	7.6	82	5.7	1	3	8	9	9	0	0	0	1	0	4	2	7	15	1	1	5	12	11	1	6	0	2	2	4	2	11	2			
	15	1013.3	-	7.1	1.5	7.9	78	6.1	1	2	5	13	9	0	0	0	0	0	1	6	7	16	0	0	9	7	13	1	8	1	2	4	4	0	8	2			
	21	1013.5	-	5.7	1.0	7.7	84	5.7	2	2	9	8	9	0	0	0	0	0	2	6	10	12	0	0	6	7	16	1	8	0	2	2	8	1	7	1			
Usan [Angus]																																							
35	3	1013.2	-	4.0	0.5	7.4	90	3.8	3	13	2	4	7	1	0	0	1	0	1	1	2	3	4	18	0	2	9	17	2	6	0	1	2	2	2	9	6		
	9	1013.6	-	6.2	1.0	8.1	85	5.4	0	5	9	9	6	1	0	0	1	1	0	3	5	2	18	0	2	11	14	3	6	0	4	2	1	3	7	4			
	15	1013.3	-	7.8	1.4	8.5	82	5.4	0	7	6	7	8	2	0	1	0	1	2	0	6	6	13	0	4	9	15	2	6	1	5	0	8	3	5	0			
	21	1013.8	-	5.3	0.7	8.0	89	4.2	1	12	5	4	5	3	1	1	1	0	0	2	3	5	16	0	0	12	12	6	6	0	4	1	0	2	10	1			
Leuchars [Fife]																																							
12	3	1013.4	-	3.4	0.8	6.8	86	4.7	1	7	7	10	4	1	0	0	1	0	0	1	6	0	12	10	0	1	8	18	3	0	0	3	0	1	8	14	1		
	9	1013.9	+0.5	6.4	1.6	7.3	76	6.0	0	3	6	12	8	1	0	0	1	0	2	2	6	8	11	0	2	16	11	1	3	1	4	1	0	6	10	4			
	15	1013.4	-	8.8	2.5	7.6	68	6.0	0	2	7	14	7	0	0	0	1	1	2	5	7	14	0	7	14	0	7	14	4	2	1	11	2	0	2	6	5		
	21	1014.0	-	5.1	1.1	7.3	82	4.9	1	9	3	10	6	1	0	1	0	1	2	1	2	3	10	10	0	1	12	9	8	3	2	3	1	0	5	7	1		
Turnhouse [Midlothian]																																							
44	3	1013.9	-	3.1	0.7	6.8	88	4.3	4	6	6	7	6	1	0	0	1	0	0	1	5	11	9	3	0	1	8	16	5	1	3	3	0	2	6	10	0		
	9	1014.4	+0.6	6.5	1.7	7.3	75	5.7	1	3	8	9	8	1	0	1	1	1	3	2	12	5	5	0	0	11	16	3	1	4	5	0	1	7	7	2			
	15	1013.7	-	9.0	2.9	7.2	68	5.2	0	4	10	8	8	0	0	0	0	0	3	4	5	8	10	0	2	14	13	1	1	9	2	0	2	1	10	4			



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS APRIL, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)								WIND SPEED AND DIRECTION																	
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-19 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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
																									SPEED IN KNOTS														
																									8 or more	22-33	11-21	1-10	0										
																									34 or more	22-33	11-21	1-10	0										
Number of Observations																																							
6a. SCOTLAND, W. — contd.																																							
Lowther Hill [Lanark]																																							
-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
21	3	1014.0	-	3.5	0.7	7.0	88	3.8	7	8	1	10	4	0	0	0	0	0	0	0	5	11	11	3	0	1	4	20	5	2	5	2	4	4	2	5			
-	9	1014.5	+0.2	7.2	1.7	7.7	76	5.2	0	5	9	10	6	0	0	0	0	0	1	6	10	6	7	0	1	9	15	5	0	1	5	4	2	3	4	6			
-	15	1013.9	-	9.9	2.9	7.7	64	5.0	0	6	9	10	5	0	0	0	0	0	0	4	5	8	13	0	2	10	18	0	1	0	3	1	2	1	11	11			
-	21	1014.6	-	6.1	1.2	7.7	81	4.2	0	10	9	7	4	0	0	0	0	0	2	6	10	6	6	0	2	7	16	5	3	0	3	1	4	1	5	8			
Eskdalmuir [Dumfries]																																							
237	3	1014.6	-	1.8	0.7	6.2	87	3.2	6	11	3	5	4	1	0	1	0	0	1	1	5	9	8	5	0	2	5	11	12	5	1	1	2	0	5	4	0		
-	9	1014.6	+0.5	5.3	1.7	6.7	74	5.0	2	8	2	11	7	0	0	0	0	1	2	4	8	10	5	0	2	7	13	8	1	5	3	2	2	2	3	4			
-	15	1013.8	-	8.4	2.6	7.2	66	5.5	0	5	9	7	9	0	0	0	0	3	2	2	5	11	7	0	2	17	9	2	3	1	6	2	4	4	4	4			
-	21	1015.0	-	4.1	1.2	6.8	81	4.6	2	10	4	5	9	0	0	0	0	2	3	3	8	13	1	0	3	10	12	5	3	3	1	1	3	3	6	5			
Mull of Galloway [Wigtown]																																							
79	3	1014.4	-	5.0	0.7	7.8	89	3.2	11	5	5	3	5	1	0	1	0	0	0	0	2	0	18	9	3	3	14	10	0	7	1	5	2	4	6	2	3		
-	9	1015.2	-	6.5	1.1	8.2	85	4.4	5	6	5	3	10	1	0	0	1	0	0	1	5	21	1	1	4	17	8	0	3	3	6	4	3	3	3	5			
-	15	1014.8	-	8.7	1.8	8.5	75	4.1	6	6	6	3	9	0	0	0	0	0	1	2	4	20	3	1	10	10	9	0	2	0	4	1	9	2	2	10			
-	21	1015.1	-	6.3	1.1	8.0	84	3.4	5	10	5	6	3	1	0	1	0	0	0	0	4	18	7	0	14	9	7	0	5	1	3	2	6	4	3	6			
6b. ISLE OF MAN																																							
Ronaldsway																																							
21	3	1014.2	-	5.2	0.9	7.7	86	4.3	4	7	6	5	7	1	0	0	0	1	0	2	6	8	7	6	0	2	10	17	1	4	4	5	1	0	3	6	6		
-	9	1014.7	-	7.3	1.5	8.1	79	5.6	1	5	6	9	9	0	0	0	0	0	3	2	10	6	9	1	1	12	15	1	1	1	10	0	3	3	6	5			
-	15	1014.5	-	9.1	2.2	8.2	70	4.4	2	9	6	7	6	0	0	0	0	0	3	4	6	4	13	0	3	11	16	0	1	0	9	1	4	3	6	6			
-	21	1015.0	-	6.6	1.3	7.9	81	4.8	2	5	8	11	4	0	0	0	0	0	2	3	9	7	9	0	1	12	17	0	9	3	2	0	3	4	5	4			
Point of Ayre																																							
9	3	1014.5	-	5.1	0.6	8.0	90	3.7	7	6	6	6	5	0	0	0	0	0	0	5	6	10	9	0	4	13	12	1	1	3	3	3	5	4	7	3			
-	9	1015.3	-	7.2	1.3	8.3	82	5.4	0	4	10	8	8	0	0	0	0	0	1	6	5	15	3	1	1	14	12	2	1	3	4	4	4	1	7	4			
-	15	1014.9	-	9.4	2.1	8.6	73	4.9	2	7	4	10	7	0	0	0	0	0	0	1	7	16	6	0	5	9	14	2	3	0	4	3	2	3	9	4			
-	21	1015.3	-	6.2	0.9	8.2	86	4.4	2	10	6	7	5	0	0	0	0	0	0	3	5	13	9	0	2	16	11	1	1	3	4	1	4	3	6	7			
2. ENGLAND, N.E.																																							
Acklington [Northumberland]																																							
46	3	1013.8	-	3.5	0.8	6.9	87	4.1	8	5	2	8	5	2	0	1	1	0	1	2	3	7	14	1	0	1	4	25	0	3	1	3	1	1	2	13	6		
-	9	1014.0	+0.1	6.6	1.7	7.4	76	5.7	2	5	1	14	8	0	0	0	0	4	0	1	3	11	7	4	0	5	9	16	0	4	3	3	3	2	3	5	7		
-	15	1013.8	-	8.2	2.4	7.4	69	5.8	0	3	9	9	9	0	0	0	0	2	1	0	6	7	7	7	0	5	9	15	1	5	3	7	2	2	3	3	4		
-	21	1014.4	-	4.7	1.0	7.3	85	4.2	2	10	5	7	5	1	0	1	0	0	1	3	6	11	6	2	0	1	7	19	3	3	1	3	1	2	3	8	6		
Tynemouth [Northumberland]																																							
40	3	1014.3	-	4.8	1.1	7.3	83	3.8	8	5	6	4	5	2	0	2	0	0	0	3	2	7	16	0	0	1	15	11	3	1	0	3	1	3	0	14	5		
-	9	1014.5	0.0	6.1	1.3	7.6	81	5.6	3	2	7	6	10	2	0	1	0	1	2	4	7	12	3	0	0	3	11	11	5	8	0	2	1	1	1	9	3		
-	15	1014.4	-	7.4	1.8	7.7	76	5.9	3	2	4	8	12	1	0	1	0	0	1	3	6	7	12	0	0	4	12	12	2	6	1	5	3	2	3	5	3		
-	21	1014.8	-	6.2	1.2	7.8	82	4.1	6	5	7	4	7	1	0	0	1	0	0	5	5	14	5	0	0	1	13	13	3	4	0	3	2	1	3	10	4		
Seahouses [Northumberland]																																							
12	3	1014.1	-	4.7	0.9	7.4	86	4.3	2	10	4	8	5	1	0	1	0	0	0	3	2	10	13	1	1	0	9	17	3	6	0	2	0	3	3	11	2		
-	9	1014.3	-	6.3	1.3	7.7	80	5.5	1	5	3	13	6	2	0	1	0	1	2	1	1	5	11	8	1	1	12	15	1	7	0	7	0	2	3	5	5		
-	15	1014.3	-	7.5	1.6	8.0	78	5.2	0	5	11	8	4	2	0	0	0	3	0	1	6	4	6	10	0	3	13	14	0	5	2	6	3	5	2	4	3		
-	21	1014.4	-	5.7	1.1	7.6	82	4.2	1	12	2	10	4	1	0	0	0	1	0	3	6	5	10	5	0	1	9	20	0	3	1	3	1	4	6	7	5		
Leeming [Yorks, N. Riding]																																							
33	3	1014.5	-	3.9	1.0	6.9	84	4.2	5	9	1	7	7	1	0	1	0	0	1	3	8	4	6	7	0	2	1	19	8	4	0	1	0	5	2	3	7		
-	9	1014.7	-	6.9	1.9	7.3	73	5.2	3	5	2	12	8	0	0	0	1	0	0	4	6	7	8	4	0	2	10	16	2	9	1	1	1	4	1	6	5		
-	15	1014.4	-	9.9	3.3	7.3	61	5.6	0	6	4	14	6	0	0	0	0	0	1	1	7	5	2	14	0	2	10	18	0	9	5	2	1	3	4	3	3		
-	21	1015.0	-	6.4	1.6	7.4	77	3.8	5	9	5	4	7	0	0	0	0	1	0	1	7	6	8	7	0	0	4	25	1	5	0	2	1	4	6	6	5		
Whitby C.G. [Yorks, N. Riding]																																							
66	3	1013.8	-	4.5	1.0	7.1	84	4.5	5	5	7	5	5	3	0	1	1	1	0	1	7	17	2	0	0	2	15	12	1	3	1	3	1	5	8	4	4		
-	9	1013.8	-	6.0	1.3	7.6	81	5.1	3	2	10	6	7	2	0	2	0	1	1	0	5	18	3	0	0	5	12	9	4	5	2	1	1	1	4	2	10		
-	15	1013.9	-	7.4	1.7	7.8	77	5.3	2	1	12	6	8	1	0	1	0	0	0	1	5	15	8	0	0	1	14	12	3	6	3	3	2	1	4	1	7		
-	21	1014.4	-	5.9	1.2	7.7	82	4.5	3	8	6	4	7	2	0	1	0	1	0	1	3	20	4	0	0	1	11	15	3	4	1	0	4	5	7	4	2		
Leconfield [Yorks, E. Riding]																																							
9	3	1014.8	0.0	6.4	1.4	7.7	80	6.0	1	2	7	18	10	2	0	2	0	0	1	2	13	6	5	1	0	2	14	13	1	5	2	6	0	1	3	6	6		
-	9	1014.2	-	9.2	2.5	7.9	69	5.7	1	3	8	11	7	0	0	0	0	0	1	1	8	11	9	0	0	1	18	10	1	6	2	6	1	3	3	5	3		
-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS

APRIL,

1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Okta)					VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION															
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
																									SPEED IN KNOTS													
																									34 or more	22-33	11-21	1-10	0									
																									Number of Observations													
3.	ENGLAND, E. - contd.																																					
Mildenhall (Suffolk)	12	3	1015.3	-	4.3	0.9	7.4	87	3.7	12	3	2	2	10	1	0	1	1	0	0	1	10	17	0	0	0	0	4	23	3	2	2	2	0	4	4	9	4
	9	3	1015.6	0.0	7.8	1.7	8.3	77	5.3	4	2	4	13	7	0	0	0	0	0	2	0	2	8	11	6	1	0	1	10	15	4	2	4	1	1	5	5	5
	15	3	1014.5	-	11.9	3.6	8.3	59	5.3	3	2	6	16	3	0	0	0	0	0	0	0	4	11	11	4	0	1	15	12	2	4	1	4	1	3	5	5	
	21	3	1016.1	-	7.1	1.5	8.2	80	3.9	7	6	4	10	3	0	0	0	0	0	0	1	9	9	11	0	0	0	3	26	1	2	3	5	2	5	5	2	
Wattisham (Suffolk)	91	3	1015.3	-	3.7	0.7	7.1	87	3.0	12	5	4	4	5	0	0	0	0	0	0	1	16	8	5	0	0	1	7	20	2	1	4	1	1	3	7	5	
	9	3	1015.5	-	7.5	1.7	8.0	77	5.0	4	3	6	11	6	0	0	0	0	0	2	3	10	8	6	1	0	1	13	16	0	8	4	2	1	2	4	7	
	15	3	1014.5	-	11.0	3.5	7.8	59	5.5	3	3	2	20	2	0	0	0	0	0	0	2	10	17	1	0	2	16	11	1	4	3	2	2	3	3	7	5	
	21	3	1016.1	-	6.0	1.2	7.8	82	4.1	7	4	7	8	4	0	0	0	0	0	2	11	11	6	0	0	1	6	19	4	4	4	2	0	6	1	6	3	
Aldeburgh (Suffolk)	9	3	1015.0	-	-	-	-	-	2.5	19	0	3	1	7	0	0	0	0	0	0	0	7	22	0	1	1	1	7	18	3	2	4	0	2	1	5	7	6
	9	3	1015.5	-	-	-	-	-	4.8	6	1	7	10	6	0	0	0	0	0	1	2	10	17	0	0	1	11	17	0	1	8	1	2	1	5	7	7	
	15	3	1014.7	-	-	-	-	-	4.8	6	1	5	14	4	0	0	0	0	0	1	10	19	0	0	1	3	8	18	0	6	7	3	3	6	1	4	0	
	21	3	1015.8	-	-	-	-	-	3.4	16	0	0	5	9	0	0	0	0	0	1	11	17	0	0	0	5	6	15	4	2	5	1	4	3	3	4	4	
Wyton (Hunts)	43	3	1015.3	-	4.0	0.9	7.1	86	3.8	10	2	6	3	8	1	0	1	0	0	0	1	8	17	2	1	0	0	6	22	2	5	0	1	1	1	7	7	6
	9	3	1015.5	-	7.9	1.8	8.0	75	5.5	2	4	5	11	7	1	0	1	0	0	0	2	9	12	6	0	0	1	13	16	0	4	5	2	1	2	5	6	5
	15	3	1014.4	-	11.9	3.8	7.9	56	5.1	3	2	8	15	2	0	0	0	0	0	0	0	5	9	12	4	0	1	15	13	1	5	7	1	0	3	7	4	2
	21	3	1016.0	-	6.8	1.7	7.7	77	3.6	6	10	2	8	4	0	0	0	0	0	0	1	9	13	7	0	0	0	5	23	2	5	2	4	1	1	6	6	3
Cardington (Bedford)	29	3	1015.5	-	3.6	0.7	7.2	89	3.4	12	4	3	1	9	1	0	0	1	0	1	1	11	14	1	1	0	1	5	23	1	2	3	2	1	1	8	9	3
	9	3	1015.6	-0.2	8.1	1.8	8.2	75	4.9	2	5	7	12	3	1	0	0	1	0	1	11	11	5	1	0	0	1	12	17	0	3	7	2	1	1	7	6	3
	15	3	1014.5	-	12.2	3.9	8.0	56	4.6	2	5	9	12	2	0	0	0	0	0	0	6	9	14	1	0	2	12	16	0	5	6	1	1	3	6	6	2	
	21	3	1016.0	-	7.0	1.5	7.9	78	3.8	9	3	4	12	2	0	0	0	0	0	0	6	23	1	0	0	0	1	7	21	1	1	7	3	0	2	8	6	2
Stansted (Essex)	102	3	1015.6	-	4.2	0.8	7.4	88	3.2	13	4	3	1	9	0	0	0	0	0	0	4	15	11	0	0	0	0	7	17	6	3	3	1	2	2	5	6	2
	9	3	1015.8	-	7.8	1.7	8.2	76	4.5	4	4	8	10	4	0	0	0	0	0	0	4	8	12	6	0	0	1	11	18	0	6	4	4	0	2	7	4	3
	15	3	1014.6	-	11.5	3.5	8.0	59	5.0	3	2	10	12	3	0	0	0	0	0	0	2	9	19	0	0	1	19	8	2	6	2	3	0	4	6	5	2	
	21	3	1016.4	-	6.7	1.5	7.7	87	3.7	8	3	8	11	0	0	0	0	0	0	0	6	16	8	0	0	0	0	5	19	6	2	3	4	0	3	7	4	1
Shoeburyness (Essex)	5	3	1015.4	-0.7	8.6	1.9	8.4	74	4.4	3	5	11	5	6	0	0	0	0	1	1	2	12	9	3	2	0	1	15	13	1	6	4	1	2	0	6	6	4
	9	3	1014.6	-	11.0	3.0	8.5	64	5.2	3	3	6	13	5	0	0	0	0	0	0	4	4	8	11	3	0	2	20	8	0	4	3	3	5	3	5	6	1
	15	3	1015.9	-	7.1	1.5	8.1	79	3.4	8	7	5	6	4	0	0	0	0	0	1	2	7	10	8	2	0	0	8	21	1	3	6	2	0	4	8	1	5
Walton-on-Naze (Essex)	8	3	1015.4	-	5.4	0.8	8.0	89	2.8	13	6	3	2	6	0	0	0	0	0	0	2	12	16	0	0	0	2	5	19	4	3	4	0	2	0	3	5	9
	9	3	1015.8	-	8.2	1.7	8.5	77	4.3	5	7	5	7	8	0	0	0	0	0	0	7	12	11	0	0	0	2	11	16	1	4	6	1	2	2	5	3	6
	15	3	1014.9	-	9.8	2.6	8.3	68	4.9	5	1	10	10	4	0	0	0	0	0	0	3	12	15	0	0	4	10	16	0	3	4	3	2	7	3	3	5	
	21	3	1016.2	-	7.1	1.2	8.4	88	3.0	11	6	4	4	5	0	0	0	0	0	0	1	15	14	0	0	0	1	9	18	2	4	6	1	1	4	4	6	2
4.	MIDLAND COUNTIES																																					
Huddersfield Oaks (Yorks. W.R.)	234	3	1014.0	-	3.0	1.4	5.9	76	4.7	9	2	2	4	12	1	1	0	0	1	3	7	10	6	2	0	0	2	8	13	7	4	2	1	0	2	1	5	8
	9	3	1014.7	-	5.6	1.2	7.5	81	5.5	3	3	5	9	10	0	0	0	0	2	4	5	9	5	5	0	0	1	6	23	0	6	5	4	0	1	1	10	3
	15	3	1014.0	-	9.3	2.8	7.6	66	5.3	1	4	8	10	7	0	0	1	0	0	0	4	8	5	12	0	0	0	13	17	0	5	3	4	0	2	3	9	4
	21	3	1014.9	-	5.2	1.2	7.3	81	3.0	14	3	2	5	6	0	0	0	0	1	1	2	9	12	5	0	0	1	7	20	2	1	4	3	0	0	2	13	5
Watnall (Nottingham)	119	3	1015.1	-	3.8	0.6	7.4	90	3.6	10	4	6	3	6	1	0	1	0	0	3	3	14	7	2	0	0	0	9	19	2	4	2	1	1	1	4	13	2
	9	3	1015.2	-0.5	7.0	1.5	8.0	78	5.8	1	4	3	14	7	1	0	1	0	0	5	7	7	8	2	0	0	1	13	13	3	3	7	1	0	1	6	6	3
	15	3	1014.2	-	10.1	2.9	7.9	65	5.3	3	2	6	14	5	0	0	0	0	2	1	8	9	10	0	0	1	14	13	2	5	4	5	0	0	6	5	3	
	21	3	1015.7	-	6.1	1.3	7.6	80	3.0	6	11	4	7	2	0	0	0	0	0	3	3	14	8	2	0	0	0	7	20	3	1	4	4	1	1	7	6	3
Finningley (Nottingham)	14	3	1014.9	-	4.5	0.8	7.5	88	3.6	14	1	3	2	8	2	0	2	0	0	1	2	14	8	1	2	0	0	6	18	6	3	2	1	0	2	3	4	9
	9	3	1015.0	-0.2	7.4	1.5	8.1	79	5.7	2	3	5	9	10	1	0	1	0	1	2	2	11	7	5	1	0	3	11	13	3	8	2	4	0	1	3	3	6
	15	3	1014.3	-	10.7	2.8	8.5	67	5.4	1	4	8	11	6	0	0	0	0	0	0	3	8	10	8	1	0	2	15	13	0	5	4	6	1	2	2	4	6
	21	3	1015.5	-	6.8	1.4	8.0	80	3.4	9	8	0	8	5	0	0	0	1	0	0	1	11	14	3	0	0	0	7	19	4	4	2	0	3	3	3	6	5
Wittering (Northampton)	67	3	1015.0	-	4.0	0.6	7.4	89	3.8	11	4	2	5	7	1	0	1	0	0	0	2	9	17	1	0	0	0	15	12	3	4	3	1	0	2	6	7	4
	9	3	1015.2	-0.5	7.5	1.4	8.4	80	5.5	1	4	6	13	6	0	0	0	1	0	0	1	9	13	5	1	0	2	15	13	0	7	3	3	0	2	4	5	6
	15	3	1014.2	-	11.2	3.1	8.5	64	5.0	4	2	6	16	2	0	0	0	0	0	0	1	3	6	15	5	0	5	15	10	0	6	4	2	3	0	5	5	5
	21	3	1015.7	-	6.5	1.2	8.0																															



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS APRIL, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)								WIND SPEED AND DIRECTION															
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-10 m.	40-100 m.	200-300 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																									SPEED IN KNOTS												
																									0 or more	1-3	4-5	6-7	8 or more								
Number of Observations																																					
4. MIDLAND COUNTIES — contd.																																					
Little Rissington [Gloucester]																																					
229	3	1016.0	-	4.2	0.8	7.3	87	3.7	9	6	3	4	8	0	0	0	0	0	3	7	7	7	6	0	1	4	4	3	4	1	1	1	6	5	5		
	9	1016.0	+0.1	6.7	1.6	7.6	76	4.9	0	9	5	11	5	0	0	0	0	1	2	3	9	10	4	0	3	9	17	1	5	5	1	0	5	5	5		
	15	1014.8	-	10.3	3.3	7.5	60	5.1	2	4	7	13	4	0	0	0	0	0	0	5	5	11	9	0	5	14	11	0	3	5	3	1	0	4	11	5	
	21	1016.5	-	6.7	1.8	7.3	73	3.3	9	7	4	6	4	0	0	0	0	0	0	6	11	7	6	0	1	7	21	1	2	4	3	2	1	9	4	4	
5. ENGLAND, S.E.																																					
Heathrow [Greater London]																																					
26	3	1015.7	-	5.4	1.0	7.7	84	3.3	9	7	3	5	6	0	0	0	0	0	3	11	7	9	0	0	0	8	21	1	5	4	2	1	0	6	8	3	
	9	1015.8	-	8.7	2.2	8.1	70	4.6	3	7	4	11	5	0	0	0	0	0	3	5	13	9	0	0	1	15	14	0	6	6	3	0	1	5	8	1	
	15	1014.8	-	12.3	3.9	8.1	56	5.3	2	4	5	15	4	0	0	0	0	0	0	1	16	13	0	0	4	19	6	1	5	3	2	1	3	5	7		
	21	1016.3	-	8.7	2.3	7.9	69	3.7	7	5	7	5	6	0	0	0	0	0	1	7	15	7	0	0	0	10	20	0	2	5	3	0	6	4	7		
Kew [Greater London]																																					
10	9	1016.1	0.0	9.0	2.7	7.9	67	4.4	4	6	5	8	7	0	0	0	0	0	3	11	5	9	2	0	0	12	17	1	4	4	4	1	1	7	7	1	
	15	1015.0	-	12.2	4.5	7.7	53	4.9	3	3	7	14	3	0	0	0	0	0	0	6	7	13	4	0	0	19	11	0	4	6	1	1	2	8	5	3	
	21	1016.5	-	8.3	2.7	7.5	68	3.3	5	9	8	6	2	0	0	0	0	0	0	6	15	9	0	0	0	7	20	3	2	6	2	1	5	4	6	1	
Gatwick [Surrey]																																					
59	3	1015.0	-	3.5	0.6	7.3	90	3.6	8	7	5	2	8	0	0	0	1	0	1	5	13	9	1	0	0	5	15	10	2	2	2	0	1	6	4	3	
	9	1016.2	-	8.5	2.0	8.3	74	4.7	2	6	10	7	5	0	0	0	0	0	3	11	12	3	1	0	1	8	21	0	4	6	3	1	0	6	4	6	
	15	1015.2	-	11.7	3.6	8.1	59	5.8	1	3	5	15	6	0	0	0	0	0	0	6	16	8	0	0	3	16	11	0	5	4	3	2	1	3	8	4	
	21	1016.8	-	6.9	1.6	7.8	77	4.1	4	7	6	11	2	0	0	0	0	0	2	10	15	3	0	0	0	7	19	4	2	6	1	0	2	6	6	3	
Dungeness [Kent]																																					
7	3	1015.3	-	5.5	0.9	8.0	87	3.4	15	0	3	4	7	1	0	0	0	1	0	1	10	7	11	0	0	3	9	17	1	6	2	5	0	1	3	10	2
	9	1015.9	-	8.3	1.5	8.7	79	3.8	9	2	8	6	4	1	0	0	0	1	1	0	12	9	7	0	0	1	18	11	0	6	4	5	2	4	2	5	
	15	1015.1	-	10.2	2.4	8.7	70	4.6	4	4	8	10	6	0	0	0	0	0	0	11	8	10	1	0	6	16	8	0	4	2	8	0	1	8	5	2	
	21	1016.3	-	7.4	1.2	8.6	83	3.2	12	4	4	3	6	1	0	0	0	1	0	1	5	11	12	0	0	3	10	17	0	4	4	6	0	2	3	8	3
Deal [Kent]																																					
10	3	1015.0	-	5.9	1.0	8.0	85	2.8	13	6	2	2	7	0	0	0	0	0	1	2	3	16	7	1	0	1	9	20	0	3	4	1	2	2	4	10	4
	9	1015.5	-	8.4	1.8	8.5	76	4.5	7	3	5	9	6	0	0	0	0	1	3	3	9	10	4	0	0	1	17	11	1	6	4	0	2	4	5	4	
	15	1014.7	-	10.0	2.4	8.6	70	4.8	4	3	8	13	2	0	0	0	0	0	4	10	7	9	0	0	3	18	9	0	1	6	4	1	4	6	3	5	
	21	1016.8	-	7.7	1.3	8.7	83	3.0	11	4	5	5	4	0	0	0	0	0	2	5	16	5	1	0	2	9	18	0	4	5	0	2	2	5	7	4	
Manston [Kent]																																					
15	3	1015.6	-	5.1	0.8	7.8	88	3.2	12	5	3	4	6	0	0	0	0	1	2	0	3	10	14	0	0	0	14	15	1	5	3	2	0	3	7	5	4
	9	1016.0	-	8.2	1.6	8.6	78	4.1	6	6	6	6	6	0	0	0	0	1	1	2	7	8	6	5	0	1	20	8	1	7	4	0	4	1	5	4	4
	15	1015.1	-	10.7	2.7	8.7	67	4.7	3	5	9	11	2	0	0	0	0	0	0	5	6	12	7	0	2	16	12	0	3	9	2	3	1	5	4	3	
	21	1016.5	-	6.7	1.1	8.4	84	3.5	8	5	8	5	4	0	0	0	0	1	2	3	9	13	2	0	1	15	12	2	7	6	0	1	4	9	0	1	
Thorney Island [Sussex]																																					
4	3	1016.1	-	5.6	0.8	8.2	88	3.7	9	5	5	4	7	0	0	0	0	0	1	2	7	6	13	1	0	1	9	18	2	4	5	2	0	1	5	7	4
	9	1016.4	-0.1	9.0	2.0	8.6	73	4.3	5	7	4	7	7	0	0	0	0	0	0	10	10	5	5	0	1	17	12	0	4	6	4	1	2	4	7	2	
	15	1015.6	-	11.4	3.2	8.4	62	5.5	2	4	4	14	6	0	0	0	0	0	0	5	9	9	7	0	4	15	11	0	3	3	2	1	7	3	10	1	
	21	1016.9	-	7.8	1.6	8.4	78	4.4	5	7	2	8	8	0	0	0	0	1	0	6	9	12	2	0	1	12	15	2	4	4	2	0	1	6	8	3	
East Hoathly [Sussex]																																					
41	9	1016.3	-	8.9	2.1	8.3	72	4.9	1	9	4	12	4	0	0	0	0	1	0	3	10	7	8	1	0	0	9	21	0	5	2	5	1	2	5	8	2
	15	1015.4	-	11.5	3.5	8.1	61	5.7	4	1	2	17	6	0	0	0	0	0	2	5	9	14	0	0	4	15	11	0	5	2	4	1	3	7	7	1	
	21	1016.8	-	5.9	1.1	7.9	84	4.0	8	5	4	6	6	1	0	0	0	1	0	0	8	4	13	4	0	1	4	24	1	2	3	9	3	2	3	7	0
Eastbourne C.G. [Sussex]																																					
7	9	1016.0	-0.4	9.0	1.5	9.2	79	4.5	6	4	5	7	7	0	0	0	0	1	2	10	16	0	0	1	2	8	17	1	8	0	6	1	2	2	6	3	
	15	1015.2	-	11.3	2.1	10.1	75	4.7	4	2	11	7	4	0	0	0	0	1	0	0	9	18	0	0	4	1	12	11	0	5	0	4	1	4	2	11	1
	21	1016.3	-	7.5	1.1	8.8	84	3.6	11	0	11	1	7	0	0	0	0	0	1	10	19	0	0	0	4	4	14	8	4	4	2	0	0	2	9	1	
Abingdon [Berkshire]																																					
71	3	1015.9	-	4.5	0.8	7.5	87	3.8	10	5	2	3	10	0	0	0	0	0	1	1	11	10	7	0	0	0	5	23	2	4	6	2	0	1	4	5	6
	9	1016.0	-	8.3	2.0	8.1	72	5.1	2	5	5	13	5	0	0	0	0	0	1	1	10	10	6	2	0	1	12	16	1	5	5	4	0	2	4	5	4
	15	1014.8	-	12.0	3.7	8.1	58	5.4	0	5	7	13	5	0	0	0	0	0	0	6	12	10	2	0	0	17	13	0	3	6	3	1	1	4	8	4	
	21	1016.4	-	7.9	2.0	7.8	72	3.7	6	7	6	7	4	0	0	0	0	0	0	11	12	7	0	0	0	6	23	1	3	5	3	1	2	4	6	5	
Hurn [Hampshire]																																					
14	3	1015.8	-	4.7	0.7	7.7	87	4.0	11	3	2	5	9	0	0	0	0	0	4	6	11	8	1	0	0	6	17	7	3	2	2	0	1	6	5	4	
	9	1016.2	-	9.0	2.1	8.4	71	4.5	5	5	5	11	4	0	0	0	0	0	1	10	10	5	4	0	1	11	17	1	6	6	2	2	2	4	6	1	
	15	1015.5	-	12.3	3.8	8.2	57	4.9	1	5	10	11	3	0	0	0	0	0	0	4	8	14	4	0	1	20	9	0	3	4	0	1	5	6	8	3	
	21	1016.6	-	7.5	1.6	8.1	77	3.7	6	8	4	7	5	0	0	0	0	0	2	7	13	5	3	0	0	7	22	1	4	3	4	2	2	4	7	3	
S. Farnborough [Hampshire]																																					
70	3	1016.0	-	4.2	0.8	7.4	87	3.7	10	5	3	3	9	0	0	0	0	0	3	10	10	6	1	0	1	5	18	6	2	5	1	1	1	6	6	2	
	9	1016.1	-0.2	8.7	2.1	8.3	72	5.0	1	7	4	11	6	0	0	0	0	0	2	5	6	8	0	0	1	10	19	0	3	4	6	1	1	5	6	4	
	15	1015.1	-	12.0	3.6	8																															



[illegible]



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS APRIL, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)					VISIBILITY (Metres and Kilometres)								WIND SPEED AND DIRECTION																	
								MEAN	0	1-2	3-5	6-7	8	9	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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
		8 or more	6, 7	4, 5	1, 3	Calm																																
		SPEED IN KNOTS																																				
		24 or more	22-33	11-21	1-10	0																																
Number of Observations																																						
9 NORTHERN IRELAND - contd.																																						
Aldergrove [Antrim]																																						
73	3	1014.4	-	4.0	0.7	7.3	89	4.1	4	7	6	9	4	0	0	0	0	0	0	0	1	8	15	5	1	0	1	3	24	2	5	0	4	4	5	2	4	4
	9	1014.8	+0.2	6.9	1.2	8.3	83	5.4	0	6	6	12	6	0	0	0	0	0	0	1	2	4	13	9	1	0	0	12	18	0	4	0	4	3	5	3	7	4
	15	1014.3	-	10.6	3.0	8.2	65	5.5	1	3	7	14	5	0	0	0	0	0	0	0	0	4	10	6	10	0	2	19	9	0	4	0	3	4	5	1	6	7
	21	1015.1	-	6.2	1.2	7.8	81	4.5	2	8	7	9	4	0	0	0	0	0	0	0	1	4	11	10	4	0	1	7	21	1	4	0	7	2	5	1	5	5
CHANNEL ISLANDS																																						
Guernsey																																						
110	3	1016.5	-	7.4	1.3	8.6	82	3.9	10	2	5	5	8	0	0	1	2	0	0	0	4	6	12	5	0	2	14	14	0	3	5	2	6	0	5	5	4	
	9	1017.3	-	8.7	1.5	9.0	79	5.6	1	3	8	12	6	0	0	1	1	0	0	1	0	4	5	11	7	0	3	21	5	1	1	6	2	3	2	6	4	
	15	1017.2	-	10.1	2.2	9.0	73	4.9	1	6	7	13	3	0	0	0	0	0	0	0	6	3	16	5	0	7	16	6	1	4	6	2	1	0	6	9	1	
	21	1017.8	-	7.9	1.3	8.8	81	3.7	6	6	9	5	4	0	0	0	1	0	1	1	3	9	9	6	0	3	16	9	2	2	5	5	0	2	2	8	4	

TABLE VIII—NUMBER OF DAYS IN APRIL, 1969  
WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °C.								MINIMUM TEMPERATURE °C.								STATION	MAXIMUM TEMPERATURE °C.								MINIMUM TEMPERATURE °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 .. ..	0	2	27	1	0	0	0	0	0	0	0	4	23	3	0	0	Edgbaston .. ..	0	0	10	18	1	1	0	0	0	0	0	0	2	19	9	0	0
Stornoway .. ..	0	0	18	12	0	0	0	0	0	0	0	7	19	4	0	0	Kew .. ..	0	0	6	16	5	3	0	0	0	0	0	8	12	7	3	0	
Craibstone .. ..	0	0	20	9	1	0	0	0	0	0	0	7	21	2	0	0	Hastings .. ..	0	0	11	16	3	0	0	0	0	0	0	1	15	14	0	0	
Rothsay .. ..	0	0	14	15	1	0	0	0	0	0	0	1	23	6	0	0	Southampton .. ..	0	0	2	18	8	2	0	0	0	0	0	0	18	12	0	0	
Abbots'inch .. ..	0	0	9	20	1	0	0	0	0	0	0	10	14	6	0	0	Stonyhurst .. ..	0	0	13	15	2	0	0	0	0	0	10	14	6	0	0		
Eskdalemuir .. ..	0	0	19	10	1	0	0	0	0	0	2	11	14	3	0	0	Bidston .. ..	0	0	18	11	1	0	0	0	0	0	0	20	10	0	0		
Douglas .. ..	0	0	20	10	0	0	0	0	0	0	0	1	22	7	0	0	Valley .. ..	0	0	6	22	2	0	0	0	0	0	2	17	11	0	0		
Acklington .. ..	0	0	19	11	0	0	0	0	0	0	0	7	20	3	0	0	Falmouth .. ..	0	0	4	25	1	0	0	0	0	0	0	10	20	0	0		
Gorleston .. ..	0	0	13	13	4	0	0	0	0	0	0	11	15	4	0	0	Aldergrove .. ..	0	0	5	24	1	0	0	0	0	0	7	16	7	0	0		
Cambridge .. ..	0	0	7	16	6	1	0	0	0	0	0	8	16	5	1	0	Armagh .. ..	0	0	4	25	1	0	0	0	0	0	9	15	6	0	0		

TABLE XIII—SOLAR RADIATION AND ILLUMINATION, APRIL, 1969

STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						DIFFUSE RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						TOTAL ILLUMINATION ON A HORIZONTAL SURFACE kilolux-hours					
	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days
Lerwick .. ..	560	22	87	25	313.1	30	300	30	84	25	186.5	30	564	22	93	25	315.3	30
Eskdalemuir .. ..	539	6	60	22	336.7	30	310	28	60	22	191.0	30	607	6	77	22	381.1	30
Cambridge .. ..	543	9	114	21	375.4	30	298	20	111	4	206.7	30	-	-	-	-	-	-
London W/Centre .. ..	532	6	129	11	365.1	30	256	25	118	11	187.9	30	626	5	172	11	435.0	30
Kew .. ..	528	9	120	11	375.6	30	265	29	117	11	200.7	30	641	9	164	11	446.4	30
Bracknell .. ..	551	29	101	23	367.7	30	286	25	107	23	207.5	30	720	29	146	23	494.0	30
Aberporth .. ..	686	29	90	22	443.3	30	301	27	82	22	205.6	30	-	-	-	-	-	-
Aldergrove .. ..	649	28	62	22	375.5	25	327	26	60	22	184.9	25	-	-	-	-	-	-
Jersey Airport .. ..	709	28	135	15	473.6	30	449	16	135	15	222.9	30	799	28	180	15	545.2	30



TABLE I - DISTRICT VALUES

## SCOTLAND AREA 6

The Earth Temperatures have been amended as follows:-

Year	Month	30 cm	122 cm
1968	November	+0.3	+0.2
	December	0.0	+0.3
1969	January	+0.3 *	-0.5
	February	-0.9	-0.1
	March	-1.9	-1.0 *

\* Values unchanged.

TABLE II—ADDITIONS APRIL, 1969.

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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TABLE III—ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	Max. Terminal hr. GMT Min. of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
					MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1911-50 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
					Max. (A)	Min. (B)			Maximum	Date	Minimum	Date	30 cm.	122 cm.			Amount (mm)	Date	0.2 mm or more or more	1.0 mm or more																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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# Monthly Weather Report

## OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntary observers.



Volume 86 Number 5

Published by Her Majesty's Stationery Office

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### May 1969 — *Very dull, wet and thundery*

For almost the entire month depressions were situated to the west or south-west of the British Isles and troughs of low pressure regularly crossed the country. However, on the 18th and 19th low pressure was temporarily transferred to the North Sea and a cold northerly airstream covered all districts.

**Weather** — The weather was very changeable throughout the month and periods of thundery rain alternated with brighter, though showery, interludes. Some of the rain was heavy and thunderstorms occurred frequently, particularly in England. Flooding was reported from many places and was widespread and severe at times in the Midlands. Outdoor sports were often curtailed. Farmers were again handicapped by waterlogged fields especially in the east Midlands and one farmer in East Anglia sowed barley by dropping seed from an aircraft.

**Wind** — Winds were unexceptional during the month and there were no noteworthy gusts. Gales were reported locally near the south coast on three days and in South Wales on two days.

**Temperature** — Mean temperature was about 1 deg C below normal in most of Scotland. Elsewhere it was near normal and it was slightly above average in parts of the Midlands and eastern England.

The month began rather cold especially in the north. The 3rd was a day of contrasts when maximum temperatures ranged from 4°C reported in Aberdeenshire to 21°C at London/Heathrow Airport. Around the 18th and 19th fruit growers became anxious about the possibility of frost damage which, fortunately, did not materialize. During this period slight air frost occurred in places and ground frost was widespread especially early on the 20th. Among the lowest temperatures recorded were: -5.6°C at Carnwath (Lanarkshire) on the 2nd; -5.0°C at Alwen (Denbighshire) on the 20th; -4.0°C at Loughmore Forest (Co. Londonderry) on the 1st; -2.8°C at Santon Downham (Norfolk) on the 20th.

There was a warm spell at the end of the second week and it was very warm in the south on the 13th. Maxima during the month included: 27.2°C at a number of places in the London area on the 13th; 21.1°C at Prestatyn (Flintshire) on the 12th and at Kinlochewe (Ross and Cromarty) on the 23rd; 19.8°C at Ballykelly (Co. Londonderry) on the 22nd.

**Rainfall** — In England and Wales, most areas had over one and a half times the average rainfall and many places recorded more than twice the normal amount. In parts of the fenland in East Anglia over three and a half times the average occurred. More than three times the normal fell in the west Midlands; at Bidston Observatory (Cheshire) it was the wettest May since records began in 1870 and in the Shrewsbury area it was the wettest May for at least 75 years. Around the Thames estuary rainfall was near normal. In east Scotland over twice the average rainfall occurred in many areas. At Montrose, on the Angus coast, more than three times the normal amount of rain fell and it was the wettest May there since records began in 1866. In contrast it was the seventh consecutive month in the Fort William (Invernesshire) area with a rainfall deficit and some places in this area had less than half the normal amount. Northern Ireland was wetter than usual with more than twice the average occurring in Co. Down.

Much of the rainfall during the month was thundery and flooding, often followed the heavier outbreaks. The 3rd was very wet in east Scotland and Aberdeen Airport recorded a 'daily' fall of 41 mm. It was very wet in many areas of the British Isles on the 5th and 6th and many places recorded falls in excess of 30 mm. Flooding was widespread on the 6th and was particularly severe in the Midlands where Walsall (Staffordshire) railway station was closed due to flood-water. A 'noteworthy' fall of rain occurred on the 24th at Knotty Ash, near Liverpool, where 27 mm fell in about 35 minutes during a violent thunderstorm. On the same day Oaken (Staffordshire) had 58 mm and on the 25th a 'daily' fall of 50 mm was recorded at Moel Cynnedd (Montgomeryshire).

Thunder was much more frequent than normal and occurred on 25 days in England, it was concentrated mostly in the Midlands and

south-east and eastern areas. A number of places had thunderstorms on 9 or 10 days and Edgbaston, near Birmingham, reported thunder on 11 days. This is about 5 times the average number for May.

Thunder occurred on 15 days in Scotland, 10 days in Wales but on only 2 days in Northern Ireland. On the 9th a boy was struck by lightning and killed at Corby (Northamptonshire) and minor damage due to lightning was reported from many places during the month. On the 16th, hailstones up to 16 mm diameter accumulated to a depth of about 50 mm at Quainton (Buckinghamshire). Storms were reported from many areas during the last 3 days.

**Snow** — Falls of snow or sleet (rain or drizzle and snow) were light and mostly confined to upland areas in the north. They occurred during the first week on high ground in Scotland and northern England and in North Wales on the 1st. On the 17th and 18th snow or sleet fell again in northern districts and on the 18th snow or sleet was reported as far south as Hawkrig (height 314 m), on Exmoor.

**Sunshine** — Except for a few places in Sussex, monthly sunshine amounts were below average everywhere. It was particularly dull in Scotland and a few areas recorded less than half the normal. It was the dulllest May at Eskdalemuir Observatory (Dumfriesshire) and at Dumfries since records began in 1910. At Perth it was the dulllest May since records commenced in 1914 and Kirkwall (Orkney Isles) had only 47 per cent of average sunshine. The north Midlands were also very dull with most places recording only slightly more than half the normal amount of sunshine. Daily sunshine amounts throughout the month were very erratic although there was a relatively sunny spell in Scotland from the 19th to 23rd. The maximum daily duration of sunshine of 10.1 hours for the month at Ross-on-Wye (Herefordshire) was the lowest May maximum since records started in 1915.

**Fog** — Morning fog was widespread in the Midlands, south and east England on the 3rd with visibilities of only 30 yards in places. Both Heathrow and Gatwick airports were closed for some hours. Sea fog drifted onto coasts in east Scotland and north-east England during the period 3rd-5th and on the 5th this fog extended well inland. Coastal fog affected south and west coasts of England on the 10th and returned to eastern coasts at times during the last 10 days.

**Miscellaneous Phenomena** — The aurora was observed on 4 nights in Scotland and was seen in Northern Ireland on the 16th.

TABLE I—DISTRICT VALUES, May 1969

DISTRICTS	AIR TEMPERATURE °C					EARTH TEMP. °C		RAIN DAYS	RAIN-FALL	SUNSHINE
	*Highest Max.	*Lowest Min.	Max.	Min.	Mean	Mean 30 cm.	Mean 122 cm.			
	Difference from Average							% of Average		
0 SCOTLAND, N.	16.7	-0.5	-1.0	-0.3	-0.7	-0.3	-0.7	+3	124	65
1 SCOTLAND, E.	18.9	1.1	-1.5	-0.2	-0.8	-1.0	-0.5	+9	192	67
2 ENGLAND, N.E.	20.6	-2.2	-1.2	+0.3	-0.4	-0.2	-0.5	+9	157	72
3 ENGLAND, E.	26.1	2.2	-0.3	+1.1	+0.4	+0.3	-0.2	+6	173	86
4 MIDLANDS	23.9	0.6	-0.9	+1.0	+0.1	-0.1	-0.4	+9	204	68
5 ENGLAND, S.E.	26.7	0.6	-0.6	+0.2	-0.1	0.0	-0.3	+8	172	69
6 SCOTLAND, W.	19.0	-1.6	-1.5	-0.1	-0.8	-0.5	-0.7	+3	109	72
7 ENGLAND, N.W. and N.Wales	19.3	-1.1	-1.1	+0.2	-0.4	-1.2	-0.8	+8	182	71
8 ENGLAND, S.W. and S.Wales	20.6	-1.1	-1.0	+0.3	-0.3	-0.9	-0.5	+8	169	71
N.IRELAND	19.8	-1.9	-0.9	-0.2	-0.5	-	-	+6	149	76
SCOTLAND	19.0	-1.6	-1.3	-0.2	-0.8	-	-	+5	142	52
ENG. and WALES	26.7	-2.2	-0.9	+0.5	-0.1	-	-	+8	176	73

\*Highest Max. and Lowest Min. of the District Value Stations.

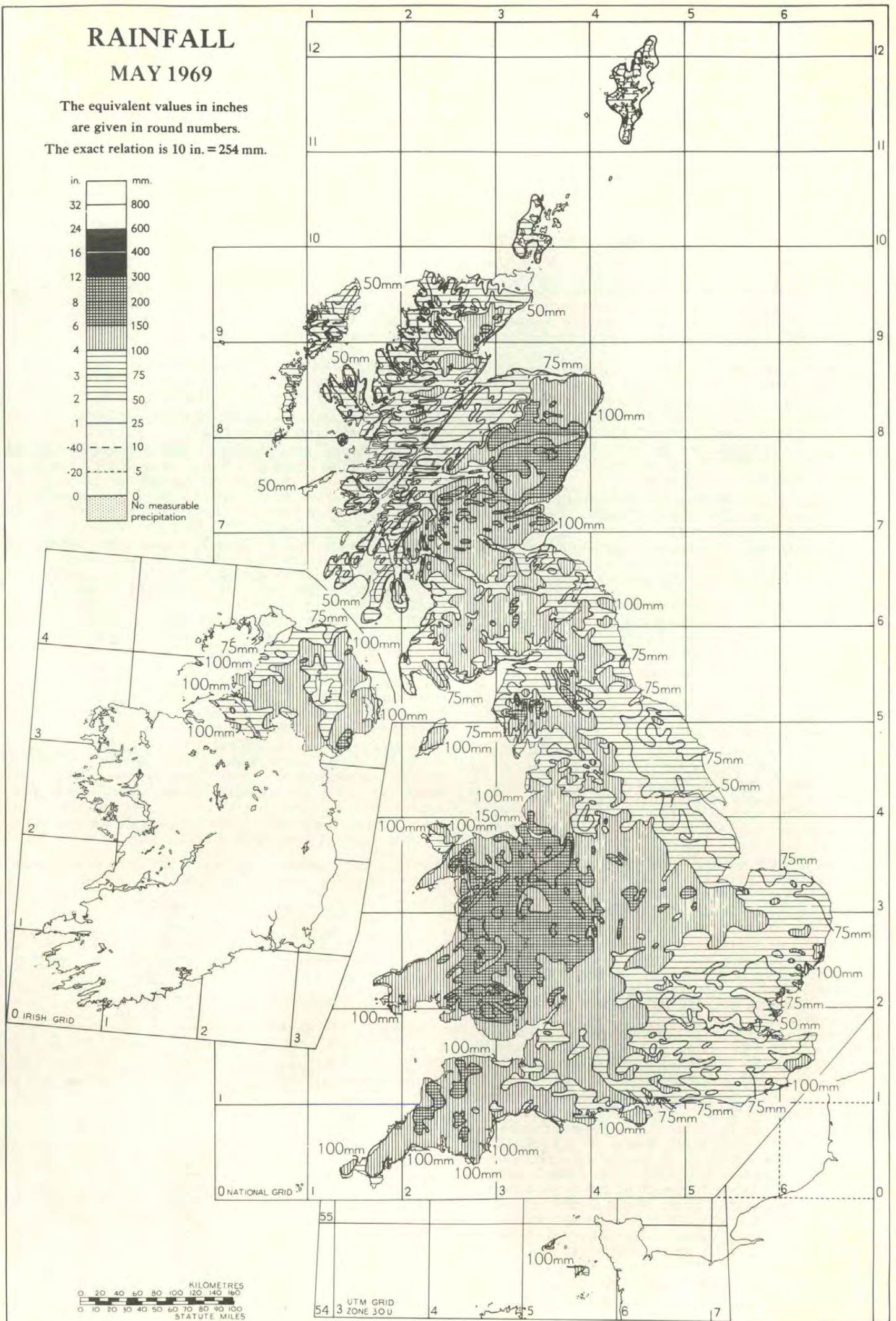
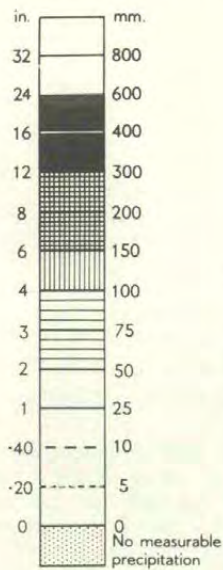


# RAINFALL

MAY 1969

The equivalent values in inches  
are given in round numbers.

The exact relation is 10 in. = 254 mm.





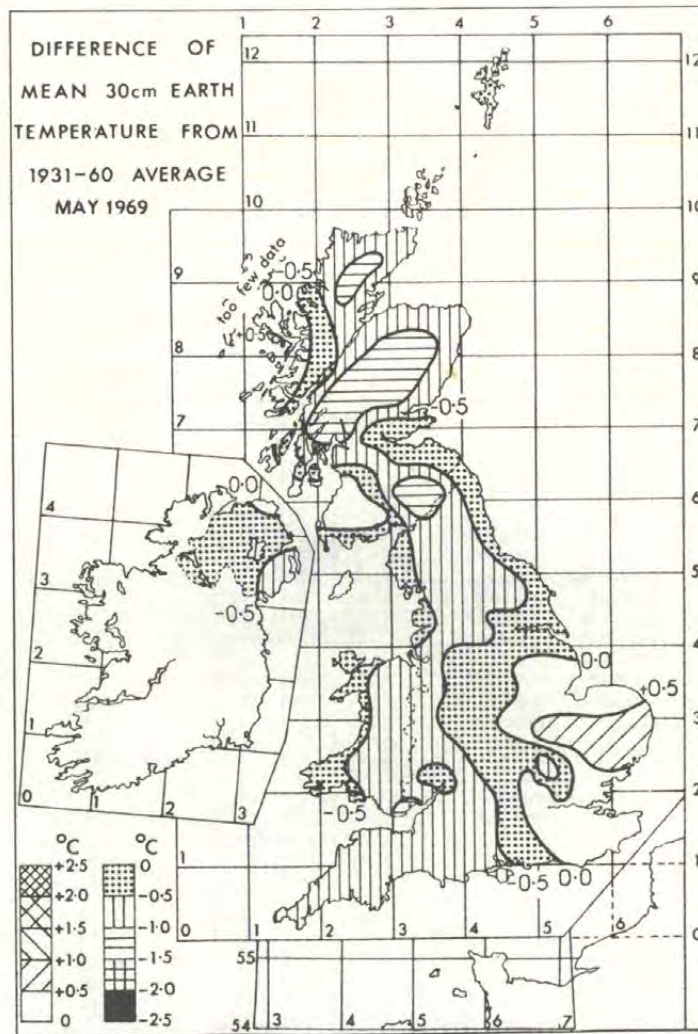
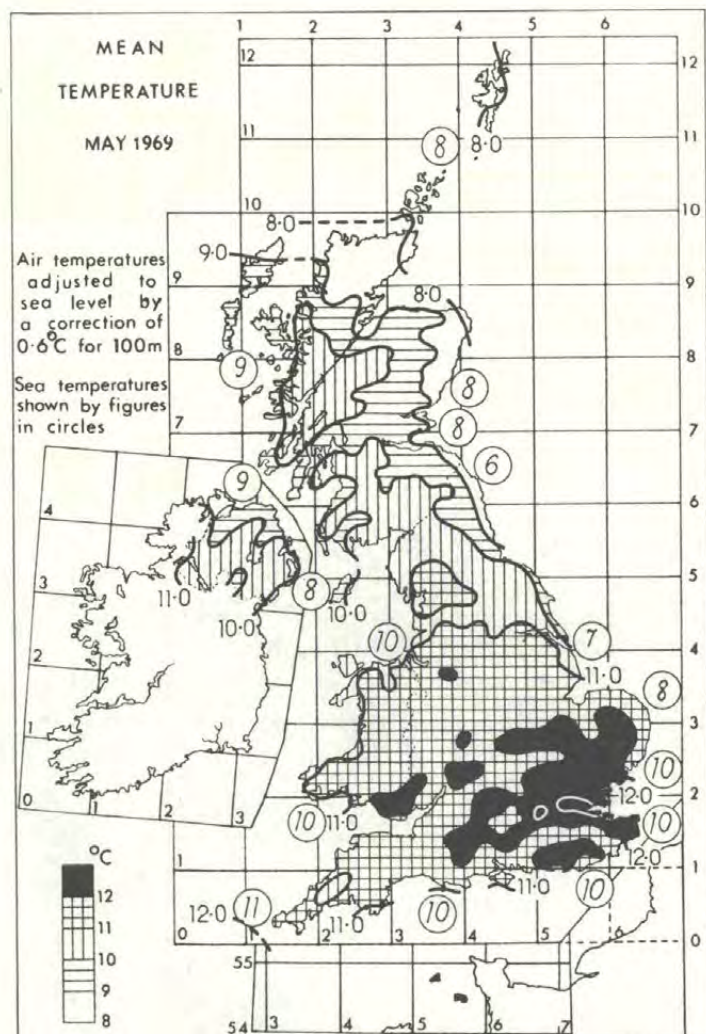
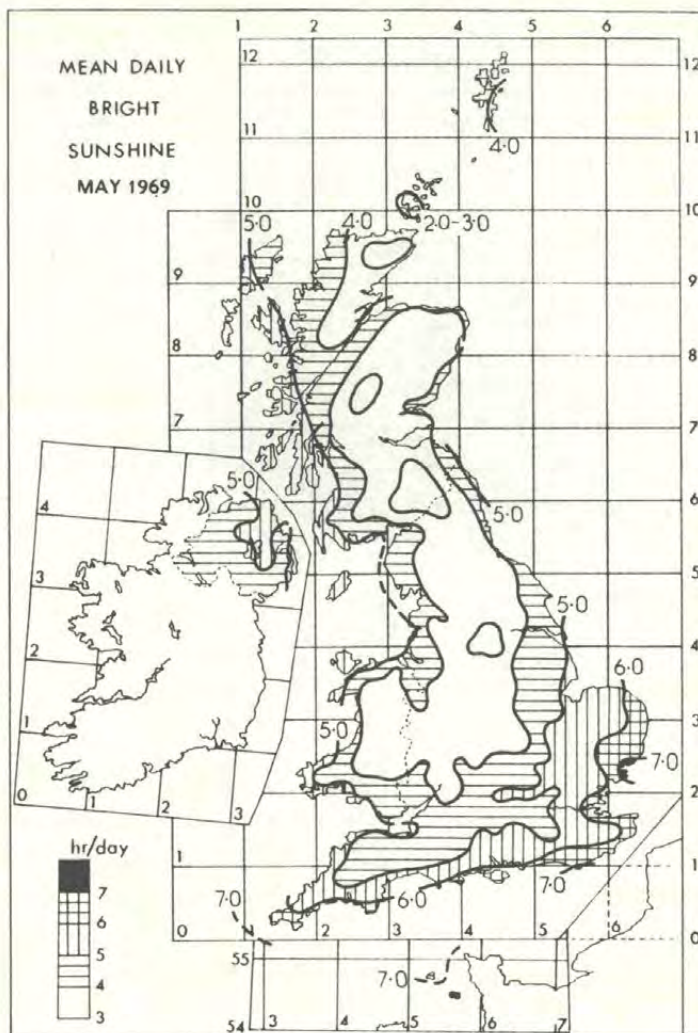
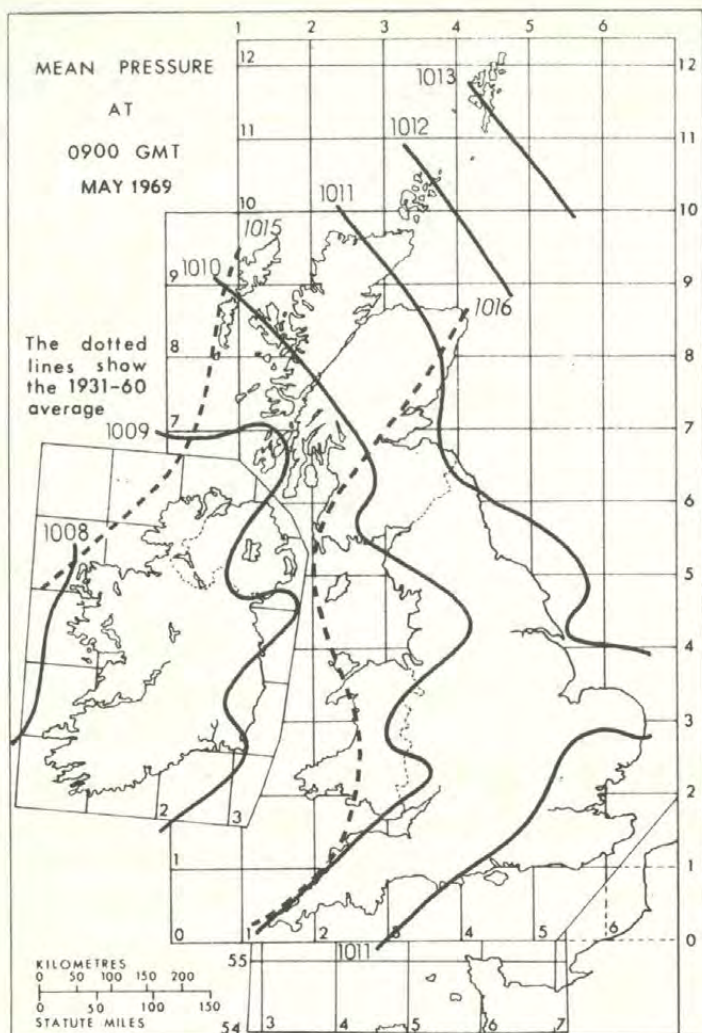




TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—

MAY,

1969

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES		DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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TABLE II (continued)—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—

MAY,

1969

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					Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours				Veer from N	Speed in knots		Hour ended at day hour	Veer from N	Speed in knots	Day and Time			
5. ENGLAND, S.E. — <i>contd.</i>																					
Wiltshire Larkhill ... ..		145	13	10	-	0	0	0	241	400	103	0	8.4	100	21	23	09	360	37	18	1440
Boscombe Down ... ..		130	16	16	-	0	1	1	329	333	81	0	9.7	210	22	15	11	360	35	18	1435
Porton ... ..		120	10	10	-	0	3	3	369	298	74	0	10.3	010	22	18	13	210	38	15	1035
7a ENGLAND, N.W.																					
Cumberland Sellafield ... ..		25	12	11	-	0	0	0	108	499	137	0	6.6	100	18	23	13	110	29	23	1210
Carlisle ... ..		42	13	9	-	0	0	0	296	307	141	0	8.8	080	21	2	11	070	32	2	1025
Spadeadam ... ..		292	16	15	-	0	1	9	235	344	156	0	8.4	090	26	2	13	020	42	18	1410
Westmorland Great Dun Fell ... ..		857	10	10	2.11	7	17	97	376	222	42	0	13.4	070	38	2	14	070	47	2	1335
Lancashire Squires Gate ... ..		26	16	11	-	0	4	14	347	337	46	0	10.6	250	26	26	09	250	37	26	0825
Aigburth ... ..		38	23	11	-	0	0	0	148	425	171	0	6.9	230	17	10	15	170	33	27	1445
Southport ... ..		19	14	11	-	0	1	1	135	301	300	7	5.6	340	22	17	22	340	31	17	2100
Fleetwood ... ..		34	15	9	-	0	1	4	108	378	251	3	5.9	310	25	17	19	030	33	18	0455
Speke ... ..		30	10	10	-	0	0	0	208	430	106	0	8.1	290	20	26	07	180	33	27	1445
Manchester/ W.Centre ... ..		82	45	17	-	0	0	0	191	506	47	0	8.6	060	20	2	13	210	35	14	0230
Cheshire Bidston ... ..		80	20	12	-	0	1	1	259	420	64	0	-	240	22	11	14	170	43	27	1505
Ringway ... ..		80	10	10	-	0	1	1	164	493	86	0	8.1	100	22	23	12	100	31	23	1120
7b NORTH WALES																					
Anglesey Valley ... ..		26	16	12	-	0	3	17	399	296	32	0	11.5	200	27	11	12	320	37	18	0450
8a SOUTH WALES																					
Cardigan Aberporth ... ..		135	13	11	-	0	5	17	378	257	92	0	10.3	340	26	18	08	140	42	23	1330
Pembroke Milford Haven C.B. ... ..		47	10	10	-	0	1	1	349	303	91	0	10.0	100	22	23	07	110	35	23	0745
Brawdy ... ..		130	20	14	-	0	8	45	348	286	65	0	11.4	360	31	18	10	130	42	23	1055
Glamorgan Port Talbot ... ..		28	12	11	-	0	3	4	235	373	132	0	8.4	130	24	23	13	130	41	23	1255
Rhoose ... ..		78	11	10	-	0	1	1	261	419	63	0	9.1	270	22	16	16	350	36	18	0955
8b ENGLAND, S.W.																					
Dorset Portland Bill C.G. ... ..		61	13		-	0	10	34	421	227	62	0	12.0	100	27	23	06	310	39	18	0745
Devon Mount Batten ... ..		64	13	13	-	0	2	3	376	302	63	0	10.4	190	23	7	15	090	40	2	0855
Chivenor ... ..		19	13	10	-	0	1	2	321	342	79	0	9.4	330	23	18	09	330	40	18	0855
Cornwall Scilly ... ..		70	20	17	-	0	6	20	426	237	61	0	11.3	320	28	7	18	240	42	15	1805
Lizard ... ..		96	23	18	*																
St. Mawgan ... ..		119	12	12	-	0	4	11	409	263	61	0	11.1	150	24	29	08	340	34	18	1030
9 NORTHERN IRELAND																					
Londonderry Ballykelly ... ..		13	12	10	-	0	0	0	223	380	141	0	8.1	120	19	24	13	120	30	24	0935
Antrim Aldergrove ... ..		80	10	10	-	0	0	0	198	442	104	0	8.1	340	19	18	17	130	32	23	2000
Ballypatrick Forest ... ..		166	13	13	-	0	5	19	412	234	79	0	11.3	080	26	3	05	080	43	3	0425
Belfast Harbour ... ..		21	18	18	-	0	5	14	294	351	85	0	9.7	320	24	18	17	330	33	17	1930
Down Kilkeel ... ..		35	18	18	-	0	6	16	263	325	140	0	8.7	120	27	23	24	120	35	23	2235
Orlock Head ... ..		51	16	12	-	0	8	64	309	339	32	0	11.2	330	30	18	03	330	43	18	0240
Armagh																					
Portadown ... ..		26	10	10	-	0	0	0	109	423	212	0	6.0	330	16	18	12	110	25	23	2125
Tyrone Carrigans ... ..		129	10	10	-	0	0	0	157	356	231	0	6.3	110	18	24	01	330	37	17	2005
Fermanagh Castle Archdale Forest ... ..		80	13	13	-	0	0	0	170	363	199	12	6.5	160	17	24	14	130	28	25	1750
CHANNEL ISLES																					
Jersey Airport ... ..		109	26	15	-	0	9	26	443	251	24	0	12.2	300	28	18	11	320	46	18	1105

/ Anemograph dismantled for re-erection. \* Defective record. † Record ceased. ‡ Incomplete record. § Anemograph out of order. \*\* Record ceased temporarily.

TABLE III

—SUMMARY OF DAILY OBSERVATIONS

MAY,

1969

DISTRICT, COUNTY AND PLACE		Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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4 MIDLAND COUNTIES — contd.																																	
Hereford																																	
Lyonshall ...	99	155	14.5	6.8	10.7	-0.4	18.9	22	1.1	2,20	-	-	168	271	45	25	26	24	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-
Ross-on-Wye §§	21-9	68	15.3	7.8	11.5	-0.2	20.1	22	1.7	20	12.1	10.2	119	217	42	25	23	16	0	0	0	2	6	0	0	3	0	0	4.04	67	-	-	
Preston Wynne	99	84	15.1	6.5	10.8	-	20.0	22	0.0	20	-	-	150	294	29	25	27	23	0	0	1	1	4	0	1	6	-	0	4.37	-	-	-	
Gloucester																																	
Filton ...	21-9	59	15.4	7.8	11.6	-0.1	20.3	13	2.5	2	-	-	102	175	24	25	24	18	0	0	1	0	4	0	0	3	0	0	4.35	-	-	-	
Hempsted ...	99	12	15.8	7.8	11.8	-	20.6	13	1.7	20	12.1	9.9	103	185	25	5	21	14	0	0	0	2	3	0	0	-	-	0	3.62	-	-	-	
Gloucester ...	21-9	24	15.9	8.5	12.2	-	21.0	22	1.9	20	-	-	113	-	26	5	24	16	0	0	4	0	2	0	0	4	0	0	3.78	-	-	-	
Cheltenham ...	99	65	15.7	7.9	11.8	-0.3	20.6	22	1.7	20	-	-	120	236	21	5	26	17	-	-	-	-	-	0	-	-	-	-	3.54	-	-	-	
Cirencester ...	99	135	15.2	6.8	11.0	-	21.7	13	1.1	20	-	-	129	195	24	5	24	19	0	0	2	0	2	0	0	2	-	0	4.03	-	-	-	
Little Rissington	21-9	226	14.4	6.7	10.5	-	20.6	13	2.3	2	-	-	118	204	28	24	22	14	0	0	2	0	6	0	0	0	0	0	4.17	-	-	-	
5 ENGLAND, S.E.																																	
Greater London																																	
Kensington Palace	99	25	16.9	9.0	12.9	-0.1	27.2	13	4.4	19	12.9	(10.9)	49	104	7	9	18	15	0	0	0	0	2	0	0	0	-	0	-	-	-	-	
Hampstead ...	99	137	16.1	7.9	12.0	+0.3	26.6	13	2.7	19	-	-	53	-	8	9	22	14	0	0	0	0	3	-	0	0	-	0	5.25	84	S	-	
St. James's Park	99	4	17.1	9.5	13.0	+0.2	26.7	13	5.0	19	-	-	44	-	6	5,9	15	13	0	-	0	0	3	-	0	-	-	0	-	-	-	-	
Camden Square	99	34	17.1	9.4	13.3	0.0	27.2	13	4.4	19	13.1	-	(49)	-	7	9	23	14	-	0	-	-	-	-	-	-	-	-	-	-	-	-	
London/W.Centre	-	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.40	91	-	-	
Greenwich ...	99	7	-	8.5	-	-	27.2	13	3.9	1	-	-	47	107	8	9	19	14	0	0	0	0	3	0	0	0	-	0	5.20	87	-	-	
Heathrow ...	21-9	25	17.1	8.7	12.9	+0.4	26.8	13	4.0	18,19	-	-	59	129	11	9	18	13	0	0	3	0	5	0	0	1	0	0	4.81	-	-	-	
Hampton ...	99	12	16.4	8.8	12.6	-	26.1	13	4.4	19	-	-	54	123	8	9,25	20	15	0	0	2	0	5	0	0	0	-	1	5.24	-	-	-	
Wealdstone ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.75	-	-	-	
Southgate ...	99	67	16.7	8.3	12.5	-	26.1	13	3.3	19	11.4	-	55	121	9	5	17	11	0	-	0	3	0	0	1	-	0	4.57	-	-	-	-	
Kew §§	21-9	5	16.5	7.6	12.1	-0.4	26.2	13	4.0	19	12.1	10.0	53	116	9	9	18	14	0	0	1	0	7	0	0	2	0	0	5.34	83	-	-	
Waddon ...	99	67	-	8.3	-	-	-	-	4.4	19,20	-	-	55	114	9	9	18	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Addington ...	99	144	16.1	7.8	11.9	+0.2	26.1	13	3.3	19	-	-	60	118	8	9	20	17	-	-	-	-	-	0	0	-	-	-	-	-	-	-	
Bromley ...	99	65	-	7.6	-	-	-	-	3.3	19	-	-	-	-	-	-	-	-	-	0	-	-	-	0	0	-	-	-	-	-	-	-	
Surrey																																	
Gatwick ...	21-9	59	16.4	6.7	11.5	-0.2	25.6	13	0.1	1	-	-	67	134	13	17	19	15	0	0	1	0	5	0	0	7	0	0	4.97	-	-	-	
Witley ...	99	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mickleham ...	99	55	16.3	6.7	11.5	-	25.6	13	1.1	1	-	-	58	119	8	9,15	20	15	0	0	1	0	5	0	0	3	-	0	-	-	-	-	
Kent																																	
Dartford ...	99	5	17.1	7.9	12.5	-	27.2	13	3.9	9,18	-	-	43	103	8	5	19	13	0	0	0	0	4	0	0	-	-	0	-	-	-	-	
Hadlow College	99	27	16.7	6.7	11.7	-	26.7	13	1.7	1	12.1	9.6	54	-	10	17	18	13	0	0	0	1	4	0	0	1	-	0	-	-	-	-	
Gillingham ...	99	4	16.6	8.2	12.4	-	26.7	13	2.8	1	-	-	40	90	7	5	14	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Isle of Grain ...	99	3	16.7	9.9	13.3	-	25.0	13	5.6	19	-	-	49	-	12	5	15	14	0	0	1	0	3	0	0	0	-	0	6.06	-	-	-	
Dungeness ...	21-9	3	14.4	(8.5)	(11.5)	(+0.3)	22.4	13	3.5	19	-	-	103	245	16	4	19	18	0	0	0	0	9	0	0	1	-	0	-	-	-	-	
Whitstable ...	99	3	16.4	8.6	12.5	-	26.1	13	3.9	1	-	-	64	172	13	14	20	14	0	0	0	0	10	1	0	-	1	6.87	-	-	-	-	
Folkstone ...	99	39	15.3	8.7	12.0	-	23.9	13	3.9	19	-	-	96	224	16	14	20	18	0	0	1	0	9	0	0	-	0	6.46	-	-	-	-	
Elmstone ...	99	9	16.7	7.1	11.9	-	23.9	13	0.0	1	-	-	81	-	15	14	20	15	-	0	-	-	-	0	1	1	-	-	-	-	-	-	
Herne Bay ...	99	6	16.4	9.1	12.7	-	20.6	11,12,29	5.6	7	-	-	67	171	13	14	19	12	0	0	0	1	5	1	0	-	-	0	6.31	-	-	-	
Dover ...	99	6	(15.3)	-	-	-	23.3	13	-	-	13.2	11.4	105	238	17	14	20	16	0	0	0	1	9	0	-	-	0	6.37	-	-	-	-	
Deal ...	21-9	5	14.8	9.0	11.9	-	21.4	13	4.6	19	-	-	78	-	16	14	20	14	0	0	0	0	4	1	0	6	0	0	-	-	-	-	
Manston ...	21-9	44	15.7	8.4	12.1	-	24.6	13	4.2	5	-	-	89	229	16	14	21	16	0	0	0	0	8	0	0	0	0	0	-	-	-	-	
Ramsgate ...	99	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											











TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS MAY, 1969

DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE		
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916—50 average	Amount (mm.)	Date	Precip'n 0.2 mm or more 1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure	
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date																					
9. NORTHERN IRELAND																															
Londonderry																															
Loughmore Forest	99	174	13.6	4.1	8.9	-	18.2	22	-4.0	1	-	-	69	-	15	6	24	19	0	0	0	0	0	4	11	-	0	-	-	-	-
Ballykelly	21-9	2	14.0	6.2	10.1	-0.6	19.8	22	-0.2	1	11.4	9.1	83	145	12	6	23	20	0	0	0	0	0	1	5	2	0	4.55	71	-	-
Derrynoyd Forest	99	88	14.2	5.2	9.7	-	19.3	22	-0.9	1	-	-	106	-	19	2	23	15	0	0	0	0	0	2	11	-	0	-	-	-	-
Somerset Forest	99	43	13.9	5.2	9.5	-	18.8	22	-0.6	1	-	-	92	-	14	6	21	16	0	0	0	0	1	0	2	3	-	-	-	-	-
Coleraine	99																														
Garvagh Forest	99	91	13.6	5.0	9.3	-	18.9	22	-1.1	1,21	11.0	8.4	105	-	16	6	22	17	0	0	0	0	2	0	2	7	-	-	-	-	-
Moneydig	21-9	34	14.1	5.3	9.7	-0.7	19.1	22	-1.9	1	10.8	-	110	158	16	6	22	20	0	0	1	0	2	0	2	12	2	0	-	-	-
Antrim																															
Portrush Golf Club	99	9																													
Ballymoney	99	55	13.7	4.9	9.3	-	18.1	22	-0.5	1	-	-	72	-	13	6	20	15	0	-	0	0	1	0	1	-	-	-	-	-	-
Lisnafillan	99	38	13.8	5.4	9.6	-	17.8	10,21	-2.8	20	-	-	95	-	13	24	23	19	0	0	0	0	0	0	2	5	-	-	5.52	-	-
Aldergrove	21-9	69	13.8	6.6	10.2	-0.3	17.7	22	0.8	20	11.1	8.3	79	115	11	24	22	16	0	1	0	1	0	0	2	0	0	-	5.25	83	-
Greenmount	99	32	13.9	6.5	10.2	-	17.8	22	0.0	20	10.8	-	90	-	12	8	20	17	0	0	0	0	0	0	2	-	-	-	-	-	-
Altnahinch	99	226	12.2	5.0	8.6	-	17.2	22	0.0	1	-	-	98	-	13	24	21	17	0	0	0	0	0	3	2	9	-	0	4.99	-	-
Parkmore Forest	99	235	11.3	4.7	8.0	-	15.6	10	-1.1	20	8.2	-	117	-	16	2	21	17	0	0	0	0	0	5	2	8	-	1	-	-	-
Black Mountain	21-9	295	11.9	5.0	8.5	-	15.3	21,22	0.0	20	-	-	112	-	15	24	20	16	0	0	0	0	0	8	0	-	-	0	-	-	-
Lowtown	99	271	11.6	5.1	8.3	-	15.6	10,21	-0.6	20	8.6	-	124	-	16	2	22	19	0	0	0	0	1	3	1	6	-	0	4.13	-	-
Ballypatrick Forest	99	152	12.0	5.3	8.7	-	15.8	10,22	-0.4	2	-	-	101	-	22	2	22	16	0	0	0	0	1	2	1	1	-	0	5.28	-	-
Belfast, Malone*	35		14.1	6.4	10.3	-	18.9	30	0.0	20	10.7	-	103	-	13	2	19	15	0	-	0	0	0	0	6	-	-	0	4.44	-	-
Newtownabbey	99	32	13.6	7.2	10.4	-	17.8	10	2.2	20	10.8	-	107	-	14	6	20	17	0	0	0	0	1	0	0	2	-	0	4.53	-	-
Woodburn, North	99	217	12.1	4.4	8.3	-	16.7	30	-2.2	2,20	-	-	115	142	14	6	20	18	0	0	0	0	1	7	2	5	-	-	-	-	-
Larne	99	43	13.4	6.2	9.8	-	16.7	10,14	0.0	20	-	-	115	160	15	2	20	17	0	0	0	0	1	1	1	-	-	-	-	-	-
Kilroot	99	22	13.2	6.4	9.8	-	17.2	10	0.0	20	-	-	112	-	15	24	19	17	0	0	0	0	0	1	0	1	-	-	-	-	-
Ballylumford	99	24	13.3	6.6	9.9	-	17.2	10	2.8	2,20	-	-	109	-	12	2	20	17	0	-	0	0	0	-	0	3	-	-	-	-	-
Down																															
Hillsborough	99	116	13.1	6.1	9.6	-0.4	17.2	21	1.1	2	10.0	7.9	101	158	18	2	17	14	0	0	0	0	1	1	0	3	-	-	4.99	81	-
Kilkeel	21-9	18	12.4	7.2	9.8	-0.7	17.8	10	4.3	18	-	-	139	-	18	6	18	17	0	0	0	0	0	0	1	1	0	-	4.88	-	-
Tollymore Park	99	76	12.9	6.2	9.5	-	17.2	10	2.8	5	-	-	170	177	31	2	21	18	0	0	0	0	0	3	0	0	-	-	-	-	-
Rosetta	99	24	14.2	6.9	10.5	-	17.8	10	1.1	20	-	-	105	-	14	2	17	14	0	0	0	0	0	0	0	0	-	-	-	-	-
Murlough	99	9	13.3	5.6	9.5	-	18.5	10	-1.6	2	-	-	119	-	17	5	21	17	0	0	0	0	2	1	1	10	-	0	4.67	-	-
Stormont Castle	99	56	13.8	6.5	10.1	-	17.8	10,30	1.7	1	10.9	9.0	113	183	13	2	21	16	0	0	0	2	1	3	0	4	-	0	4.64	-	-
Downpatrick	99	36	14.0	7.1	10.5	-	18.3	10	3.3	2,19	-	-	117	-	18	6	21	18	-	-	-	-	-	1	0	0	-	-	-	-	-
Creighton's Green	99	119	12.8	6.2	9.5	-	17.2	30	1.1	20	-	-	119	-	13	24	21	17	0	1	0	0	0	3	0	2	-	0	-	-	-
Reagh Island**	99	12	13.4	7.0	10.2	-	17.2	10	2.8	20	-	-	124	-	13	3,16	21	17	-	-	-	-	1	0	0	2	-	-	5.27	-	-
Helen's Bay	99	43	14.1	6.9	10.5	-	17.8	30	1.7	20	-	-	108	-	13	24	22	17	0	0	1	1	1	1	0	3	-	0	5.15	-	-
Killough	21-9	15	11.7	6.8	9.3	-	16.2	10	3.2	18	-	-	114	-	16	6	22	19	0	0	1	0	1	3	0	0	-	0	-	-	-
Ballyhalbert	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.30	-	-
Armagh																															
Armagh	99	62	14.8	6.4	10.6	-0.3	18.9	21	1.1	2	12.0	9.6	102	170	17	6	21	16	0	0	1	0	0	1	0	4	-	0	4.15	69	-
Loughgall	99	25	14.1	6.1	10.1	-	17.8	10,22	0.0	2	-	-	105	187	16	6	22	17	0	0	0	0	0	0	1	8	-	0	4.94	-	-
Bessbrook	-	76	-	-	-	-	-	-	-	-	-	-	115	167	22	2	23	18	-	-	-	-	-	-	-	-	-	-	4.41	70	-
Portadown	99	16	14.4	6.4	10.4	-	18.3	22	0.6	2	11.6	9.6	100	-	13	5,6	21	18	0	-	0	0	0	-	0	2	-	0	-	-	-
Lurgan	99	55	14.1	6.5	10.3	-	17.8	21,22	1.1	5	10.9	9.0	99	-	14	6	24	18	-	-	-	-	-	-	0	2	-	-	5.02	-	-
Tyrone																															
Lough Bradan	99	169	13.3	4.9	9.1	-	17.2	22	0.0	2	-	-	100	-	19	6	22	18	-	0	-	-	-	1							



TABLE IV

—SUMMARY OF OBSERVATIONS AT FIXED HOURS

MAY,

1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-2	3-5	6-7	8	9	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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS MAY, 1969

[illegible]



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS

MAY,

1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION															
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-2	3-5	6-7	8	9	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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
																									SPEED IN KNOTS														
																									8 or more	6-7	4-5	1-3	Calm										
																									34 or more	22-33	11-21	1-10	0										
Number of Observations																																							
3.	ENGLAND, E.—contd.																																						
Mildenhall [Suffolk]	12	3	1010.4	-	9.3	0.6	10.9	91	6.0	1	6	0	13	11	0	0	0	0	0	3	4	14	8	2	0	0	0	2	27	2	1	2	8	3	4	7	2	2	
	9	9	1011.1	-5.2	12.5	2.1	11.1	77	6.4	0	0	8	13	10	0	0	0	0	0	2	9	10	8	2	0	0	6	24	1	1	0	6	4	3	10	2	4		
	15	15	1010.3	-	15.7	3.8	11.1	62	6.1	0	1	9	14	7	0	0	0	0	0	0	5	7	17	2	0	0	5	26	0	1	1	7	3	6	8	2	3		
	21	21	1010.9	-	11.9	1.7	11.2	80	5.5	0	5	6	14	6	0	0	0	0	0	0	1	6	21	3	0	0	2	26	3	1	1	9	4	7	5	1	0		
Wattisham [Suffolk]	91	3	1010.5	-	8.7	0.5	10.6	93	5.7	1	6	4	7	13	0	0	1	0	1	2	7	11	7	2	0	0	0	4	27	0	2	2	5	3	8	8	2	1	
	9	9	1011.1	-	11.8	1.8	10.9	79	6.4	0	3	3	17	8	0	0	0	0	0	1	3	9	7	7	4	0	0	10	21	0	3	2	3	4	7	10	0	2	
	15	15	1010.5	-	14.3	3.1	11.0	67	6.0	0	2	9	14	6	0	0	0	0	0	0	1	6	11	11	2	0	0	14	17	0	1	2	5	6	5	6	2	4	
	21	21	1011.1	-	10.5	1.2	10.9	84	5.6	0	6	6	11	8	0	0	0	0	0	0	4	14	8	5	0	0	0	2	26	3	1	3	8	4	6	4	1	1	
Aldeburgh [Suffolk]	9	3	1010.5	-	-	-	-	-	4.8	5	6	4	5	11	0	0	0	0	0	0	2	9	20	0	0	0	1	9	16	5	1	3	2	2	5	6	4	3	
	9	9	1011.4	-	-	-	-	-	5.4	2	3	7	9	9	1	0	2	0	0	0	4	11	14	0	0	0	1	8	19	3	2	2	3	4	5	9	2	1	
	15	15	1011.0	-	-	-	-	-	4.8	1	8	7	8	6	1	0	1	0	0	1	0	15	14	0	0	0	1	10	20	0	1	7	4	3	8	4	3	1	
	21	21	1011.0	-	-	-	-	-	4.6	7	5	3	1	15	0	0	0	0	0	0	1	14	16	0	0	0	0	10	18	3	0	5	5	4	3	6	4	1	
Wyton [Hunts]	43	3	1010.0	-	9.0	0.6	10.7	92	6.3	1	3	3	11	13	0	0	0	0	1	3	4	18	5	0	0	0	0	1	29	1	4	1	5	2	7	6	2	3	
	9	9	1010.8	-	11.8	1.7	11.2	81	6.7	0	0	8	10	13	0	0	0	0	0	1	3	10	11	6	0	0	0	9	21	1	3	4	2	3	6	8	2	2	
	15	15	1009.9	-	14.9	3.2	11.4	67	6.5	0	0	6	17	8	0	0	0	0	0	0	0	8	13	8	2	0	0	9	22	0	1	0	7	4	7	6	2	4	
	21	21	1010.6	-	11.5	1.5	11.3	83	5.6	1	4	6	12	8	0	0	0	0	0	0	3	13	13	2	0	0	0	0	29	2	1	2	9	1	6	6	2	2	
Cardington [Bedford]	29	3	1010.0	-	9.0	0.4	10.9	94	6.0	1	3	5	10	12	0	0	0	0	0	2	4	17	8	0	0	0	0	3	27	1	4	4	4	1	13	0	2	2	
	9	9	1010.7	-5.7	12.1	1.8	11.2	79	6.6	0	1	4	18	8	0	0	0	1	0	0	3	9	15	3	0	0	0	10	21	0	3	4	4	7	6	2	1		
	15	15	1009.9	-	15.1	3.2	11.5	67	6.7	0	1	4	18	8	0	0	0	0	0	0	0	9	11	11	0	0	0	9	22	0	1	5	8	1	7	5	3	1	
	21	21	1010.4	-	11.3	1.2	11.5	85	5.5	1	5	6	10	9	0	0	0	0	0	1	1	18	11	0	0	0	0	2	29	0	2	4	7	3	9	3	2	1	
Stansted [Essex]	102	3	1010.4	-	8.5	0.4	10.6	94	5.7	3	1	8	8	10	1	0	0	1	1	1	6	16	5	1	0	0	0	3	22	6	1	1	7	3	2	9	2	0	
	9	9	1011.2	-	11.7	1.6	11.2	80	6.5	0	1	5	16	9	0	0	0	0	0	0	4	11	10	5	1	0	0	12	18	1	2	2	4	3	5	11	1	2	
	15	15	1010.6	-	14.6	3.2	11.2	68	6.2	0	1	8	14	8	0	0	0	0	0	0	0	6	11	11	3	0	0	14	17	0	1	1	6	7	3	6	1	6	
	21	21	1010.9	-	10.9	1.2	11.2	85	5.5	0	6	5	13	7	0	0	0	0	0	0	4	10	12	4	1	0	0	3	25	3	0	1	9	4	5	4	3	2	
Shoeburyness [Essex]	5	9	1011.1	-5.5	12.5	1.5	12.0	83	6.5	0	0	7	16	8	0	0	0	2	0	3	8	11	5	2	0	0	0	17	12	2	1	1	6	2	7	8	3	1	
	15	15	1010.3	-	14.0	2.4	11.9	75	6.3	0	1	8	15	7	0	0	0	0	1	1	9	10	3	7	0	0	0	17	13	1	2	3	10	0	3	8	3	1	
	21	21	1010.7	-	11.5	1.0	12.0	88	5.3	0	7	7	9	8	0	0	0	0	0	0	3	9	10	6	3	0	0	11	17	3	0	2	6	2	8	7	2	1	
Walton-on-Naze [Essex]	8	3	1010.6	-	10.3	0.8	11.4	90	5.0	4	4	6	7	10	0	0	0	0	0	0	3	21	7	0	0	0	0	7	22	2	2	1	4	4	6	6	5	1	
	9	9	1011.5	-	12.2	1.4	11.9	84	6.1	1	0	9	10	11	0	0	0	0	0	1	2	18	10	0	0	0	0	11	17	3	1	3	3	2	5	6	6	2	
	15	15	1010.9	-	13.3	1.7	12.4	81	5.6	0	6	7	8	10	0	0	0	0	0	0	4	17	10	0	0	0	1	15	14	1	1	3	4	4	3	9	3	3	
	21	21	1011.1	-	11.6	1.0	12.0	88	5.8	0	6	6	5	14	0	0	0	0	0	0	1	18	12	0	0	0	0	13	18	0	0	1	9	3	6	7	3	2	
4. MIDLAND COUNTIES																																							
Huddersfield Oakes [Yorks. W.R.]	234	3	1009.1	-	6.8	0.9	8.6	86	6.2	1	3	6	4	17	0	0	4	2	4	2	2	7	4	6	0	0	0	3	19	9	4	1	2	1	1	2	8	3	
	9	9	1009.8	-	9.3	1.2	10.0	85	6.6	0	3	2	10	15	1	0	3	3	0	4	1	12	3	5	0	0	0	5	26	0	2	8	4	2	1	8	6	0	
	15	15	1009.6	-	12.0	2.4	10.2	73	6.8	0	1	5	10	15	0	0	0	1	3	2	2	9	4	10	0	0	0	12	17	2	2	5	4	1	5	4	5	3	
	21	21	1009.9	-	8.8	0.8	10.3	89	6.3	0	3	5	9	14	0	0	2	2	1	1	3	15	2	5	0	0	1	3	21	6	1	6	4	2	1	7	2	2	
Watnall [Nottingham]	119	3	1009.7	-	8.3	0.4	10.5	94	6.4	0	3	4	11	11	2	0	0	3	1	3	6	12	4	2	0	0	0	4	21	6	3	6	3	1	1	9	2	0	
	9	9	1010.3	-6.1	10.4	1.2	10.9	86	7.2	0	0	2	14	15	0	0	0	1	1	2	8	8	9	1	1	0	0	8	23	0	3	6	5	1	3	6	5	2	
	15	15	1009.6	-	13.4	2.4	11.4	74	6.5	0	1	6	14	10	0	0	0	0	1	2	3	6	11	7	1	0	0	9	22	0	5	3	6	2	2	7	4	2	
	21	21	1010.2	-	10.4	1.0	11.1	87	6.5	0	3	3	12	13	0	0	0	0	0	4	4	15	8	0	0	0	0	6	21	4	1	5	6	2	1	5	6	1	
Finningley [Nottingham]	14	3	1009.8	-	8.6	0.5	10.6	93	6.0	2	3	4	8	13	1	0	0	2	1	2	5	16	4	1	0	0	1	5	20	5	4	3	4	1	6	6	0	2	
	9	9	1010.4	-5.9	11.1	1.4	11.1	84	7.0	0	1	2	15	13	0	0	0	1	0	4	14	6	5	1	0	0	8	22	1	5	2	4	2	6	5	5	1		
	15	15	1009.8	-	13.8	2.5	11.5	73	6.6	0	0	4	19	8	0	0	0	0	0	2	11	7	9	2	0	0	0	13	17	1	3	5	7	3	2	5	3	2	
	21	21	1010.5	-	10.7																																		



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS

MAY,

1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)					VISIBILITY (Metres and Kilometres)							WIND SPEED AND DIRECTION																	
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-10 m.	40-100 m.	200-300 m.	400-500 m.	1000-1000 m.	2000-3000 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																									3 or more	4	5	6									
																									SPEED IN KNOTS												
																									3 or more	22-33	11-21	1-10	0								
Number of Observations																																					
4. MIDLAND COUNTIES - contd.																																					
Little Rissington [Gloucester]																																					
229	3	1010.2	-	7.7	0.4	10.0	94	6.4	0	3	4	8	14	2	0	0	4	2	3	5	7	3	2	5	0	1	4	25	1	1	2	2	3	3	12	2	5
	9	1010.7	-5.7	10.0	1.2	10.4	85	6.8	0	1	3	14	13	0	0	0	0	2	2	9	9	3	6	0	0	13	16	2	3	2	2	4	5	7	4	2	
	15	1009.4	-	13.3	3.0	10.3	67	6.6	0	0	4	19	8	0	0	0	0	0	1	5	6	13	6	0	0	16	13	2	1	2	4	3	5	8	4	2	
	21	1010.5	-	10.2	1.4	10.4	83	5.9	0	5	3	15	8	0	0	0	0	1	3	7	10	6	4	0	0	4	24	3	0	1	5	3	5	8	0	6	
5. ENGLAND, S.E.																																					
Heathrow [Greater London]																																					
26	3	1010.3	-	9.6	0.9	10.7	89	5.6	1	5	4	14	7	0	0	1	0	0	3	13	11	3	0	0	0	8	21	2	2	3	2	3	8	5	4	2	
	9	1010.8	-	12.7	2.1	11.2	76	6.5	0	0	9	15	7	0	0	0	0	0	4	9	9	8	1	0	0	16	15	0	1	2	5	5	4	9	2	3	
	15	1009.9	-	15.7	3.8	11.1	63	6.1	0	0	10	17	4	0	0	0	0	0	2	3	14	7	5	0	0	16	15	0	3	0	5	5	6	7	4	1	
	21	1010.6	-	12.5	2.0	11.2	77	5.6	0	5	5	15	6	0	0	0	0	0	3	11	14	3	0	0	0	8	21	2	1	0	8	2	10	3	3	2	
Kew [Greater London]																																					
10	3	1011.0	-6.7	12.8	2.4	11.2	75	5.8	0	2	11	11	7	0	0	0	0	1	3	10	5	8	4	0	0	11	17	3	1	1	4	1	8	9	3	1	
	9	1008.9	-	15.4	4.1	10.9	63	6.0	0	2	9	14	6	0	0	0	0	0	1	9	8	8	6	0	0	14	16	1	3	0	4	5	5	8	4	1	
	21	1009.6	-	12.0	2.1	11.0	78	4.9	0	7	9	10	5	0	0	0	0	0	2	11	8	10	0	0	0	3	24	4	0	1	7	1	7	7	2	2	
Gatwick [Sussex]																																					
59	3	1010.8	-	8.0	0.3	10.3	95	5.3	1	3	10	10	6	1	1	1	0	7	8	11	2	0	0	0	0	1	24	6	2	0	3	1	7	8	1	3	
	9	1011.3	-	12.1	1.4	11.8	83	6.6	0	0	5	17	9	0	0	0	1	5	11	11	2	1	0	0	0	11	19	1	1	3	3	7	9	1	3		
	15	1010.4	-	15.0	3.1	11.6	69	6.3	0	0	8	18	5	0	0	0	0	0	9	14	5	3	0	0	0	14	17	0	2	1	6	4	5	10	2	1	
	21	1011.2	-	10.7	1.0	11.5	88	5.4	1	5	5	15	5	0	0	0	0	5	17	6	3	0	0	0	0	2	27	2	0	3	5	1	7	9	3	1	
Dungeness [Kent]																																					
7	3	1010.9	-	9.8	0.7	11.1	91	4.3	3	9	7	3	9	0	0	0	0	1	12	7	9	1	0	1	12	18	0	2	1	4	0	11	6	6	1		
	9	1011.7	-	11.6	1.3	11.6	85	6.0	1	3	7	9	11	0	0	0	0	1	13	11	6	0	0	1	15	14	1	1	1	7	1	9	7	3	1		
	15	1010.9	-	13.4	2.1	11.8	77	5.2	0	5	10	8	8	0	0	0	0	2	11	7	11	0	0	1	17	13	0	1	1	11	1	6	4	7	0		
	21	1011.3	-	10.7	0.9	11.5	89	5.2	1	5	10	8	7	0	0	0	0	0	14	7	10	0	0	0	14	17	0	0	1	7	1	10	6	4	2		
Deal [Kent]																																					
10	3	1010.4	-	10.2	0.9	11.1	88	5.5	0	6	6	10	9	0	0	0	0	2	5	12	12	0	0	0	7	21	3	1	1	2	0	8	5	9	2		
	9	1011.3	-	12.2	1.5	11.8	82	6.4	0	1	5	14	11	0	0	0	1	2	1	16	8	3	0	0	0	14	17	0	2	1	4	3	6	9	4	2	
	15	1010.6	-	13.0	2.0	11.6	77	5.6	0	5	7	11	8	0	0	0	0	1	14	11	4	0	0	0	19	11	1	1	6	5	2	10	3	1			
	21	1011.2	-	11.3	1.0	11.8	87	5.5	2	5	5	5	13	0	0	0	0	0	13	12	5	0	0	0	7	21	2	0	3	3	5	4	6	6	1		
Manston [Kent]																																					
15	3	1011.0	-	9.4	0.6	11.0	92	5.4	1	4	9	8	9	0	0	0	1	1	1	8	11	8	1	0	0	9	22	0	2	2	1	5	7	13	0	1	
	9	1011.8	-	12.4	1.6	11.8	81	6.5	0	1	6	14	10	0	0	0	1	3	7	9	7	4	0	0	15	16	0	2	1	2	5	3	12	1	5		
	15	1011.0	-	14.4	2.6	11.9	72	5.6	0	3	10	12	6	0	0	0	0	1	9	8	9	4	0	0	19	12	0	2	4	8	1	2	8	5	1		
	21	1011.5	-	10.8	0.9	11.7	89	5.4	1	3	10	10	7	0	0	0	0	1	10	11	7	2	0	0	10	20	1	1	1	7	4	5	11	1	0		
Thorney Island [Sussex]																																					
4	3	1010.8	-	9.1	0.5	10.8	92	4.9	1	8	6	9	7	0	0	1	0	1	0	10	14	4	1	0	0	10	20	1	3	2	3	3	1	10	5	3	
	9	1011.4	-5.1	12.0	1.4	11.8	83	6.2	0	2	7	11	11	0	0	0	0	3	11	7	6	4	0	0	16	15	0	2	1	5	5	6	6	3	3		
	15	1010.7	-	13.9	2.3	12.0	75	6.4	0	2	3	20	6	0	0	0	0	2	7	7	10	5	0	0	22	9	0	2	1	6	6	5	9	2	0		
	21	1011.2	-	11.0	0.8	11.9	90	5.4	1	3	9	13	5	0	0	0	1	1	10	12	6	1	0	0	7	24	0	0	4	5	0	4	8	8	2		
East Hoathly [Sussex]																																					
41	3	1011.6	-	12.5	1.9	11.5	79	6.6	0	2	3	18	8	0	0	0	1	0	1	6	13	10	0	0	0	9	22	0	1	0	7	1	5	8	3	6	
	9	1010.7	-	14.9	3.0	11.6	69	6.5	0	1	5	17	8	0	0	0	0	1	7	10	13	0	0	0	18	13	0	1	1	8	4	4	9	4	0		
	21	1011.4	-	10.2	0.7	11.4	91	4.7	1	9	5	10	6	0	0	0	2	0	6	13	10	0	0	0	2	29	0	1	2	8	2	10	4	3	1		
Eastbourne C.G. [Sussex]																																					
7	3	1011.4	-5.1	12.1	1.5	11.7	83	5.7	1	1	10	9	10	0	0	0	0	0	18	13	0	0	0	1	11	17	2	3	0	6	1	8	4	6	1		
	9	1010.4	-	13.8	1.9	12.5	79	5.5	0	0	14	10	6	0	0	0	0	0	13	17	0	0	1	1	13	12	3	0	0	10	1	4	4	7	1		
	21	1010.9	-	11.1	1.1	11.5	86	4.8	2	3	12	9	4	0	0	0	0	0	10	20	0	0	0	1	5	18	6	2	0	5	0	6	2	8	1		
Abingdon [Berkshire]																																					
71	3	1010.1	-	8.4	0.6	10.3	92	5.5	1	5	5	11	8	1	1	0	2	1	2	12	11	2	0	0	0	3	24	4	0	3	6	1	3	9	1	4	
	9	1010.7	-	11.6	1.5	11.2	82	6.5	0	3	3	15	10	0	0	0	2	2	12	9	6	0	0	0	10	19	2	3	2	3	3	6	5	4	3		
	15	1009.8	-	14.9	3.3	11.2	66	6.5	0	0	7	17	7	0	0	0	0	1	9	11	9	1	0	0	12	19	0	1	2	4	3	7	6	5	3		
	21	1010.5	-	11.4	1.5	11.1	82	5.5	0	5	8	12	6	0	0	0	1	0	2	13	12	2	1	0	0	2	28	1	2	0	5	3	7	4	7	2	
Hurn [Hampshire]																																					
14	3	1010.3	-	8.8	0.7	10.4	91	5.3	5	1	7	8	10	0	0	0	2	6	9	10	3	1	0	0	2	24	5	1	2	1	2	6	8	4	2		
	9	1010.8	-	12.2	1.8	11.2	79	6.4	0	0	9	12	10	0	0	0	0	2	8	10	7	4	0	0	13	17	1	2	2	3	6	6	7	2			
	15	1010.1	-	14.6	2.7	11.9	72	6.3	0	1	7	15	8	0	0	0	0	4	3	6	11	7	0	0	15	16	0	1	1	5	4	7	9	3	1		
	21	1010.7	-	10.9	1.1	11.3	86	5.5	0	6	7	13	5	0	0	0	1	5	7	7	10	1	0	0	3	27	1	0	0	3	3	4	10	7	3		
S. Farnborough [Hampshire]																																					
70	3	1010.6	-	8.6	0.5	10.4	92	5.5	2	4	6	10	9	0	0	1	0	0	4	10	8	7	1	0	0	4	20	7	0	1	3	2	2	10	4	2	
	9	1011.0	-5.5	12.3	1.7	11.5	79	6.8	0	2	3	17	9	0	0	0	0	6	7	5	8	5	0	0	11	19	1	0	2	1	7	5	7	5	3		
	15	1010.1	-	15.2	3.2	11.5	67	6.5	0	0	6	18	7	0	0</																						



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS

MAY,

1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)								WIND SPEED AND DIRECTION																		
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-1/2 m.	40-100 m.	200-300 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
																									SPEED IN KNOTS															
																									8 or more	4-7	4-5	1-3	Calm											
																									34 or more	22-33	11-21	1-10	0											
Number of Observations																																								
Speke [Lancashire]	26	3	1009.2	-	8.9	0.6	10.6	91	5.4	0	6	6	12	7	0	0	0	0	0	1	11	5	6	7	1	0	0	5	24	2	2	3	7	5	3	3	2	4		
		9	1009.9	-	11.2	1.4	11.2	84	6.4	0	2	4	17	8	0	0	0	0	0	0	4	12	6	8	1	0	0	7	24	0	2	3	2	6	8	0	7	3		
		15	1009.4	-	13.6	2.4	11.6	74	6.2	0	2	8	10	11	0	0	0	0	0	0	0	4	12	6	5	0	1	14	16	0	2	1	4	5	7	2	8	2		
		21	1009.8	-	11.1	1.1	11.5	86	5.9	0	3	8	14	6	0	0	0	0	1	0	7	11	6	4	2	0	0	6	24	1	3	2	7	3	4	6	0	5		
		76	3	1009.6	-	8.6	0.9	9.9	88	6.0	0	4	5	13	9	0	0	0	0	0	8	12	10	1	0	0	0	5	20	6	2	3	5	2	7	3	2	1		
Ringway [Cheshire]		9	1010.2	-5.9	10.7	2.0	9.7	75	6.6	0	2	2	17	10	0	0	0	0	0	5	17	4	5	0	0	0	10	21	0	2	4	3	3	7	6	3	3			
		15	1009.7	-	13.3	3.1	10.1	66	6.5	0	1	7	11	12	0	0	0	0	2	2	11	9	7	0	0	0	14	15	2	0	3	3	2	7	5	5	4			
		21	1010.2	-	10.5	1.4	10.6	82	5.9	0	3	8	11	9	0	0	0	0	1	8	18	3	1	0	0	0	6	23	2	2	1	9	3	4	4	2	4			
		7b.	NORTH WALES																																					
Valley [Anglesey]		11	3	1008.8	-	8.6	0.6	10.3	92	6.0	1	1	10	6	13	0	0	0	0	2	2	2	7	7	6	5	0	1	15	13	2	1	3	6	2	9	4	2	2	
		9	1009.5	-6.4	10.7	1.3	10.8	83	6.4	0	3	3	16	9	0	0	0	0	0	1	1	7	10	6	6	0	0	21	10	0	1	3	4	3	11	4	2	3		
		15	1009.3	-	12.2	2.0	10.9	77	6.1	0	3	6	12	10	0	0	0	0	2	0	1	6	7	9	6	0	2	19	9	1	4	4	3	0	9	7	0	3		
		21	1009.5	-	9.9	0.9	10.8	88	5.7	0	5	5	13	6	2	0	0	1	2	1	1	4	14	1	7	0	0	14	16	1	4	3	5	3	9	4	2	0		
Bardsey Island [Caernarvon]		19	3	1008.9	-	8.9	0.4	10.8	94	6.2	1	2	8	4	10	6	0	2	4	0	0	0	7	9	8	1	0	2	14	11	4	5	0	3	3	8	2	2	4	
		9	1009.5	-	9.9	0.7	11.1	91	6.3	0	2	7	9	8	5	0	2	1	2	0	0	5	8	12	1	0	2	14	15	0	2	3	6	5	9	1	2	3		
		15	1009.4	-	11.1	0.9	11.8	89	6.3	0	2	6	10	11	2	0	0	1	3	0	0	4	8	14	1	0	0	15	15	1	6	0	6	3	6	5	2	2		
		21	1009.4	-	9.7	0.6	11.1	92	6.5	1	0	7	7	13	3	0	1	2	0	0	0	7	7	10	4	0	0	14	14	3	5	2	4	3	5	7	1	1		
8a. SOUTH WALES			Aberporth [Cardigan]																																					
		134	3	1009.1	-	8.4	0.7	10.0	90	5.6	2	5	3	14	6	1	0	0	0	1	1	1	11	8	7	2	0	1	14	14	2	0	3	2	3	11	1	6	3	
		9	1009.5	-6.3	10.2	1.2	10.5	84	6.5	0	2	3	14	12	0	0	0	0	0	1	1	7	15	6	1	0	1	15	14	1	3	1	1	4	10	5	4	2		
		15	1009.3	-	11.6	1.6	11.0	81	6.4	0	1	6	17	7	0	0	0	0	1	0	1	10	10	5	4	0	1	16	13	1	4	3	1	3	7	3	4	5		
		21	1009.7	-	9.8	1.1	10.5	86	6.0	0	5	3	14	9	0	0	0	0	1	1	9	9	6	5	0	0	16	11	4	3	0	3	3	5	9	3	1			
Milford Have C.B. [Pembroke]		39	3	1009.5	-	9.4	0.8	10.6	89	6.0	3	2	4	5	14	3	0	1	1	1	1	0	16	6	5	0	0	0	15	12	4	3	0	5	3	5	2	6	3	
		9	1009.6	-	10.6	1.2	10.9	85	6.4	1	1	7	6	15	1	0	0	0	1	0	3	14	8	5	0	0	0	13	14	4	0	1	4	7	2	6	3	4		
		15	1009.6	-	12.4	2.1	11.0	76	5.7	0	3	10	6	12	0	0	0	0	0	2	17	6	6	0	0	0	1	17	12	1	3	0	3	5	5	7	5	2		
		21	1010.0	-	10.6	1.1	11.0	86	6.4	2	0	7	7	13	2	0	0	2	0	0	0	16	12	1	0	0	0	10	13	8	4	2	1	6	2	5	2	1		
Mumbles [Glamorgan]		37	3	1009.4	-	9.4	0.5	11.0	93	5.8	1	3	10	3	12	2	0	1	1	0	0	9	9	7	4	0	3	12	15	1	2	1	6	0	5	6	7	3		
		9	1009.7	-	10.6	0.9	11.4	89	6.6	0	0	7	12	12	0	0	0	0	0	1	2	13	10	4	1	0	3	16	11	1	0	0	13	2	4	4	5	2		
		15	1009.4	-	12.0	1.3	11.9	84	6.4	0	1	9	9	12	0	0	0	0	0	1	1	11	9	6	3	0	4	18	9	0	1	0	8	0	5	10	5	2		
		21	1009.7	-	10.8	0.8	11.7	90	6.3	0	3	4	13	11	0	0	0	1	0	0	0	14	9	4	3	0	1	17	13	0	0	1	7	1	4	9	3	6		
Rhoose [Glamorgan]		69	3	1009.9	-	8.8	0.7	10.3	90	6.1	1	1	8	8	12	1	0	1	0	0	1	2	8	10	7	2	0	0	7	23	1	0	2	4	3	5	3	10	3	
		9	1010.2	-6.3	10.8	1.3	11.0	84	6.5	0	1	5	15	10	0	0	0	0	0	1	1	10	11	4	4	0	0	13	17	1	0	2	7	9	2	1	7	2		
		15	1009.7	-	12.9	1.9	11.6	78	6.7	0	1	3	16	11	0	0	0	0	0	2	5	10	10	4	0	0	18	13	0	1	1	6	4	4	2	9	4			
		21	1010.3	-	10.3	1.0	11.0	87	6.1	1	3	5	14	8	0	0	0	0	0	1	3	8	12	4	3	0	0	5	24	2	2	1	3	6	0	3	10	4		
8b. ENGLAND, S.W.			Yeovilton [Somerset]																																					
		23	3	1010.5	-	8.6	0.6	10.3	90	5.6	2	3	8	6	11	1	0	1	0	0	0	10	20	0	0	0	0	6	18	7	0	1	3	2	7	5	5	1		
		9	1010.7	-	12.1	1.8	11.2	79	6.8	0	1	3	17	10	0	0	0	0	0	1	2	20	8	0	0	0	0	20	7	4	0	2	1	4	9	1	8	2		
		15	1010.2	-	14.4	2.8	11.5	70	6.8	0	0	6	14	11	0	0	0	0	0	0	1	13	12	5	0	0	0	21	9	1	3	0	2	3	8	7	6	1		
		21	1010.6	-	10.8	1.3	11.0	84	5.8	0	4	8	11	8	0	0	0	0	0	0	5	18	7	1	0	0	0	8	18	5	1	1	2	6	6	4	5	1		
Portland Bill [Dorset]		54	3	1010.9	-	9.3	0.5	10.9	93	5.3	3	7	7	10	1	0	1	0	0	0	0	14	6	0	0	3	12	12	4	3	0	4	4	3	6	4	3			
		9	1011.1	-	10.6	0.7	11.6	90	6.2	0	2	6	13	9	1	0	1	0	1	0	1	10	10	7	1	0	3	16	11	1	0	1	8	3	4	5	6	3		
		15	1011.0	-	11.8	1.2	11.9	86	5.5	2	3	8	7	10	1	0	0	1	1	0	2	9	7	10	1	0	3	15	13	0	0	0	5	4	5	4	11	2		
		21	1011.2	-	10.0	0.5	11.5	93	5.3	1	5	9	7	8	1	0	1	0	0	1	2	10	10	7	0	0	2	14	14	1	0	0	5	1	5	5	6	8		
Hartland Bill [Devon]		93	3	1009.0	-	9.4	0.6	10.8	91	6.1	0	4	6	9	11	1	0	1	0	1	0	6	13	8	2	0	1	18	11	1	2	2	5	2	3	7	7	2		
		9	1009.1	-	10.6	1.0	11.2	87	6.3	0	1	9	14	6	1	1	0	0	0	0	0	10	10	8	2	0	2	13	13	3	0	3	3	5	4	3	7	3		
		15	1009.2	-	11.8	1.4	11.6	83	5.6	0	6	5	13	5	1	0	1	0	0	0	0	8	12	8	1	0	3	17	10	0	1	5	1	3	1	4	13	2		
		21	1009.4	-	10.3	0.9	11.2	89	6.2	1	2	5	11	11	1	0	1	0	0	0	1	9	12	6	2	0	0	18	10	3	3	0	3	3	3	6	8	2		
Mount Batten [Devon]		30	3	1010.1	-	9.3	0.6	10.9	92	6.0	2	1	8	5	15	0	0	0	0	0	3	15	8	5	0	0	0	9	17	5	2	0	4	4	3	4	7	2		
		9	1010.3	-6.0	11.3	1.4	11.2	84	6.4	0	1	7	12	11	0	0	0	0	0	3	8	9	10	1	0	1	16	13	1	0	0									



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS MAY, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)								WIND SPEED AND DIRECTION															
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																									SPEED IN KNOTS												
																									8 or more	6-7	4-5	1-3	Calm								
																									34 or more	22-33	11-21	1-10	0								
																									Number of Observations												
9 NORTHERN IRELAND — contd.																																					
Aldergrove [Antrim]																																					
73	3	1008.8	-	7.7	0.6	9.8	91	6.4	0	4	2	14	11	0	0	1	0	0	1	7	10	3	9	0	0	0	3	28	0	5	2	13	1	6	3	0	1
	9	1009.1	-6.8	10.0	1.3	10.2	83	6.6	0	1	3	17	10	0	0	0	0	0	1	5	4	10	5	6	0	0	10	21	0	4	2	8	5	2	5	2	3
	15	1008.9	-	12.8	2.4	10.8	73	6.4	0	0	6	18	7	0	0	0	0	0	1	1	4	8	7	10	0	0	14	17	0	5	2	1	8	4	7	2	2
	21	1009.3	-	9.4	1.0	10.3	86	5.6	0	7	4	10	10	0	0	0	0	0	1	3	9	7	8	3	0	0	6	24	1	5	2	6	8	5	2	0	2
CHANNEL ISLANDS																																					
Guernsey																																					
	3	1011.5	-	9.6	0.8	10.8	90	4.4	2	5	12	10	2	0	0	0	0	0	0	5	8	9	9	0	0	13	17	1	1	2	3	2	8	6	4	4	
	9	1011.6	-	11.0	1.1	11.5	87	5.5	0	6	6	12	7	0	0	1	0	0	1	0	5	8	8	8	0	0	22	8	1	2	1	3	3	10	3	5	3
	15	1011.2	-	12.9	1.8	11.9	79	5.0	0	8	5	14	4	0	0	0	0	0	0	5	7	12	7	0	1	21	8	1	1	2	3	4	5	6	8	1	
	21	1012.0	-	10.5	1.0	11.2	88	5.2	0	7	6	11	7	0	0	0	0	0	1	2	1	10	11	6	0	0	16	13	2	0	2	4	2	2	9	7	3

TABLE VIII—NUMBER OF DAYS IN MAY, 1969  
WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION									MAXIMUM TEMPERATURE °C.								MINIMUM TEMPERATURE °C.								STATION									MAXIMUM TEMPERATURE °C.								MINIMUM TEMPERATURE °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 .. ..	0	0	23	7	1	0	0	0	0	0	0	0	14	17	0	0	Edgbaston .. ..	0	0	2	14	15	0	0	0	0	0	0	0	0	4	21	6	0															
Stornoway .. ..	0	0	10	19	2	0	0	0	0	0	0	1	6	24	0	0	Kew .. ..	0	0	1	10	15	4	1	0	0	0	0	0	6	19	6	0																
Craibstone .. ..	0	0	13	14	4	0	0	0	0	0	0	0	16	15	0	0	Hastings .. ..	0	0	0	20	8	3	0	0	0	0	0	0	2	21	8	0																
Rothsay .. ..	0	0	4	19	8	0	0	0	0	0	0	0	9	21	1	0	Southampton .. ..	0	0	0	6	23	2	0	0	0	0	0	0	3	21	7	0																
Abbots'inch .. ..	0	0	3	17	11	0	0	0	0	0	0	1	9	19	2	0	Stonyhurst .. ..	0	0	2	19	10	0	0	0	0	0	0	1	9	18	3	0																
Eskdalemuir .. ..	0	0	6	17	8	0	0	0	0	0	0	2	13	16	0	0	Bidston .. ..	0	0	2	21	8	0	0	0	0	0	0	4	23	4	0																	
Douglas .. ..	0	0	4	26	1	0	0	0	0	0	0	0	6	25	0	0	Valley .. ..	0	0	2	22	7	0	0	0	0	0	0	2	27	2	0																	
Acklington .. ..	0	0	7	18	6	0	0	0	0	0	0	0	11	20	0	0	Falmouth .. ..	0	0	0	28	3	0	0	0	0	0	0	3	21	7	0																	
Gorleston .. ..	0	0	4	17	9	1	0	0	0	0	0	0	1	22	8	0	Aldergrove .. ..	0	0	2	17	12	0	0	0	0	0	0	7	23	1	0																	
Cambridge .. ..	0	0	1	6	21	2	1	0	0	0	0	0	5	21	6	0	Armagh .. ..	0	0	1	14	16	0	0	0	0	0	0	9	21	1	0																	

TABLE XIII—SOLAR RADIATION AND ILLUMINATION, MAY, 1969

STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						DIFFUSE RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						TOTAL ILLUMINATION ON A HORIZONTAL SURFACE kilolux-hours					
	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days
Lerwick .. ..	787	26	54	14	350.9	31	379	20	54	14	228.5	31	807	26	66	14	367.9	31
Eskdalemuir .. ..	630	18	60	6	295.3	31	337	1	62	6	219.2	31	737	18	49	5	344.3	31
Cambridge .. ..	655	1	163	10	404.1	31	372	23	161	10	261.6	31	-	-	-	-	-	-
London W/Centre .. ..	628	28	101	6	378.3	31	330	23	92	6	234.0	31	746	28	130	6	456.8	31
Kew .. ..	708	28	141	6	389.7	31	339	23	134	6	248.7	31	831	28	173	6	468.4	31
Bracknell .. ..	611	22	132	6	375.1	31	363	23	116	6	260.9	31	808	22	184	6	505.4	31
Aberporth .. ..	714	16	161	13	429.3	39	352	21	152	2	257.8	30	-	-	-	-	-	-
Aldergrove .. ..																		
Jersey Airport .. ..	795	21	95	5	514.8	31	349	30	93	5	229.1	31	899	21	129	5	611.3	31



TABLE II—ADDITIONS MAY, 1969.

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
			Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)			22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
						Dates of Occurrence	Duration (hr)	No.of days	Duration in Hours				Veer from N	Speed in knots	Hour ended at day hour		Veer from N	Speed in knots	Day and Time																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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TABLE III—ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	Max. Terminal hr. GMT Min. of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE				
					MEANS OF		Daily Mean (mean of A & B)	Difference from 1931—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1910—50 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Glass min. below 0°C.	Concrete min. below 0°C.	Gale	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure		
					Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date	0.2 mm or more	1.0 mm or more															
1968	April	Portland Bill C. G.																																	
	November	Nairn																																	
	December	Valley			7.5																														
		Everton			6.6		4.3																												
		Shoeburyness																																	
1969	January	Houghall			8.5		4.6	+2.1	12.8		22, 23																								
		Wisley			8.5	3.7	6.1	+2.4	12.8		25		-2.8	1	(5.8)	(6.9)	85	137	13	12	22	14	-	1	-	-	-								
		Torbay (Torquay)				4.9	7.7	+1.8					-1.7	2																					
		Clatteringshaws																																	
	February	Stone			2.7	-3.6	-0.5	-	7.2		5.11		-15.6	8	-	-	193	75	25	20	28	28													
		Totnes															59	109	11	10	21	12	-	10	-	-	-	8	20	20	-	-	1.58	-	-
1961	November	Hillsborough			8.3		5.8	-0.5																											
1962	November	Pubble Forest				2.2																													
	Year				3.8		7.7																												
1966	January	Lisnaskea			6.0		3.8																												
	October	Ballypatrick For.																																	
		Pomeroy Forest																																	
		Ballymoney																																	
1967	December	Ballymoney																																	



DUPLICATE ALSO

Met. O. 813

# Monthly Weather Report OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntary observers.

Volume 86 Number 86

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June 1969 — Sunny but with some heavy rain at times

For most of the first fortnight high pressure was centred in the North Sea. Thereafter depressions to the west or north-west of the British Isles were predominant until high pressure returned to the southern half of the country near the end of the month.

**Weather** — The weather was unsettled at first in the west and north but it became fine and dry nearly everywhere by the end of the first week. However, from mid-month it was changeable; rainfall was sometimes heavy and thundery and a number of exceptional falls were reported. Dry weather returned to southern districts on the 26th. The opening day of the Wimbledon tennis championships (23rd) was cancelled due to rain, the first time that there has been no play on the first day since 1922. East Midland and East Anglian farmers continued to be hampered by wet fields and an estimated 80,000 acres in these areas intended for cropping had not been planted. On the other hand very dry conditions existed in parts of western Scotland.

**Wind** — The frequency of gales was everywhere about average. They occurred locally on 4 days in England and Wales but otherwise were reported only on the 26th, from west Scotland. A few gusts approached 50 kt in south-west England on the 17th and 18th during a spell of strong southerly winds.

**Temperature** — Monthly mean temperature was near the normal in most districts but it was about 1 deg C above average in parts of north Scotland and around 1 deg C below average in places in eastern England.

It was cool at first especially at night and slight air frost occurred in a few places; another cool spell lasted from the 19th to 25th. Among the minima recorded during the month were: -4.4°C at Moor House (Westmorland), 556 m. on the 7th; -3.9°C at Grantown-on-Spey (Moray), 229 m, and -2.2°C at Alwen (Denbighshire), 335 m, on the 5th; -1.0°C at Loughermore Forest (Co. Londonderry) on the 4th.

It was very warm by day in most areas during the second week and also in the south during the last week. Maxima for the month included: 27.9°C at Strabane Convent (Co. Tyrone) on the 11th; 27.4°C at Southampton on the 13th; 26.7°C at Paisley (Renfrewshire) on the 11th, at Ceins (Montgomeryshire) on the 13th and at Poolewe (Ross and Cromarty) on the 15th.

**Rainfall** — Less than half the average rainfall occurred in parts of Sutherland, Moray (where it was the driest June at Gordon Castle since 1932), Banffshire and central Wales. About half the normal amount fell over large areas of the south Midlands and central southern England. In contrast nearly twice the average rainfall occurred in parts of the counties of Berwick, Stirling and Clackmannon and in places in north-east England. At Dumfries it was the wettest June since 1948. In Northern Ireland rainfall was generally above average except near the coasts.

The month began rather wet, especially in the north and north-west but it became mainly dry in most areas from the 5th to 13th. The dry spell ended in the northern half of England on the 14th when thunderstorms occurred. At Worsbrough Dale, two miles south of Barnsley (West Riding of Yorkshire), over 59 mm of rain fell in 45 minutes; this constitutes a 'very rare' fall of rain and, statistically, may be expected to occur only on 1 day in about 160 years. The next day more heavy rain occurred in many areas. At Dudley (Worcestershire), nearly 35 mm fell in 18 minutes; this is classified as a 'remarkable' fall of rain which can be expected to occur only, on average, on 1 day in about 40 years. Also on the 15th, more than 11 mm fell in 6 minutes near Newcastle-under-Lyme (Staffordshire). Local flooding followed the heavy storms and power failures occurred in northern England and southern Scotland.

During the next ten days or so further heavy rain occurred at times in widely separated places. On the 17th a 'daily' fall of more than 52 mm was recorded at Maxwellton House (Dumfriesshire) and rain was widespread and heavy in South Wales and south-west England. Another 'remarkable' rainfall occurred at Leigh Holt, near Street (Somerset), on the 18th where almost 59 mm fell in 3 hours.

At Tollymore Park Forest (Co. Down) 63 mm were recorded in the 24-hour period ending 0900 GMT on the 20th. Although the south was mainly dry after the 25th more heavy rain occurred at times in Northern Ireland, Scotland and extreme northern England.

Thunder was reported locally on 11 days in England, 10 days in Scotland, 6 days in Wales and 4 days in Northern Ireland. On the 14th and 15th thunderstorms were very severe in the Midlands. Lightning strikes occurred in many places; a youth was killed in Staffordshire, people were injured in a number of places and property was damaged. At Barnsley, on the 14th, the Press reported hailstones "as big as pennies" which wrecked gardens.

**Sunshine** — Sunshine amounts were above average everywhere with the sole exception of St. Andrews (Fife) where slightly less than normal was recorded. At the London Weather Centre it was the sunniest June since records began in 1929 while at many other places it was the sunniest June for 10 years or more. Sunshine was particularly abundant during the second week.

**Fog** — Sea fog affected many east coast areas from the 10th to 15th and persisted all day in a few places.

**Miscellaneous Phenomena** — A number of excellent displays of optical phenomena were observed during the month both by day and by night. Noctilucent clouds were seen in west and south-west Scotland on the 11th and 25th and at Bracknell (Berkshire) on the 19th but there were no reports of the aurora.

TABLE I—DISTRICT VALUES, June 1969

DISTRICTS	AIR TEMPERATURE °C					EARTH TEMP. °C		RAIN DAYS	RAIN-FALL	SUNSHINE
	*Highest Max.	*Lowest Min.	Max.	Min.	Mean	Mean 30 cm.	Mean 122 cm			
	Difference from Average							% of Average		
0 SCOTLAND, N.	22.6	1.0	+1.0	+0.1	+0.5	+0.3	-0.5	-3	86	116
1 SCOTLAND, E.	25.0	2.2	+0.6	+0.1	+0.4	+0.5	+0.1	-1	101	115
2 ENGLAND, N.E.	24.4	-0.6	-0.4	-0.9	-0.6	+0.3	-0.1	-1	155	129
3 ENGLAND, E.	25.6	2.2	-0.9	-0.9	-0.9	-0.2	-0.1	-1	96	126
4 MIDLANDS	26.7	1.7	-0.2	-1.0	-0.6	+0.2	0.0	0	100	137
5 ENGLAND, S.E.	25.6	1.5	-0.5	-0.9	-0.7	-0.4	-0.4	-2	68	119
6 SCOTLAND, W.	25.3	0.9	+0.3	-0.6	-0.1	+0.3	+0.0	-1	111	120
7 ENGLAND, N.W. and N.Wales	24.6	1.7	+0.1	-0.7	-0.3	-0.4	-0.5	-1	118	129
8 ENGLAND, S.W. and S.Wales	25.6	1.1	+0.1	-0.6	-0.2	-0.4	0.0	-1	89	129
N.IRELAND	25.0	1.7	+0.4	-1.3	-0.5	-	-	-1	111	120
SCOTLAND	25.3	0.9	+0.6	-0.1	+0.3	-	-	-2	97	117
ENG. and WALES	26.7	-0.6	-0.3	-0.8	-0.5	-	-	-1	102	128

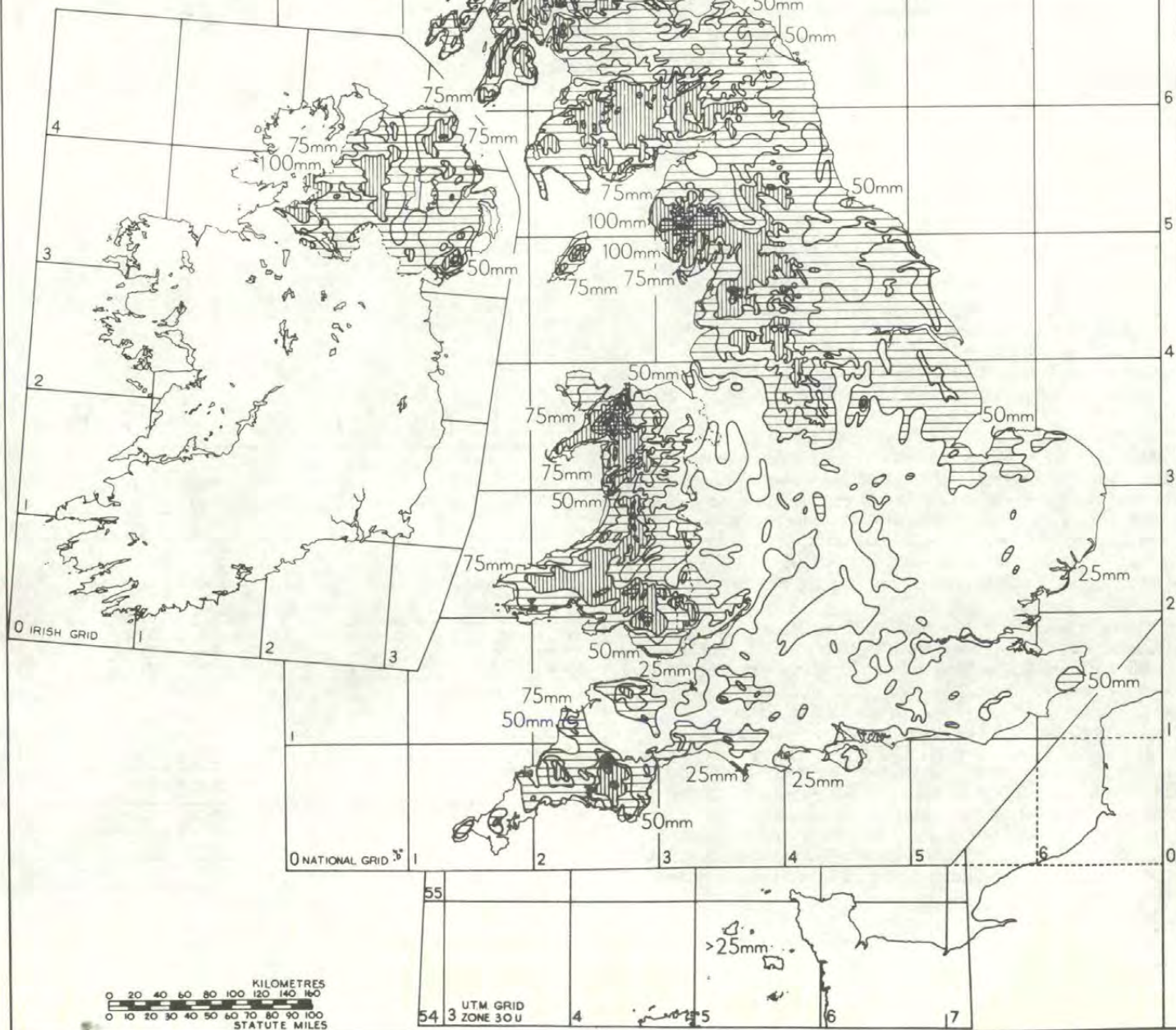
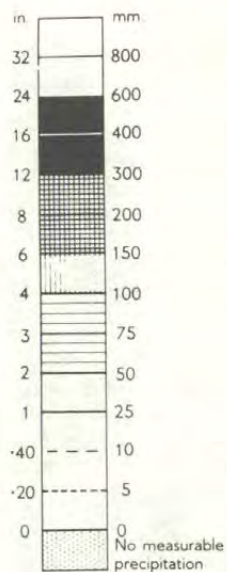
\*Highest Max. and Lowest Min. of the District Value Stations.



# RAINFALL

JUNE 1969

The equivalent values in inches  
are given in round numbers.  
The exact relation is 10 in. = 254 mm.





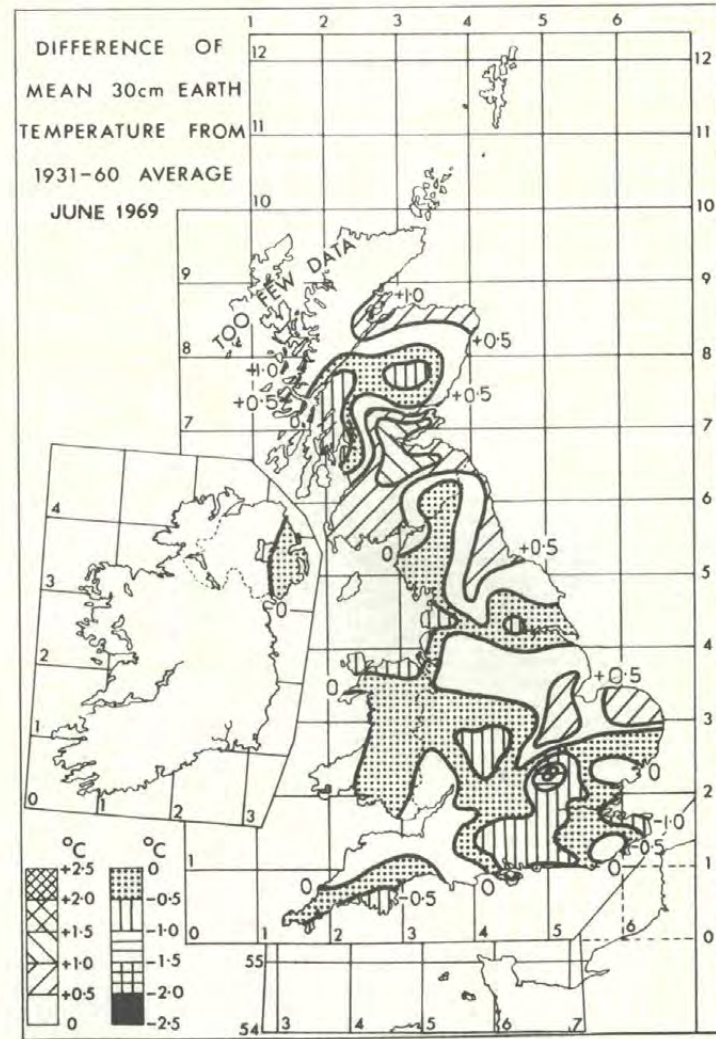
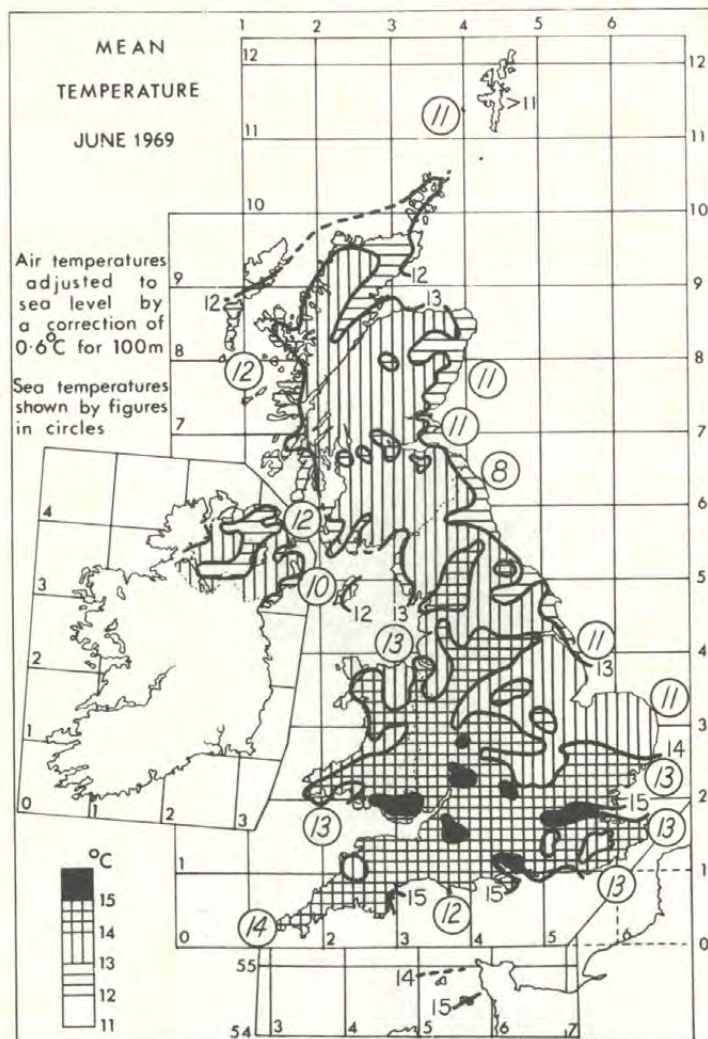
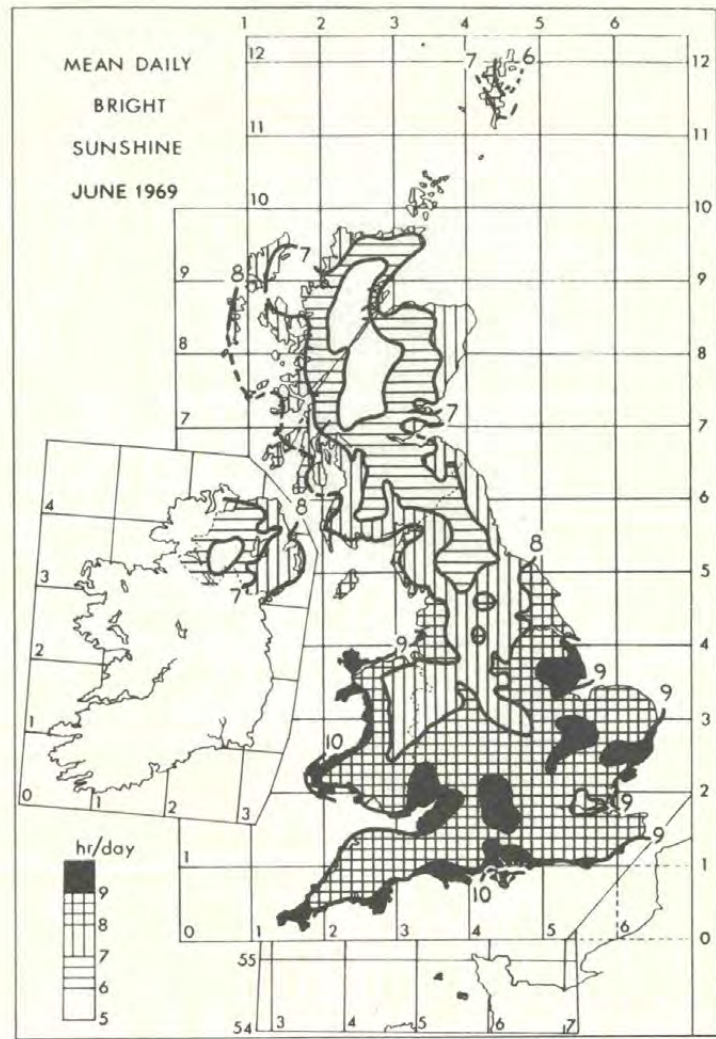
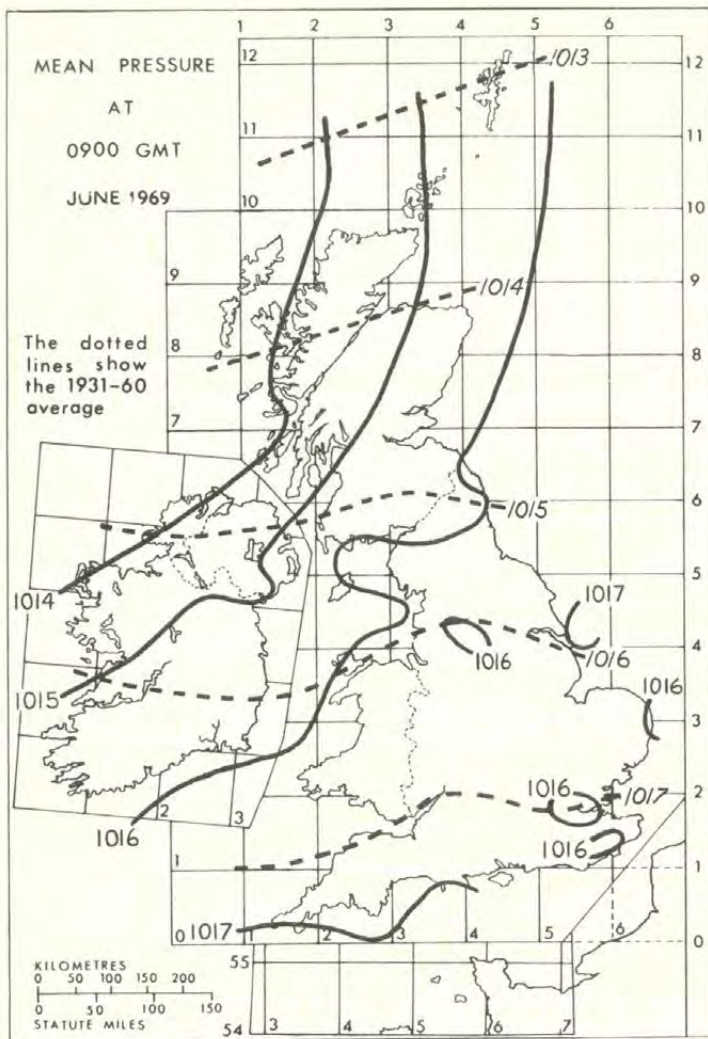




TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—

JUNE,

1969

DISTRICT COUNTY AND PLACE		HEIGHT OF VANE IN METRES		DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES								
		Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots		4 to 10 knots		Less than 4 knots		No Record		HIGHEST HOURLY WIND			HIGHEST GUST			
					Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours				No Record			Veer from N	Speed in knots	Hour ended at day hour	Veer from N	Speed in knots	Day and Time			
0 SCOTLAND N.																							
Zetland	Lerwick	93	10	10	-	0	2	12	313	345	50	0	10.5	250	24	28	08	240	37	28	0255		
Orkney	Kirkwall	41	15	10	-	0	6	40	404	221	55	0	12.0	130	27	26	14	130	39	26	1335		
Caithness	Dounreay	34	12	9	-	0	9	78	276	263	103	0	11.4	170	32	26	13	180	46	26	1205		
	Wick	45	10	10	-	0	0	0	279	339	102	0	9.4	140	21	26	11	140	36	26	1045		
Sutherland	Shin	24	10	10	-	0	1	3	193	297	224	3	6.9	280	25	27	14	280	42	27	1400		
Ross &	Stornoway (C'G'd)	37	12	11	-																		
Cromarty	Duirinish	38	20	17	-	0	2	2	205	382	127	4	8.3	180	23	26	14	180	37	26	1310		
Inverness	Benbecula	16	10	10	-	0	4	13	390	286	31	0	11.4	140	33	26	09	140	51	26	0810		
	Corpach	23	15	12	-																		
	Fort Augustus (N.S.H.E.B.)	58	16	16	-	0	0	0	134	269	299	18	5.8	220	21	27	15	210	36	27	1445		
	Dalcross	21	10	10	-	0	1	1	209	305	196	9	7.4	170	23	26	11	170	42	26	1030		
	Cairngorm	1074	9	9	-	0	11	81	314	234	86	5	12.1	300	32	27	19	290	47	27	1815		
1 SCOTLAND E.																							
Moray	Kinloss	17	13	13	-	0	1	1	231	380	108	0	8.5	270	23	27	15	270	33	27	1445		
	Lossiemouth	31	24	18	-	0	1	2	201	414	103	0	8.3	250	24	27	16	140	38	18	1500		
Aberdeen	Dyce	71	9	9	-	0	0	0	216	303	201	0	7.8	170	20	26	13	160	36	26	1210		
	Bell Rock	39	40	38	-																		
Perth	Rannock	307	17	17	-	0	1	3	252	269	173	23	8.0	-	25	27	15	-	36	27	1445		
	Tummel Bridge	161	16	16	-	0	0	0	102	364	254	0	5.5	280	18	27	14	270	33	27	1355		
Fife	Leuchars	24	12	12	-	0	2	7	298	317	98	0	9.6	130	26	18	11	130	35	18	1045		
Midlothian	Turnhouse	42	12	10	-	0	0	0	162	462	96	0	7.7	250	21	27	15	180	34	26	1530		
6a SCOTLAND, W.																							
Argyll	Tiree	27	18	14	26	5	5	16	407	186	106	0	11.4	140	36	26	09	140	51	26	0805		
	Machrihanish	22	12	12	-	0	4	19	215	388	98	0	9.2	160	32	26	07	170	44	26	0650		
Dunbarton	Cumbernauld	166	10	10	-	0	0	0	274	340	86	20	9.3	250	21	27	15	180	33	26	1245		
Renfrew	Paisley	57	25	9	-	0	1	2	89	443	186	0	6.2	180	24	26	14	190	41	26	1310		
	Abbotsinch	16	10	10	-	0	0	0	114	489	117	0	7.1	160	19	26	14	160	32	26	1320		
Larnark	Lowther Hill	736	13	10	**																		
Ayr	Hunterston	12	9	9	*																		
	Prestwick	21	10	10	-	0	1	2	93	423	202	0	6.4	170	24	26	11	180	37	26	1010		
Dumfries	Eskdalemuir	259	10	10	-	0	1	1	150	352	217	0	6.8	200	23	26	18	200	36	26	1735		
Wigtown	West Freugh	25	10	10	-	0	0	0	233	378	109	0	8.5	140	21	17	16	160	33	26	0610		
6b ISLE OF MAN																							
	Ronaldsway	25	10	10	-	0	1	1	159	446	114	0	7.8	200	24	26	16	200	37	26	1535		
	Point of Ayre	20	10	10	-	0	4	14	281	328	97	0	9.5	130	25	26	11	150	37	26	0810		
2 ENGLAND, N.E.																							
Durham	Durham	119	16	10	-	0	0	0	40	252	402	26	3.5	200	15	17	16	030	32	4	0710		
	South Shields	22	17	13	-	0	1	6	165	363	186	0	7.2	360	23	4	14	360	36	4	0750		
Yorks N.R.	Leeming	42	10	10	-	0	0	0	137	384	199	0	6.7	170	19	17	18	170	31	17	1735		
	Middlesbrough	23	19	19	-	0	2	16	298	333	73	0	10.0	360	25	4	10	170	36	17	1705		
Yorks E.R.	Leconfield	18	10	10	-	0	2	9	140	375	196	0	7.0	010	23	4	14	180	34	17	1715		
Lincoln	Cranwell	76	12	12	-	0	0	0	157	467	96	0	7.6	190	20	17	13	190	30	17	1205		
	Binbrook	118	10	10	-	0	0	0	183	440	97	0	8.0	180	20	17	17	180	31	17	1610		
	Manby	26	10	10	-	0	0	0	177	440	103	0	8.0	360	21	4	10	360	32	4	0945		
3 ENGLAND, E.																							
Norfolk	Marham	33	10	10	-	0	0	0	201	396	123	0	7.9	350	20	4	11	350	32	4	1550		
	Watton	71	12	10	-	0	3	17	338	327	38	0	10.7	350	26	4	10	350	43	4	0920		
	Coltishall	29	10	10	-	0	0	0	125	455	140	0	6.9	360	19	4	14	360	30	4	1040		
	Gorleston	16	13	13	-	0	7	38	328	329	24	1	11.4	170	28	20	11	170	42	17	1320		
Suffolk	Mildenhall	30	25	18	-	0	0	0	65	378	277	0	5.2	010	16	4	15	360	33	4	0915		
Bedford	Bedford	98	13	9	-	0	0	0	266	395	59	0	9.2	020	19	4	16	200	30	17	1230		
	Cardington	69	41	41	-	0	0	0	271	375	74	0	9.3	160	20	17	13	150	32	17	1200		
Hertford	Garston	94	15	10	-	0	0	0	32	496	192	0	5.4	360	14	4	13	210	26	17	1105		
	Rothamsted	141	13	10	-	0	0	0	17	503	200	0	5.4	060	13	9	18	010	29	4	1140		
Essex	Stansted	107	9	9	-	0	0	0	208	406	106	0	8.0	360	20	4	13	010	36	4	1230		
	Shoeburyness	36	32	28	-	0	5	30	425	254	11	0	12.5	190	27	17	15	190	38	17	1415		
4 MIDLAND COUNTIES																							
Yorks W.R.	Sheffield	162	25	11	-	0	0	0	125	361	202	32	6.3	260	17	20	16	260	39	20	1505		
	Church Fenton	18	10	10	-	0	0	0	177	406	114	23	7.7	360	21	4	11	360	32	4	1035		
Notts.	Watnall	130	13	10	-	0	0	0	168	459	93	0	7.7	170	17	17	16	170	33	17	1520		
	Finningley	19	10	10	-	0	0	0	140	415	165	0	6.9	180	21	17	17	190	31	17	1440		
Rutland	Cottesmore	122	12	10	-	0	0	0	211	365	91	53	8.3										



TABLE II (continued)—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—

JUNE,

1969

DISTRICT COUNTY AND PLACE				HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES					
				Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)			22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND				HIGHEST GUST			
							Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours					Veer from N	Speed in knots		Hour ended at day hour	Veer from N	Speed in knots	Day and Time		
5. ENGLAND, S.E. — contd.																							
Wiltshire Larkhill ... ..				145	13	10	-	0	0	0	261	340	119	0	8.7	200	21	17	12	260	32	20	1110
Boscombe Down ... ..				130	16	16	-	0	1	9	275	348	88	0	9.4	180	25	17	20	180	40	17	1920
Porton ... ..				120	10	10	-	0	3	16	311	312	81	0	10.3	200	26	17	11	200	38	17	1030
7a ENGLAND, N.W.																							
Cumberland Sellafield ... ..				25	12	11	-	0	0	0	122	446	152	0	6.7	140	20	17	19	140	34	17	1820
Carlisle ... ..				42	13	9	-	0	0	0	214	376	130	0	7.7	040	19	4	09	040	29	4	0845
Spadeadam ... ..				292	16	15	-	0	0	0	170	414	136	0	7.6	150	17	17	18	180	31	17	1325
Westmorland Great Dun Fell ... ..				857	10	10	26	1	15	94	399	199	27	0	14.1	220	34	26	19	170	45	17	1845
Lancashire Squires Gate ... ..				26	16	11	-	0	4	11	348	323	38	0	10.7	150	26	17	17	150	40	17	1625
Aigburth ... ..				38	23	11	-	0	1	3	159	419	139	0	7.3	170	23	17	14	170	37	17	1510
Southport ... ..				19	14	11	-	0	1	1	118	342	241	18	6.1	290	23	20	14	170	35	17	1625
Fleetwood ... ..				34	15	9	-	0	0	0	137	410	173	0	6.7	280	21	20	15	160	38	17	1710
Speke ... ..				30	10	10	-	0	2	5	208	400	107	0	8.1	160	24	17	15	160	39	17	1455
Manchester/ W. Centre ... ..				82	45	17	-	0	2	2	198	442	78	0	8.3	260	22	20	14	160	45	17	1520
Cheshire Bidston ... ..				80	20	12	-	0	3	5	177	454	81	3	-	270	28	20	13	270	49	20	1240
Ringway ... ..				80	10	10	-	0	0	0	180	440	100	0	7.8	170	21	17	16	170	34	17	1440
7b NORTH WALES																							
Anglesey Valley ... ..				26	16	12	-	0	8	51	362	267	40	0	12.0	160	27	17	12	160	39	17	1105
8a SOUTH WALES																							
Cardigan Aberporth ... ..				135	13	11	-	0	4	10	270	326	114	0	9.2	280	26	20	08	280	40	20	0750
Pembroke Milford Haven C.B. ... ..				47	10	10	-	0	0	0	252	374	88	6	9.0	170	21	17	17	180	38	17	1555
Brawdy ... ..				130	20	14	-	0	5	22	364	286	48	0	11.2	300	26	20	09	300	40	20	0840
Glamorgan Port Talbot ... ..				28	12	11	-	0	1	4	227	333	156	0	7.7	320	23	20	11	320	35	20	1045
Rhose ... ..				78	11	10	-	0	1	7	287	359	67	0	9.8	280	24	20	10	280	37	20	0910
8b ENGLAND, S.W.																							
Dorset Portland Bill C.G. ... ..				61	13		-	0	6	30	385	264	41	0	11.5	170	28	17	22	170	38	17	2145
Devon Mount Batten ... ..				64	13	13	-	0	3	30	282	325	83	0	10.0	180	30	17	11	180	46	17	1010
Chivenor ... ..				19	13	10	-	0	2	14	271	326	109	0	9.0	260	27	20	06	280	40	20	0645
Cornwall Scilly ... ..				70	20	17	-	0	3	21	265	294	140	0	9.3	280	33	20	03	280	48	20	0140
Lizard ... ..				96	23	18	g																
St. Mawgan ... ..				119	12	12	-	0	2	14	291	344	71	0	9.6	290	27	20	07	290	40	20	0635
9 NORTHERN IRELAND																							
Londonderry Ballykelly ... ..				13	12	10	-	0	1	1	207	370	142	0	8.0	150	24	26	05	160	36	26	0410
Antrim Aldergrove ... ..				80	10	10	-	0	0	0	169	465	86	0	8.0	150	20	17	16	150	33	17	1505
Ballypatrick Forest ... ..				166	13	13	-	0	5	21	367	244	88	0	10.5	140	25	21	14	180	44	26	0500
Belfast Harbour ... ..				21	18	18	-	0	4	17	323	294	86	0	9.8	160	29	17	16	160	40	17	1530
Down Kilkeel ... ..				35	18	18	-	0	5	30	277	286	127	0	9.5	150	30	17	13	170	40	17	1050
Orlock Head ... ..				51	16	12	-	0	2	4	319	352	45	0	9.7	150	24	17	14	150	39	17	1315
Armagh																							
Portadown ... ..				26	10	10	-																
Tyrone Carrigans ... ..				129	10	10	-	0	0	0	135	356	229	0	6.0	150	16	17	11	120	31	17	1425
Fermanagh Castle Archdale Forest ... ..				80	13	13	-	0	0	0	149	400	171	0	6.7	150	18	26	02	160	30	26	0100
CHANNEL ISLES																							
Jersey Airport ... ..				109	26	15	-	0	7	46	450	211	13	0	13.2	280	28	3	07	080	39	9	1625

/ Anemograph dismantled for re-erection. \* Defective record. # Record ceased. \$ Incomplete record. @ Anemograph out of order. \*\* Record ceased temporarily.

TABLE III

—SUMMARY OF DAILY OBSERVATIONS

JUNE,

1969

DISTRICT, COUNTY AND PLACE	Max. Min. Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1911—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1910—50 average	MOST IN A DAY		Precip'n 0.2 mm or more 1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost† Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911—60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date	Amount (mm)	Date																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
			0	SCOTLAND, N.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS

JUNE,

1969

DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE			
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916-50 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure	
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date	0.2 mm or more	1.0 mm or more														
0 SCOTLAND, N. -contd.																																
Inverness																																
Benbecula ...	21-9	6	15.8	8.9	12.3	+0.1	21.3	15	4.1	4	-	-	53	72	8	2,29	19	14	0	0	0	0	0	0	0	2	0	1	7.85	-	-	
Isle of Rhum €	99	5	16.9	7.9	12.4	-	22.8	15	2.8	2	14.9	11.3	150	93	35	26	18	17	0	0	0	0	0	0	5	-	0	-	-	-		
Prabost ...	99	67	16.9	8.3	12.6	-	24.4	15	4.4	2,4	-	-	75	72	10	29	19	15	0	0	0	1	1	0	0	2	1	6.99	-	-	-	
Duntulm ...	99	90	16.4	8.8	12.1	+0.6	23.9	15	5.6	4,5	-	-	85	100	14	28	19	17	0	0	0	0	2	3	0	1	1	6.93	121	-	-	
Onich	99	15	17.6	8.2	12.1	+0.3	25.0	15	2.8	4,21	-	-	97	78	17	26	17	14	-	0	-	-	-	0	0	0	-	6.25	128	-	-	
Fort William €	99	8	17.9	8.4	13.1	-	25.0	15	2.8	5,21	14.3	12.4	97	97	23	26	15	14	0	0	0	0	1	0	0	1	-	6.48	-	-	-	
Corpach ...	99	8	18.3	8.3	13.3	-	25.6	10	2.2	22	-	-	95	-	24	26	16	13	0	0	0	0	0	1	0	6	-	0	-	-	-	
Fort Augustus ...	99	21	18.3	7.7	13.0	+0.3	26.7	11	0.6	5,6	-	-	34	-	(7)	23	15	10	0	0	0	0	0	0	0	0	0	5.68	-	-	-	
Inverness ...	99	4	17.9	8.4	13.1	-	25.6	12	1.7	5	-	-	25	55	14	23	10	7	0	0	0	0	0	0	0	0	0	5.94	-	-	-	
Coire Cas Shieling	99	762	13.5	6.3	9.9	-	21.1	11	0.0	4	-	-	86	-	15	23	21	16	2	-	-	-	-	1	0	-	-	-	-	-	-	
Cairngorm ...	99	1090	10.6	4.0	7.3	-	18.9	11	-2.2	4	-	-	108	-	18	23	21	16	2	-	0	1	-	3	-	3	-	-	-	-	-	
Achnagoichan ...	99	305	17.7	6.6	12.1	-	25.6	11	-1.7	5	10.4	-	36	64	12	23	14	10	-	-	-	-	-	1	7	-	-	-	-	-	-	
Glenmore Lodge	99	341	17.1	6.0	11.5	+0.3	24.3	11	-3.0	5	-	-	41	63	13	23	17	9	-	0	-	-	-	0	1	9	0	-	5.85	-	-	-
1 SCOTLAND, E.																																
Nairn																																
Nairn ...	99	6	18.1	8.5	13.3	+0.7	25.6	12,15	1.1	5	-	-	28	59	13	23	13	5	0	0	0	0	1	0	0	1	-	0	7.13	126	-	-
Moray																																
Grantown-on-Spey	99	229	17.8	5.4	11.6	-	25.0	11,12	-3.9	5	-	-	33	-	18	23	11	7	0	0	0	0	0	0	1	10	-	0	-	-	-	
Forres	99	47	18.6	8.6	13.6	+0.8	25.0	12	2.2	5	14.9	12.7	25	49	15	23	6	6	0	0	0	0	1	0	0	0	-	0	7.02	117	-	-
Kinloss ...	21-9	5	18.5	8.7	13.6	+1.1	25.0	12	2.0	5	12.9	-	26	51	15	23	9	5	0	0	0	0	1	0	2	0	0	6.99	-	-	-	
Elgin ...	99	15	18.4	8.1	13.3	-	24.4	12	-0.6	5	-	-	20	36	13	23	8	3	0	0	0	0	0	0	1	4	-	0	6.91	-	-	-
Lossiemouth ...	99	6	17.9	7.9	12.9	+0.4	23.3	12	2.2	5	-	-	28	56	13	23	9	6	0	0	0	0	1	0	0	0	0	-	-	-	-	
Gordon Castle ...	99	32	18.4	8.6	13.5	+0.6	24.4	11	2.2	5	-	-	18	32	12	23	7	4	0	0	0	0	0	0	-	0	-	0	6.96	123	-	-
Banff																																
Glenlivet ...	21-9	215	17.7	6.6	12.1	-	24.9	12	-2.2	5	-	-	35	-	14	23	10	8	0	0	0	1	0	0	1	2	1	0	6.23	-	-	-
Banff ...	99	24	17.4	9.1	13.3	-	22.8	7	5.0	6,7	-	-	26	-	15	23	8	5	0	0	0	0	0	1	0	-	-	0	7.85	-	-	-
Aberdeen																																
Braemar ...	99	339	16.8	6.2	11.5	+0.1	23.9	10,11,12	-2.2	5	-	-	62	129	18	23	15	11	-	0	-	-	-	0	1	1	-	-	6.05	-	-	-
Balmoral ...	99	283	16.6	5.4	11.0	-0.5	25.0	11	-2.8	5	-	-	56	119	19	23	15	10	0	0	0	0	0	-	1	2	-	0	-	-	-	-
Dinnet ...	99	177	17.6	7.1	12.3	-	26.1	11	0.0	5	12.1	-	38	-	(18)	23	12	8	-	0	-	-	-	0	1	-	-	6.39	-	-	-	-
Gartley ...	99	160	17.1	7.7	12.4	-	25.6	12	0.6	5	-	-	34	-	13	23	14	9	-	-	-	-	-	0	1	-	-	-	-	-	-	-
Inverurie Swge. Wks.	99	54	17.2	7.8	12.5	-	25.0	12	2.2	6	-	-	51	-	18	23	14	8	0	0	0	0	0	0	0	1	-	0	7.59	-	-	-
Fyvie Castle ...	99	66	17.2	7.6	12.4	-	25.6	12	1.7	6	-	-	49	27	19	23	9	7	0	0	0	0	0	-	0	0	-	0	(7.33)	-	-	-
Craibstone	99	91	16.2	8.1	12.1	+0.3	23.9	12	4.4	2,4,6	12.6	9.9	73	141	24	23	14	10	0	0	0	0	0	0	0	0	0	0	7.47	122	-	-
Dyce	21-9	58	16.7	8.0	12.3	+0.3	24.9	12	2.7	6	-	-	75	137	23	23	12	10	0	0	0	0	0	0	0	3	0	0	7.08	-	-	-
Aberdeen ...	99	52	15.9	8.8	12.3	+0.2	23.9	12	5.0	6	-	-	73	137	27	23	13	10	0	0	0	0	0	0	0	0	0	-	7.76	130	-	-
Fraserburgh ...	21-9	18	15.2	9.0	12.1	-	23.7	12	5.3	6	-	-	49	-	20	23	12	7	0	0	0	0	0	1	0	0	0	0	7.91	-	-	-
Kincardine																																
Fettercairn ...	99	171	16.2	7.8	12.0	+0.3	22.8	12	2.2	5	-	-	93	155	14	23	14	11	0	0	0	0	0	1	0	1	-	0	5.33	-	-	-
Strachan ...	99	120	16.8	6.9	11.9	-	23.9	11,12	1.1	6	11.1	-	90	-	22	23	15	12	0	0	0	0	0	0	0	-	0	7.00	-	-	-	-
Banchory ...	99	77	17.7	8.1	12.9	-	25.6	11	3.9	5	-	-	66	-	19	23	13	12	0	0	0	1	1	0	0	0	-	0	-	-	-	-
Angus																																
Mylnefield €	99	30	17.1	8.8	12.9	-	22.8	12	3.9	5	13.8	10.2	60	134	15	23	12	11	0	0	0	0	0	0	0	0	0	0	7.51	-	-	-
Dundee	99	45	17.8	8.9	13.3	+0.1	26.1	12	3.9	5	14.6	-	57	113	20	23	13	9	0	0	0	0	1	0	0	4	-	0	6.96	-	-	-
Glamis Castle ...	99	61	17.6	7.6	12.6	-	23.9	12	2.2	6	-	-	76	154	19																	



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS JUNE, 1969

DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE		
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-50 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total (all (mm.))	Percentage of 1911-50 average	Amount (mm.)	Date	Precip'n 0.2 mm or more 1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-50 average	Exposure	
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date																					
1 SCOTLAND, E. — contd.																															
Berwick — contd.																															
Marchmont ...	99	152	17.6	7.7	12.7	0.0	23.9	12	3.9	5/6/21	-	-	88	173	18	23	14	13	0	0	0	0	2	0	0	-	0	6.91	115	-	S
Whitchester ...	99	255	16.7	7.3	12.0	-	22.2	12	3.3	5	-	-	70	116	17	23	15	10	0	0	0	0	2	-	0	-	0	-	-	-	-
St. Abb's Head ...	99	75	14.4	8.7	11.5	-	23.0	12	5.2	6,21	-	-	-	-	-	-	-	-	0	0	0	0	0	1	0	0	-	0	-	-	-
Peebles																															
Stanhope Farm ...	99	226	17.2	6.4	11.8	-	23.3	15	0.6	4	-	-	58	86	14	17	15	11	0	0	0	0	1	0	0	4	-	0	-	-	-
Blyth Bridge ...	99	253	16.9	7.2	12.1	-	23.3	11	1.1	4	-	-	59	103	10	15	13	11	0	0	0	0	2	0	0	4	-	0	6.79	-	-
West Lynton ...	99	244	17.0	6.2	11.6	-	24.4	11	0.6	5	12.9	10.4	42	67	10	2	16	10	0	0	0	0	0	0	0	1	-	0	-	-	-
Glenfress ...	99	177	18.3	6.9	12.6	-	25.0	11	1.7	21	-	-	59	124	13	2	13	8	-	0	-	-	0	0	-	-	-	-	-	-	-
Selkirk																															
Bowhill ...	99	183	18.2	7.4	12.8	-	25.6	11	2.2	4	-	-	70	128	13	17	16	11	0	0	0	0	4	0	0	-	0	-	-	-	-
Galashiels ...	99	198	17.1	7.6	12.3	-	23.3	11	3.3	4,21	-	-	71	-	12	2	15	11	0	0	0	0	5	0	0	0	-	0	6.99	-	-
Roxburgh																															
Wauchope ...	99	171	18.1	6.3	12.2	-	25.0	11	1.1	4,10	-	-	68	108	13	23	17	11	0	0	0	0	2	0	0	-	0	-	-	-	-
Kelso ...	99	35	18.7	7.9	13.3	-	25.0	12	3.9	4,5	-	-	71	-	19	23	12	11	0	0	0	0	1	0	0	1	-	0	6.69	-	-
Sourhope ...	99	219	17.1	7.4	12.3	+0.2	23.3	11	2.8	5	-	-	-	-	-	-	-	-	0	0	0	0	1	0	0	1	-	0	6.87	-	-
6a SCOTLAND, W.																															
Argyll																															
Tiree ...	21-9	9	15.5	8.9	12.2	0.0	21.0	11	3.6	4	-	-	64	90	17	28	15	12	0	0	0	0	0	0	3	0	0	8.03	119	-	-
Rhuvaal ...	21-9	20	15.7	9.5	12.6	-	21.4	12	5.7	2	-	-	63	70	19	26	15	13	0	0	0	0	0	0	0	0	1	-	-	-	-
Colonsay ...	99	27	16.5	8.3	12.4	-0.1	22.2	12	2.2	4	-	-	69	82	10	21,26	15	12	0	-	0	0	0	4	0	-	0	-	-	-	-
Aros ...	99	37	17.8	7.3	12.5	-	25.0	11	1.7	4	-	-	83	-	14	26	17	17	0	0	0	0	0	0	4	-	0	-	-	-	-
Craighouse ...	99	3	17.0	8.5	12.7	-	23.9	11	5.0	2,4,21	-	-	72	-	17	26	15	13	-	0	-	-	-	0	0	-	0	-	-	-	-
Machrihanish ...	21-9	10	16.1	8.8	12.5	-	22.3	12	4.5	14	-	-	81	-	13	2	16	12	0	0	0	0	1	0	0	1	0	1	8.22	-	-
Campbeltown ...	99	3	17.2	-	-	-	23.3	12	-	-	-	-	89	-	16	2	13	11	0	0	0	0	0	-	-	-	1	8.18	-	-	-
Achaglachgach ...	99	12	17.3	6.8	12.1	-	23.9	9,10	1.7	2	-	-	85	97	14	2	15	13	0	0	0	0	0	0	3	-	0	-	-	-	-
Knapdale Forest ...	99	40	17.6	7.7	12.7	-	23.9	10,11	2.2	4	-	-	98	-	18	26	16	14	0	0	0	0	5	0	0	5	-	0	-	-	-
Glenbranter ...	99	24	17.6	7.6	12.6	-	24.4	10,11	1.7	4	-	-	152	-	25	26	17	16	-	0	-	-	-	0	0	-	-	-	-	-	-
Glen Etive ...	99	24	18.9	7.8	13.3	-	26.1	9,11	1.7	21	-	-	152	-	25	26	16	16	0	0	0	0	1	-	0	5	-	0	-	-	-
Benmore Y.B.G. *	99	12	18.3	8.1	13.2	-	25.6	11	2.8	4,5	-	-	129	100	23	15	19	18	0	0	0	0	2	0	0	3	-	0	-	-	-
Bute																															
Kildonan ...	21-9	18	16.0	9.9	12.9	-	21.0	9,10	5.2	2	-	-	76	-	18	2	17	15	0	-	0	0	0	0	0	0	1	7.70	-	-	-
Brodick Castle ...	99	15	17.5	8.8	13.1	-	23.9	12	3.9	5	15.6	-	82	-	18	26	17	15	0	0	0	0	1	0	0	0	-	0	-	-	-
Rothsay ...	99	43	17.2	9.6	13.4	+0.4	23.9	10,11	5.0	2	12.8	10.3	97	110	17	26	19	17	0	0	0	0	0	0	1	-	0	7.72	124	-	-
Dunbarton																															
Finnart ...	99	15	17.7	9.7	13.7	-	24.4	10	5.0	4	-	-	122	-	27	26	17	17	0	0	0	0	3	-	0	-	0	-	-	-	-
Helensburgh ...	99	89	17.6	8.4	13.0	-0.2	25.0	11	3.3	4,5	-	-	86	100	13	17	15	15	0	-	0	0	0	0	0	-	0	5.94	103	S	-
Sloy ...	21-9	12	17.5	9.2	13.3	-	24.2	10	2.0	4	-	-	177	-	37	26	16	16	0	-	0	0	1	0	0	-	0	-	-	-	-
Cumbernauld ...	99	94	18.3	8.0	13.1	-	25.6	11	0.6	4	-	-	73	-	13	20	15	13	0	0	0	0	1	0	0	1	-	0	-	-	-
Stirling																															
Earl's Hill ...	21-9	335	15.9	7.5	11.7	-	22.4	11	1.4	4	-	-	105	-	18	20	16	10	0	-	0	0	4	0	0	0	0	6.77	-	S	-
Stirling ...	99	46	18.7	9.7	14.2	+0.4	25.0	11,12	5.0	4,21	16.0	10.6	98	172	22	16	14	12	0	0	0	0	1	0	0	1	-	0	6.55	-	-
Falkirk Swge. Wks. ...	99	3	18.1	9.3	13.7	-	24.4	12	3.9	5	-	-	70	-	20	15	13	12	0	0	0	0	1	0	0	-	0	6.16	-	-	-
Grangemouth ...	99	4	18.7	10.0	14.3	-	25.0	11,12	3.9	4	-	-	74	-	29	15	15	12	0	0	0	0	1	0	0	-	0	-	-	-	-
Renfrew																															
Greenock ...	99	61	17.4	9.8	13.6	-0.1	23.9	11	5.0	4	-	-	93	110	18	15	17	14	0	0	1	0	4	0	0	-	0	7.28	116	-	-
Paisley ...	99	32	18.6	9.6	14.1	0.0	26.7	11	3.9	5	14.0	10.9	71	109	15	17	15														







TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS

JUNE,

1969

DISTRICT, COUNTY AND PLACE	Max. Temp. Min.	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days										BRIGHT SUNSHINE								
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total (all (mm.))	Percentage of 1931-60 average	Amount (mm.)	Date	Precip'n 0.2 mm or more 1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure			
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date																							
3 ENGLAND, E. — contd.																																	
Essex																																	
Harlow ...	99	79	20.0	8.7	14.3	-	25.0	30	3.9	6	-	12.6	31	-	14	23	11	9	0	0	0	0	2	0	0	-	-	0	7.93	-	-		
Stansted ...	99	101	18.9	8.6	13.7	-0.6	24.3	15	4.0	4, 6, 7	-	-	34	81	16	23	9	8	0	0	0	1	0	0	0	0	0	-	-	-	-		
Writtle ...	99	32	19.3	8.0	13.7	-	25.0	13, 29	1.7	7	14.6	-	45	118	15	23	10	9	0	0	0	0	1	0	1	0	0	8.64	-	-	-		
Southend ...	99	27	19.7	10.6	15.1	-0.9	26.7	30	5.6	4, 5, 7	-	-	33	98	10	23	10	8	0	0	0	0	0	0	0	1	0	0	7.67	103	-	-	
Maldon ...	99	4	19.5	9.5	14.5	-	25.6	30	5.0	7	-	-	36	-	14	23	9	7	0	-	0	0	0	0	0	-	-	0	-	-	-		
Earls Colne ...	99	49	19.9	8.1	14.0	-	25.0	30	2.8	7	15.7	13.2	41	103	13	23	7	7	-	0	-	-	0	0	0	0	0	-	-	-	-		
Shoeburyness ‡	21-9	2	18.6	10.2	14.4	-0.9	25.2	30	4.5	4	-	-	29	98	11	23	11	7	0	0	0	0	0	0	0	0	0	0	8.98	118	-	-	
Clacton-on-Sea €	99	16	18.3	10.8	14.5	-0.5	24.4	30	5.0	4, 5	15.9	13.6	24	70	7	23	8	4	0	0	0	0	0	0	0	0	0	9.22	121	-	-		
Walton-on-Naze	21-9	5	18.1	10.9	14.5	-	24.6	30	5.9	4	-	-	24	-	7	2	9	5	0	0	0	0	0	0	0	0	0	7.20	-	-	-		
Dovercourt ...	99	3																															
4 MIDLAND COUNTIES																																	
Yorks., W. Riding																																	
Slaidburn ...	99	192	17.1	7.2	12.1	-	23.3	12	1.1	6	-	-	103	119	28	2	14	13	0	0	0	0	1	0	0	2	-	0	7.99	-	-	-	
Malham Tarn ...	99	395	15.7	7.1	11.9	-	22.2	13	2.2	4, 5, 6	12.3	-	94	112	28	2	15	11	0	-	0	0	0	0	0	3	-	0	-	-	-	-	
Huddersfield §	99	99	-	-	-	-	-	-	-	-	(14.4)	(11.3)	69	146	16	23	11	9	-	0	-	-	-	-	1	-	0	-	-	-	-	-	
" Oakes	21-9	235	18.7	7.9	13.3	-	25.3	13	2.0	6	13.9	10.4	88	119	17	23	14	11	0	0	0	5	0	0	1	0	0	8.29	139	S	-	S	
Bradford ¶	99	134	17.9	8.6	13.3	-0.5	23.3	12, 13, 15	1.7	6	13.8	10.7	83	162	15	23	15	11	0	0	1	0	4	0	0	1	0	0	-	-	-	-	
Ilkley ...	99	96	18.4	7.8	13.1	-0.8	24.4	12, 15	1.1	6	-	-	88	155	17	2	14	13	0	0	0	3	0	0	-	0	0	8.02	136	-	-	-	
Sheffield ...	99	131	18.8	9.3	14.1	-0.4	24.4	15	3.3	6	14.6	11.4	63	130	12	7	12	10	0	0	0	2	-	0	1	0	0	8.45	140	-	-	-	
Pontefract ...	99	78	18.2	8.8	13.5	-0.5	23.3	13, 15	3.9	6	-	-	52	127	18	23	11	9	0	0	0	1	0	0	0	0	0	-	-	-	-	-	
Bramham ...	99	54	18.3	7.6	12.9	-	23.3	13	0.6	6	-	-	70	122	22	23	10	8	0	0	0	1	0	0	1	-	0	7.87	-	-	-	-	
Cawood ...	99	6	19.1	7.4	13.3	-	24.4	13	1.1	6	14.6	12.2	61	133	19	2	9	8	0	0	0	0	0	0	1	-	0	7.37	-	-	-	-	
Askham Bryan ...	99	34	18.7	8.4	13.5	-	23.3	12, 13	2.2	6	-	-	73	148	23	2	10	8	0	0	0	0	1	0	0	0	-	0	7.98	132	-	-	-
Derby																																	
Buxton €	99	307	16.7	7.5	12.1	-0.5	26.0	13	0.6	6	13.6	11.4	85	105	28	22	11	10	0	0	0	2	2	0	0	-	0	-	-	-	-	-	
Ashover ...	99	186	17.6	7.3	12.5	-	23.9	14	0.6	6	-	-	81	-	17	17	14	12	0	0	0	3	0	0	7	-	0	8.26	-	-	-	-	
Derby ...	99	48	19.6	9.4	14.5	-	25.6	13	3.3	6	-	-	68	-	16	16	11	8	0	0	0	3	0	0	0	-	0	8.01	-	-	-	-	
Morley ...	99	107	(18.7)	8.2	(13.5)	-	25.0	14	2.2	6	-	-	58	-	12	23	11	10	0	0	0	2	-	0	1	-	0	8.68	-	-	-	-	
Wingerworth ...	99	127	18.2	7.4	12.8	-	23.9	13, 14	1.1	6	14.8	-	62	-	13	17	14	11	0	0	0	4	0	0	5	-	0	-	-	-	-	-	
Nottingham																																	
Sutton Bonington	99	48	18.9	8.1	13.5	-0.9	25.0	14	1.1	6	14.1	12.0	27	73	10	23	10	7	0	0	0	2	0	0	3	-	0	7.83	129	-	-	-	
Watnall ...	21-9	117	18.9	8.4	13.7	-0.6	25.8	14	3.5	6	-	-	45	102	11	23	11	9	0	1	0	4	0	0	0	1	0	7.87	125	-	-	-	
Mansfield ...	99	110	18.1	8.8	13.5	-0.8	23.9	13, 14	2.8	6	15.2	-	62	148	17	14	12	9	0	0	0	0	0	0	1	0	0	-	-	-	-	-	
Nottingham ‡	99	59	18.9	9.7	14.3	-0.6	25.6	14	5.0	2, 6	14.8	12.5	33	89	11	23	12	8	0	0	0	1	2	0	0	0	0	7.68	135	-	-	-	
Warsop ...	99	46	18.5	6.9	12.7	-	24.4	14	0.0	6	-	-	65	171	28	14	13	9	-	0	-	-	0	1	4	-	0	8.20	-	-	-	-	
Finningley ...	21-9	10	19.5	8.8	14.1	-0.6	25.9	14	3.6	6	-	-	50	-	20	2	10	7	0	0	0	0	1	0	0	0	0	8.13	-	-	-	-	
Leicester																																	
Newtown Linford	99	119	18.6	8.0	13.3	-	25.6	14	2.2	6	-	-	36	79	10	23	9	7	0	0	0	0	1	0	0	3	-	0	7.53	-	-	-	-
Caldecott ...	99	53	19.5	7.3	13.4	-	26.1	14	0.6	6	-	-	32	77	11	23	10	8	-	0	-	-	-	1	0	1	-	-	7.70	-	-	-	-
Northampton																																	
Bugbrooke Mills	99	69	(19.1)	(7.3)	(13.2)	-	25.6	14, 15, 16	1.7	6	14.4	(11.7)	20	52	7	23	10	5	-	0	-	-	-	0	0	-	-	-	8.61	-	-	-	-
Raunds ¶€	99	59	19.7	8.0	13.9	-0.7	26.1	15	1.7	7	16.4	11.8	38	100	17	23	10	8	-	0	-	-	-	0	0	1	-	-	8.35	137	-	-	-
Wittering ...	99	65	18.9	8.8	13.9	-0.6	25.2	15	3.7	6	-	-	38	87	21	23	12	7	0	0	0	0	1	0	0	0	0	8.69	-	-	-	-	
Warwick																														</			



\*\* Sunshine and Radiation (see Table XIII) read at Bracknell (Easthampsted)



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS JUNE, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE		
				MEANS OF		Daily Mean (mean of A & B)	Differences from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916-50 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date															
5. ENGLAND, S.E. — contd.																																
Hampshire — contd.																																
Southsea	99	2	19.3	12.0	15.6	-0.3	25.0	13	6.1	5	16.5	13.4	14	39	8	17	3	2	0	0	0	0	0	0	0	0	0	0	0	9.49	121	-
Hayling Island ...	99	4	19.1	10.9	15.0	-	25.0	12	5.0	5.6	-	-	13	-	7	17	6	2	0	0	0	0	0	0	0	0	0	0	0	9.50	-	-
Long Sutton ...	99	156	(19.1)	(7.7)	(13.4)	(-0.7)	25.0	14	1.1	6	(14.6)	-	36	81	9	17	10	7	0	0	0	0	0	0	0	2	0	0	0	7.70	121	S
Alice Holt Lodge	99	115	19.2	8.5	13.8	-	25.6	14	3.3	5.7	-	-	28	63	9	17	9	7	0	0	0	0	1	0	0	1	-	0	0	8.50	-	-
S. Farnborough	99	69	19.8	8.8	14.3	-0.9	25.9	14	2.2	6	-	-	28	68	8	23	8	6	0	0	0	0	1	0	0	3	0	0	0	8.48	122	-
Isle of Wight																																
St. Catherine's Pt.	99	16	17.5	10.2	13.9	-0.5	23.0	10.11	4.0	5	-	-	19	53	6	17	10	6	0	0	0	0	1	0	0	0	-	0	-	-	-	-
Ventnor *	99	135	17.9	11.4	14.6	-0.3	23.3	13	5.0	5	16.2	12.9	16	42	7	17	9	5	0	0	0	0	0	0	0	0	-	0	9.61	119	-	
Shanklin ...	99	55	17.9	10.5	14.2	-	23.3	13	4.4	5	-	-	27	64	8	17	10	4	0	0	0	0	1	0	0	0	-	0	10.15	-	-	
Sandown ...	99	4	19.3	11.1	15.2	-0.1	25.0	10	5.0	5	-	-	20	54	7	17	8	4	0	0	0	0	1	0	0	-	0	-	10.40	-	-	
Ryde ...	99	5	19.2	11.5	15.3	-0.3	24.4	13	6.7	6	-	-	20	57	9	17	10	2	0	0	0	0	1	0	0	-	2	0	9.45	118	-	
Wiltshire																																
Lacock ...	99	49	19.3	8.2	13.7	-	25.6	13	1.7	5	-	-	36	72	10	3	11	9	-	0	-	-	-	0	0	2	-	-	-	-	-	-
West Lavington	99	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lynham ...	21-9	145	18.7	8.9	13.8	-0.6	24.5	14	2.4	5	-	-	24	52	6	17	12	9	0	0	0	0	0	0	0	0	0	0	8.65	-	-	
Larkhill ...	99	132	19.0	8.4	13.6	-0.7	25.4	14	1.9	5	-	-	48	114	17	17	12	10	0	0	1	0	1	0	0	1	0	0	-	-	-	
Boscombe Down	21-9	126	19.3	8.8	14.0	-0.5	25.1	14	2.6	5	-	-	39	96	15	17	13	10	0	0	1	0	1	0	0	3	0	0	8.74	126	-	
Upavon ...	21-9	176	18.8	8.7	13.7	-	25.1	13	3.5	5	-	-	29	66	9	17	10	8	0	0	0	0	1	0	0	2	0	0	-	-	-	
Porton	99	111	19.2	8.0	13.6	-0.7	24.8	13	2.1	6	14.3	-	39	91	19	17	13	8	0	0	0	0	0	0	0	7	0	0	9.10	126	-	
7a. ENGLAND, N.W.																																
Cumberland																																
Sellafield ...	99	13	18.6	6.7	12.6	-	23.9	13	-0.5	1	-	-	144	215	31	2	11	10	-	0	-	-	-	-	1	1	-	-	8.29	-	-	
Carlisle	21-9	26	18.5	8.5	13.5	-	24.5	9	2.0	5	-	-	47	-	21	2	12	9	0	0	0	0	2	0	0	0	0	0	8.01	-	-	
Newton Rigg	99	171	17.6	7.6	12.6	-0.6	23.3	12	1.7	5	14.0	-	84	152	27	2	13	8	-	0	-	-	-	-	0	1	-	-	7.47	123	-	
Spadeadam	99	274	16.3	6.4	11.3	-	22.2	11	1.1	5.6	12.3	9.9	86	-	18	2	16	12	0	0	0	0	1	1	0	4	-	0	7.03	-	-	
Westmorland																																
Ambleside ...	99	46	19.2	7.7	13.5	-	25.6	10	2.8	6	-	-	121	126	37	17	12	11	0	0	0	0	3	0	0	0	-	0	-	-	S	
Great Dun Fell	21-9	847	12.1	4.8	8.4	-	22.8	12	-1.5	5	-	-	-	-	-	-	-	-	0	0	0	0	9	2	-	-	1	0	6.58	-	-	
Moor House ...	99	556	14.2	4.6	9.5	-	19.4	11.13.15	-4.4	7	10.1	-	114	94	32	17	14	12	0	0	0	0	2	1	2	11	-	0	7.60	-	-	
Lancashire																																
Squires Gate ...	21-9	10	17.6	9.1	13.3	-0.6	23.6	9	1.6	6	-	-	77	138	23	2	11	10	0	0	0	0	5	0	0	2	0	0	8.71	121	-	
Aigburth ...	99	14	18.4	10.4	14.4	-	24.0	14	5.2	6	17.1	13.2	42	-	9	2	14	11	0	0	1	0	2	0	0	0	-	0	8.30	-	-	
Southport ...	99	5	17.7	9.2	13.4	-	23.3	12	2.2	6	15.4	10.8	69	125	20	2	14	10	-	0	-	-	-	0	0	0	-	-	(9.10)	-	-	
Poulton-le-Fylde	99	12	18.4	9.0	13.7	-	24.4	10.11	3.3	5	-	-	65	111	17	22	13	10	0	0	0	0	2	0	0	0	-	0	-	-	-	
Grizedale ...	99	91	17.9	7.0	12.5	-	24.4	11	0.6	5	13.8	-	127	-	36	17	14	12	0	0	0	0	0	0	0	-	-	0	-	-	-	
Speke ...	21-9	22	19.0	9.5	14.2	-	24.8	14	3.8	6	-	-	35	67	10	2	14	8	0	0	0	0	4	0	0	0	0	0	8.12	-	-	
Kirkham ...	99	24	17.8	8.4	13.1	-	23.3	11.12.15	2.2	6	-	-	98	153	37	2	12	11	0	0	0	0	4	0	0	3	-	0	8.92	-	-	
Garstang ...	99	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bailrigg ...	99	54	17.8	9.2	13.5	-	23.4	11.15	2.7	6	-	-	121	-	36	2	12	10	-	0	-	-	-	-	0	1	-	-	8.79	-	-	
Morecambe	99	7	18.2	10.8	14.5	+0.1	24.4	9.10.11	5.0	6	-	-	72	114	29	2	11	10	0	0	0	0	0	0	0	-	-	0	8.96	128	-	
Penketh ...	99	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Preston ...	99	33	18.3	9.3	13.8	-	23.9	12.14.15	2.8	6	-	-	95	139	40	2	15	10	0	0	0	0	4	0	0	1	-	0	-	-	-	
Bolton ...	99	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Stonyhurst	99	115	18.1	8.6	13.3	-0.5	24.4	14	1.7	6	-	-	101	132	40	2	14	13	-	0	-	-	-	0	0	-	-	-	8.14	130	-	
Manchester/W. Centre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.88	-	-	
Helmshore ...	99	260	16.8	8.3	12.6	-	23.3	14	2.2	6	13.2	-	109	116	35	2	15	13	-	0	-	-	-	-	0	2	-	0	7.70	-	-	
Burnley ...	99	200	16.3	7.4	11.8	-	23.9	12	1.1	4.6	11.9	9.5	91	-	34	2	14	13	0	0	0	0	0	0	0	0	-	0	7.61	-	-	
Nelson	99	165	17.2	8.2	12.7	-	23.4	12	1.0	6	13.6	10.1	77	110	30	2	14	13	0	0	-	4	-	0	0	-	-	-	-	-	S	
Rochdale ...	99	110	18.1	8.1	13.1	-	23.9	12.13.14	1.7	6	-	-	95	132	26	2	15	13	0	0	1	0	5	0	0	2	-	0	-	-	S	
Cheshire																																
West Kirby Park	99	8	18.6	(9.9)	(14.2)	-	23.9	9	2.8	5	-	-	38	-	8	15	15	10	-	0	1	2	0	0	0	0	-	0	8.76	-	-	
Bidston	99	60	17.3	10.2	13.7	-0.4	24.4	12	5.6	5	-	-	51	103	10	2	15	10	-	-	-	-	-	0	0	-	-	0	8.23	122	-	
Ness Gardens ...	99	55	18.4	9.3	13.8	-	23.9	11	3.9	6	-	-	34	-	7	15	15	9	0	0	0	0	5	0	0	0	-	1	7.23	-	-	
Winnington ...	99	20	19.4	9.7	14.5	-	25.0	13.14	3.9	6	-	-	42	78	11	2	13	10	0	0	0	0	1	0	0	0	-	0	-	-	-	
Knutsford ...	99	65	19.7	8.4	14.1	-	26.1	14	2.2	6	15.3	14.7	49	75	14	2	14	12	-	0	-	-	-	-	0	2	-	-	-	-	-	
Ringway	21-9	76	18.8	9.5	14.2	-0.1	24.6	13.14.15	3.1	6	-	-	52	88	15	2	15	10	0	0	0	0	3	0	0	0	0	0	8.43	141	-	
Macclesfield ...	99	152	18.4	9.3	13.8	-0.4	25.0	15	2.8	4	-	-	58	84	21	2	13	11	0	0	0	0	2	0	0	-	-	0	-	-	-	
7b. NORTH WALES																																
Flint																																
Rhyl ...	99	9	17.7	9.6	13.6	-0.6	25.0	12	3.3	6	-	-	43	102	13	17	13	8	0	0	0	0	2	0	0	0	-	0	8.91	127	-	
Prestatyn ...	99	4	17.7	9.9	13.8	-	24.4	12	3.9	6	-	-	42	85	13	17	15	9	0	0	1	0	3	0	0	-	-	0	8.47	129	-	
Hawarden Bridge	99	5	19.2	9.0	14.1	-0.5	24.4	13	3.9	6	-	-	38	82	9	15	11	10	0	0	0	0	3									



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS

JUNE,

1969

DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE					
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1916-50 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frosty Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure		
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date	Amount (mm.)	Date																				
				Max. Min.									30 cm.	122 cm.																		
8a. SOUTH WALES.																																
Cardigan																																
Aberporth ...	21-9	133	15.9	9.7	12.8	-0.6	24.3	9	5.3	5	-	-	46	116	23	17	10	8	0	0	0	0	0	0	1	0	2	0	0	9.29	-	-
Gogerddan ...	99	31	18.2	8.4	13.3	-	24.4	12	1.1	5	-	-	52	78	25	17	10	9	0	0	0	0	0	0	0	0	2	-	0	8.94	-	-
Swyddffynnon ...	99	165	18.1	7.8	12.9	-	24.4	14	0.6	5	-	-	76	95	22	17	10	10	-	0	-	-	-	0	0	4	-	-	0	8.74	-	-
Trawscoed ...	99	61	18.3	7.7	13.0	-	24.4	12	0.0	5	13.7	-	73	100	28	17	11	10	0	0	0	0	0	0	0	2	-	0	9.00	-	-	
Llety-evan-hen ...	99	290	16.2	8.7	12.5	-	22.8	12	2.8	5	-	-	84	98	28	17	12	11	0	0	0	0	1	1	0	0	-	0	8.60	142	-	
Cwmystwyth ...	99	301	16.4	6.6	11.5	-	22.8	14	-0.6	5	-	-	106	-	24	17	11	11	-	0	-	-	-	-	1	5	-	-	-	-	-	
Pembroke																																
Dale Fort ...	99	33	17.7	10.6	14.1	-	24.4	12, 13	6.1	6.7	15.8	-	52	-	18	17	9	8	0	0	0	0	0	0	0	0	-	0	10.01	-	-	
Milford Haven C.B.*	21-9	37	17.3	10.5	13.9	-	24.0	9	6.0	6.7	-	-	65	-	31	17	9	7	0	0	0	0	0	0	0	0	0	0	-	-	-	-
Brawdy ...	99	110	16.6	9.0	12.8	-	23.9	9, 12	3.3	5	-	-	71	121	25	17	12	8	0	0	0	0	0	1	0	0	-	0	9.80	-	-	
Orielton ...	99	61	17.9	9.4	13.7	-	23.3	11, 12	3.3	6	14.6	-	63	-	16	17	11	9	0	0	0	0	0	0	0	0	-	0	-	-	-	-
Haverfordwest ...	99	8	17.9			-	24.4	11	1.1	6	-	-	93	-	37	17	10	9	0	-	0	0	0	0	-	-	0	-	0	8.39	-	-
Carmarthen																																
Carmarthen ...	99	15	18.7	8.6	13.7	-	25.0	9, 12	2.2	5	14.9	-	113	-	46	17	9	9	0	0	0	0	0	0	0	0	-	0	8.79	-	-	
Cenarth Mill ...	21-9	282																														
Radnor																																
Llandrindod Wells	99	235	18.6	7.7	13.1	-0.4	24.4	13	1.1	5	13.1	-	58	95	15	18	13	11	0	0	0	0	2	0	0	-	-	0	7.92	136	5	
Brecknock																																
Llwynon ...	99	262	17.5	7.7	12.6	-	22.8	13, 14	0.0	5	-	-	97	-	35	17	13	11	0	0	0	0	0	0	0	-	-	0	-	-	-	-
Glamorgan																																
Mumbles ...	21-9	36	17.3	10.8	14.1	-	24.4	13	5.4	3	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	-	-	-	-	
Penmaen ...	99	82	17.8	10.1	13.9	-	23.3	13	3.9	5	-	-	69	-	28	17	10	8	0	0	0	0	0	0	0	0	-	0	-	-	-	
Swansea	99	8	18.8	11.3	15.1	-0.3	25.0	9	6.1	5	17.5	14.8	72	118	30	17	9	7	0	0	0	0	0	0	0	-	0	8.59	125	5		
Port Talbot ...	99	7	19.7	10.7	15.2	-	26.1	12, 14	5.6	7	-	-	69	114	25	17	9	7	0	0	0	0	0	0	0	0	-	0	8.67	-	5	
Neath ...	99	62	18.7	10.2	14.5	-	24.4	14	3.9	5	-	-	83	138	31	17	10	10	0	0	0	0	0	0	0	0	-	0	-	-	-	
Rhose ...	21-9	67	18.3	9.8	14.1	-	24.0	14	4.0	5	-	-	46	94	11	17	9	8	0	0	0	0	0	0	0	1	0	0	9.15	124	-	
Cardiff	99	62	19.9	10.4	15.1	+0.4	25.6	13, 14	5.0	5	14.1	11.9	38	66	11	17	12	9	0	-	0	0	0	0	0	0	-	0	8.13	-	5	
Monmouth																																
Tredegar ...	99	313	17.7	8.0	12.9	-	23.9	13	3.3	2, 5, 6	-	-	106	122	52	17	10	10	0	0	0	0	0	0	0	0	-	0	8.87	-	5	
Newport ...	99	23	19.8	9.9	14.9	-0.2	25.6	15	4.4	5	-	-	31	55	5	19	10	9	0	0	0	0	0	0	0	0	-	0	9.39	-	-	
Usk ...	99	21	20.2	7.9	14.1	-	25.6	12, 13, 14	2.8	1, 5, 6	15.8	-	51	98	27	17	7	6	-	0	-	-	-	0	0	0	-	0	7.45	-	-	
Crumblant ...	99	245	17.9	8.6	13.3	-	23.9	14	2.8	5	14.3	12.4	73	126	37	17	12	9	0	0	0	0	0	0	0	1	-	0	9.50	-	-	
8b. ENGLAND, S.W.																																
Somerset																																
Hawkrig ...	99	314	16.3	8.2	12.3	-	22.8	13	3.9	5	-	-	67	97	25	17	10	9	0	0	0	0	0	0	0	0	-	0	8.49	-	-	
Williton ...	99	96	18.6	8.6	13.6	-	23.9	13, 14	2.2	5	16.8	-	35	-	15	17	10	8	0	0	0	0	0	0	0	-	0	-	-	-	-	
Cannington ...	99	29	18.8	9.8	14.3	-	25.6	13	3.9	5	15.3	-	20	49	6	17	11	8	-	-	-	-	-	0	0	0	-	0	8.85	122	-	
Weston-super-Mare ...	99	9	19.6	10.9	15.3	0.0	25.6	13, 14	6.1	5	-	-	28	63	6	21	9	8	0	0	0	0	0	0	0	-	0	9.24	130	-		
Crickat Malherbie ...	99	76	19.6	8.7	14.1	-	26.1	13	2.8	5	-	-	46	-	23	18	10	6	0	-	0	0	0	0	0	0	-	0	1	-	-	-
Cheddar ...	99	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Yeovilton ...	21-9	18	19.7	9.1	14.4	-	25.7	13	2.9	2	-	-	30	-	9	17	11	9	0	0	1	0	1	0	0	0	0	-	-	-	-	-
Rodney Stoke ...	99	40	18.9	9.1	14.0	-	25.0	12, 13, 15	2.8	5	15.7	12.6	40	-	12	16	10	8	-	0	-	-	-	0	0	0	-	0	-	-	-	-
Long Ashton	99	49	19.4	9.6	14.5	-0.4	25.6	13, 14	4.4	2, 5	16.2	-	37	69	10	17	12	9	0	0	0	0	0	0	0	0	-	0	9.18	134	-	
West Camel ...	99	27																														
Wincanton ...	99	114	18.9	8.9	13.9	-	26.1	13	2.8	5	-	-	55	-	21	18	12	7	0	0	0	0	1	0	0	0	-	0	-	-	-	-
Bath C.B.S.**	99	118	18.8	9.8	14.3	-	24.4	13, 14	3.9	5	15.2	-	36	75	10	19, 20	10	9	0	-	0	0	0	0	0	-	0	-	-	-	-	-
Dorset																																
Portland Bill C.G.	21-9	53	16.3	11.1	13.7	-	21.6	13	8.7	2	-	-	21	-	7	17	8	6	0	0	0	0	1	0	0	0	0	0	9.50	-	-	
Weymouth ...	99	5	19.5				25.0	10, 13	3.9	5	-	-	22	60	10	17	6	5	0	0	0	0	0	0	0	-	0	9.55	122	-		
Winfrith ...	99																															



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS JUNE, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE		
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916—50 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date															
9. NORTHERN IRELAND																																
Londonderry																																
Loughmore Forest	99		174	17.1	6.1	11.6	-	24.4	12	-1.0	4	-	-	82	-	15	2	18	14	0	0	0	0	1	0	1	9	-	0	-	-	-
Ballykelly	21-9	2		17.9	8.6	13.3	-0.3	24.6	12	2.1	4	15.5	12.1	62	107	13	17	15	12	0	0	0	0	0	0	0	0	0	0	6.73	119	-
Derrynoyd Forest	99		88	18.1	7.1	12.6	-	24.7	12	1.5	4	-	-	82	-	19	19	16	14	0	0	0	0	0	0	0	0	0	0	-	-	-
Somerset Forest	99		43	18.3	7.2	12.7	-	24.0	10,11	3.0	21	-	-	74	-	13	19	15	15	0	0	0	0	0	0	0	0	0	-	-	-	-
Coleraine	99			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Garvagh Forest	99		91	17.6	6.9	12.3	-	23.9	12	1.7	21	15.2	11.2	81	-	15	19	17	13	0	0	0	1	0	0	2	-	-	-	-	-	-
Moneydig	21-9	34		18.0	6.9	12.5	-0.6	24.7	11	2.2	4	14.5	-	69	100	10	19	17	14	0	0	1	0	1	0	0	0	8	0	-	-	-
Antrim																																
Portrush Golf Club	99		9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ballymoney	99		55	18.0	6.9	12.5	-	24.4	12	2.3	4	-	-	63	-	17	19	17	15	0	-	0	0	2	0	0	-	-	-	-	-	-
Lisnafillan	99		38	17.5	7.6	12.5	-	23.9	12	1.7	5	-	-	79	-	13	19	14	13	0	0	0	0	0	0	0	2	-	-	7.49	-	-
Aldergrove	21-9	69		17.7	8.6	13.1	-0.2	23.7	12	2.8	5	14.7	10.7	79	125	14	26	15	14	0	0	0	0	2	0	0	2	0	0	7.21	121	-
Greenmount	99		32	17.8	8.1	12.9	-	24.2	12	2.2	5	14.8	-	94	-	15	26	15	14	0	0	0	0	0	0	1	-	-	-	-	-	-
Altnahinch	99		226	15.9	7.7	11.8	-	22.2	10,11,12	2.8	1,2,21	-	-	133	-	22	18	16	15	0	0	0	2	0	0	2	-	0	-	7.20	-	-
Parkmore Forest	99		235	15.4	7.0	11.2	-	21.7	12	2.2	1	11.9	-	99	-	19	19	16	13	0	0	0	0	0	0	2	-	0	-	-	-	-
Black Mountain	21-9	295		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lowtown	99		271	15.5	7.4	11.5	-	21.7	12	3.3	2	12.2	-	88	-	18	26	14	13	0	0	0	0	1	0	3	-	0	6.48	-	-	-
Ballypatrick Forest	99		152	15.8	7.3	11.5	-	23.1	12	2.5	5	-	-	98	-	18	19	15	14	0	0	0	0	1	1	0	3	-	0	7.60	-	-
Belfast, Malone*	35			17.8	8.3	13.1	-	24.4	12	3.9	5	14.7	-	62	-	17	2	14	10	0	-	0	0	0	0	0	0	-	-	7.07	-	-
Newtownabbey	99		32	17.4	9.7	13.5	-	23.3	12	6.1	2,21	15.1	-	55	-	14	2	13	10	0	0	0	0	0	0	0	-	0	-	-	-	-
Woodburn, North	99		217	15.8	6.1	10.9	-	21.1	12	0.6	5,21	-	-	84	107	19	2	15	12	0	0	0	0	1	3	0	3	-	-	-	-	-
Larne	99		43	17.9	8.2	13.1	-	23.3	12	4.4	1,5,21	-	-	59	89	13	19	15	12	0	0	0	0	0	0	0	-	-	-	-	-	-
Kilroot	99		22	17.1	7.9	12.5	-	22.2	12	3.9	2,21	-	-	46	-	13	2	11	9	0	0	0	0	0	0	0	-	-	-	-	-	-
Ballylumford	99		24	17.0	9.1	13.1	-	21.7	12,15	6.1	2.5	-	-	48	-	9	19	15	10	0	-	0	0	0	0	-	0	-	-	-	-	-
Down																																
Hillsborough	99		116	16.8	8.3	12.5	-0.4	23.3	12	3.3	5	13.4	10.4	63	109	13	19	12	10	0	0	0	0	0	0	3	-	-	7.99	132	-	
Kilkeel	21-9	18		16.0	8.9	12.5	-0.7	20.4	24	4.3	5	-	-	52	-	16	19	13	9	0	0	0	0	0	0	0	0	0	0	8.09	-	-
Tollymore Park	99		76	16.8	8.4	12.6	-	22.8	12	4.4	5	-	-	120	143	63	19	13	12	0	0	0	0	0	0	0	-	-	-	-	-	-
Rosetta	99		24	17.7	8.8	13.3	-	23.3	12	3.9	4,5	-	-	61	-	14	2	13	11	0	0	0	0	0	0	-	-	-	-	-	-	-
Murlough	99		9	17.1	6.7	11.9	-	20.6	10,24	1.1	5,21	14.2	11.7	64	-	29	19	12	7	0	0	0	0	1	0	5	-	0	7.83	-	-	
Stormont Castle	99		56	17.3	8.7	13.0	-	22.8	12	5.6	1,2	14.7	12.0	58	99	16	19	14	13	0	0	0	0	1	0	0	0	-	0	7.70	-	-
Downpatrick	99		36	17.7	7.8	12.7	-	22.2	10	2.8	8	-	-	51	-	12	19	14	13	-	-	-	-	0	0	0	-	-	-	-	-	-
Creighton's Green	99		119	16.4	8.4	12.4	-	21.7	12	5.6	1,5,24	-	-	64	-	15	19	14	12	0	0	0	0	0	0	0	-	0	-	-	-	-
Reagh Island**	99		12	17.2	9.4	13.3	-	22.8	10	6.7	5,21	-	-	39	-	8	19	12	9	-	-	-	-	0	0	0	-	-	-	7.66	-	-
Helen's Bay	99		43	17.4	9.0	13.2	-	23.3	12	3.9	5	-	-	51	-	11	19	14	11	0	0	0	0	0	0	0	0	-	0	8.13	-	-
Killough	21-9	15		15.5	8.3	11.9	-	18.6	24	4.6	5	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	-	1	-	-	-	-
Ballyhalbert	-		5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Armagh																																
Armagh	99		62	18.3	8.3	13.3	-0.5	25.0	12	2.8	5	15.7	12.7	60	99	18	19	12	11	0	0	0	0	1	0	0	1	-	0	6.33	112	-
Loughall	99		25	17.8	7.4	12.6	-	23.9	12	1.7	5	-	-	77	143	25	19	13	11	0	0	0	0	0	0	5	-	0	7.28	-	-	-
Bessbrook	-		76	-	-	-	-	-	-	-	-	-	-	79	115	22	19	15	13	-	-	-	-	-	-	-	-	-	-	7.58	123	-
Portadown	99		16	18.1	8.1	13.1	-	25.0	12	2.2	5	15.3	12.6	90	-	26	19	14	13	0	-	0	0	-	0	1	-	0	-	-	-	-
Lurgan	99		55	17.9	7.9	12.9	-	24.4	12	2.2	5	14.6	11.9	74	-	26	19	16	11	-	-	-	-	-	0	2	-	-	7.40	-	-	-
Tyrone																																
Lough Bradan	99		169	16.9	7.2	12.1	-	23.9	11,12	3.3	21	-	-	102	-	16	18	18	15	-	0	-	-	-	0	0	4	-	-	6.21	-	S
Baronscourt Forest	99		88	18.2	7.8	13.0	-	25.2	11	1.5	4	-	-	86	-	13	21	17	16	0	0	0	0	2	0	0	3	-	-	-	-	-
Strabane Convent	99		44	19.1	8.5	13.8	-	27.9	11	3.4	4	-	-	78	-	13	17	18	15	0	0	0	0	2	0	0	0	-	1	6.62	-	-
Carrigans	21-9	113		17.8	7.7	12.7	-	25.6	11	3.2	4	-	-	84	-	11	18	16	14	0	0	0	0	3	0	0	1	0	0	-	-	-
Lislap Forest	99		209	16.8	6.5	11.7	-	23.9	12	0.0	4	14.4	-	94	110	12	21	17	15	0	0	0	0	2	0	1	-	0	-	-	-	-
Knockmany Forest	99		73	17.7	5.9	11.8	-	24.3	12	1.1	4	-	-	77	-	16	18	16	12	0	0	1	0	3	0	0	2	-	-	-	-	-
Pomeroy Forest	99		165	16.9	7.2	12.1	-	22.8	11,12	2.8	2,4	14.2	-	103	-	23	19	16	15	0	0	0	0	1	0	0	3	-	0	-	-	-
Cookstown	99		77	17.5	7.3	12.4	-	24.4	12	1.7	4	13.2	-	96	146	22	19	17	14	0	-	0	0	0	0	0	3	-	-	5.88	-	-
Fermanagh																																
Roscor	99		143	17.3	8.0	12.7	-	23.0	11	3.6	4	-	-	125	148	21	18	22	16	0	0	0	0	1	0	0	2	-	-	-	-	-
Lough Navar Forest	99		148	17.5	7.0	12.3	-	24.7	11	1.8	4	-	-	118	-	22	18	20	14	0	0	0	0	1	0							



\* See Notes on Tables in the Introduction.



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JUNE, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)							VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION														
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-10 m.	10-100 m.	200-300 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
																									8 or more	6, 7	4, 5	1-3	Calm										
																									SPEED IN KNOTS														
34 or more	22-33	11-21	1-10	0																																			
Number of Observations																																							
6a. SCOTLAND, W. - contd.																																							
Lowther Hill [Lanark]																																							
3	1015.1	-	9.3	0.7	10.9	92	5.0	0	10	4	8	8	0	0	0	0	0	0	0	4	3	11	8	4	0	0	1	23	6	1	2	4	9	2	1	3	2		
9	1015.3	+0.5	13.9	2.5	11.6	79	5.7	0	6	4	14	6	0	0	0	0	0	0	0	2	15	7	6	0	1	6	19	4	1	1	2	3	5	3	9	2			
15	1015.1	-	15.5	3.3	11.6	67	5.1	0	7	6	12	5	0	0	0	0	0	0	0	3	8	8	11	0	0	11	19	0	0	0	1	0	7	3	14	5			
21	1015.3	-	12.5	1.6	11.8	81	5.3	0	4	10	10	6	0	0	0	0	0	0	0	4	9	8	9	0	0	1	24	5	2	1	3	2	6	2	5	4			
Eskdalmuir [Dumfries]																																							
3	1016.0	-	7.4	0.6	9.5	91	4.9	2	8	3	9	8	0	0	0	0	3	1	0	5	12	7	2	0	0	2	12	16	4	1	1	0	4	1	8	0			
9	1015.7	+0.9	13.2	2.6	10.9	72	5.9	1	3	3	16	7	0	0	0	0	0	0	0	5	10	10	5	0	0	9	16	5	1	2	3	7	4	6	2	0			
15	1015.2	-	15.9	3.6	11.5	65	5.8	0	4	8	10	8	0	0	0	0	0	0	0	2	11	8	9	0	0	15	12	3	0	3	3	2	4	10	4	1			
21	1016.1	-	11.0	1.4	10.9	83	4.5	1	12	2	10	5	0	0	0	0	1	1	5	6	13	4	0	0	1	20	9	4	4	1	0	5	3	2	2	0			
Mull of Galloway [Wigtown]																																							
3	1015.5	-	10.6	1.0	11.2	88	4.3	4	9	2	7	8	0	0	0	0	0	1	0	1	7	16	5	0	3	18	8	1	1	2	8	1	6	5	1	5			
9	1016.0	-	12.4	1.5	12.0	83	4.8	4	6	4	9	6	1	0	0	0	1	2	0	2	6	17	2	0	3	16	10	1	2	1	5	3	12	1	2	3			
15	1015.8	-	14.3	1.8	13.2	81	4.5	3	8	5	6	6	2	0	1	0	1	0	0	4	3	18	3	1	4	17	6	2	1	0	4	1	15	2	1	4			
21	1015.6	-	12.1	1.4	11.9	84	5.0	2	5	7	8	6	2	0	1	1	0	0	0	2	5	16	5	0	1	17	11	1	4	1	1	2	10	6	3	2			
6b. ISLE OF MAN																																							
Ronaldsway																																							
3	1015.0	-	10.4	1.0	11.1	87	5.5	0	5	7	13	5	0	0	0	0	0	0	3	3	9	5	10	0	0	7	22	1	5	6	2	3	5	0	4	4			
9	1015.6	-	13.3	1.9	12.0	78	5.0	1	5	9	8	7	0	0	0	0	0	1	5	7	6	10	0	0	9	21	0	0	2	8	7	3	4	2	4				
15	1015.4	-	15.4	3.1	11.9	68	4.7	1	7	7	10	5	0	0	0	0	0	2	2	6	6	14	0	0	12	18	0	1	1	6	3	11	4	4	0				
21	1015.3	-	12.5	1.6	11.8	81	4.6	0	11	3	11	5	0	0	0	0	0	0	0	2	12	7	9	0	0	4	26	0	9	0	1	5	4	5	3	3			
Point of Ayre																																							
3	1015.	-	10.3	0.7	11.5	91	5.0	0	9	6	11	4	0	0	0	0	0	1	2	10	7	10	0	0	12	15	3	1	3	1	7	6	5	4	0				
9	1016.3	-	13.1	1.4	12.6	89	5.4	0	4	11	9	6	0	0	0	0	0	2	5	10	7	6	0	1	15	14	0	0	5	2	10	2	4	6	1				
15	1016.1	-	15.6	2.7	12.7	72	5.0	1	5	9	10	5	0	0	0	0	0	0	5	5	10	9	0	1	15	14	0	1	2	2	7	3	2	11	2				
21	1015.9	-	12.4	1.3	12.2	84	5.4	0	5	8	10	7	0	0	0	0	0	0	4	4	15	7	0	0	4	20	6	1	2	0	5	2	7	5	2				
2. ENGLAND, N.E.																																							
Acklington [Northumberland]																																							
3	1015.5	-	8.6	0.5	10.5	94	5.1	2	6	4	10	7	1	0	1	1	0	2	5	10	5	5	1	0	0	4	19	7	4	2	0	2	2	1	11	1			
9	1015.8	+0.9	13.9	2.2	12.2	77	5.4	1	4	6	14	4	1	0	0	0	1	0	2	10	8	4	5	0	0	8	21	1	3	5	2	8	3	3	4	1			
15	1015.7	-	14.5	2.4	12.4	75	5.4	1	4	5	15	5	0	0	0	0	0	3	8	7	5	7	0	0	14	15	1	1	5	5	10	2	1	5	0				
21	1015.9	-	11.4	1.1	11.7	86	5.2	0	4	10	11	4	1	0	1	0	1	0	2	8	10	6	2	0	0	5	23	2	3	2	2	5	7	0	9	0			
Tynemouth [Northumberland]																																							
3	1015.6	-	10.2	0.7	11.3	90	5.2	4	3	4	5	10	0	0	0	0	1	1	0	12	10	2	0	0	0	6	18	2	3	1	1	0	7	3	8	1			
9	1016.3	+1.0	12.7	1.7	11.8	80	5.3	2	6	4	8	8	2	0	2	0	0	0	3	10	9	6	0	0	2	13	13	2	4	0	3	8	4	1	6	2			
15	1016.1	-	13.6	1.9	12.4	80	5.4	1	5	7	9	8	0	0	0	0	1	0	2	14	5	8	0	0	3	14	13	0	6	2	1	10	5	1	5	0			
21	1016.2	-	12.5	1.6	12.0	83	5.3	1	1	13	9	6	0	0	0	0	0	0	7	7	11	5	0	0	1	9	17	3	4	0	1	3	10	1	7	1			
Seahouses [Northumberland]																																							
3	1015.9	-	9.3	0.6	10.9	93	4.7	0	12	4	4	7	3	1	2	0	0	0	5	9	6	5	2	0	0	5	23	2	3	0	1	1	12	4	4	3			
9	1016.4	-	12.9	1.5	12.3	82	5.0	1	8	7	3	10	1	0	0	1	1	0	4	11	4	3	6	0	1	4	24	1	8	1	1	3	11	2	3	0			
15	1016.3	-	13.9	1.9	12.6	80	4.8	2	7	7	9	3	2	0	0	0	2	0	3	9	5	4	7	0	0	9	20	1	5	2	3	4	10	1	4	0			
21	1016.1	-	12.1	1.2	12.2	86	4.9	0	8	7	7	7	1	1	0	0	0	2	4	3	10	3	7	0	0	3	26	1	2	2	3	5	9	2	6	0			
Leeming [Yorks, N.Riding]																																							
3	1016.1	-	9.4	0.9	10.5	88	4.4	2	10	4	7	6	1	1	0	0	1	3	3	10	4	3	5	0	0	1	20	9	5	0	0	4	5	1	5	1			
9	1016.4	-	14.1	2.6	11.5	72	4.9	4	3	8	10	5	0	0	0	0	1	1	2	8	5	6	7	0	0	8	21	1	4	2	0	1	13	1	5	3			
15	1015.8	-	17.7	4.3	12.1	60	5.6	2	2	5	16	5	0	0	0	0	0	0	2	3	9	7	9	0	0	11	18	1	1	7	0	7	4	3	6	1			
21	1016.3	-	13.4	2.0	12.0	78	4.9	1	6	9	8	6	0	0	0	0	0	3	2	6	8	4	7	0	0	3	24	3	6	1	0	4	8	3	5	0			
Whitby C.G. [Yorks, N.Riding]																																							
3	1015.7	-	9.4	1.0	10.4	87	4.2	0	12	6	7	4	1	0	2	0	1	2	0	5	17	3	1	0	1	7	17	5	2	1	0	1	15	3	2	1			
9	1016.2	-	12.4	1.6	11.8	82	5.3	1	7	6	5	10	1	0	1	0	0	2	2	3	15	5	2	0	3	7	16	4	1	3	2	7	2	4	2	5			
15	1015.9	-	14.1	2.1	12.5	79	5.2	0	6	5	15	4	0	0	0	0	1	0	0	4	14	9	2	0	2	14	13	1	2	3	4	11	1	2	2	4			
21	1016.0	-	12.2	1.7	11.4	80	5.4	0	8	6	7	8	1	0	1	0	0	0	3	17	7	2	0	1	9	17	3	3	1	0	8	10	2	2	1				
Leconfield [Yorks, E.Riding]																																							
3	1016.6	+1.1	14.3	2.7	11.5	71	4.9	3	4	7	9	7	0	0	0	0	0	0	1	8	9	10	2	0	0	10	16	4	2	4	3	1	6	2	4	4			
9	1016.2	-	17.0	4.3	11.6	60	5.2	2	4	6	14	4	0	0	0	0	0	0	3	11	14	2	0	1	17	12	0	1	3	8	2	6	4	4	2				
15	1016.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
21	1016.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Kilnsea [Yorks, E.Riding]																																							
3	1016.4	-	10.5	0.7	11.6	91	4.5	2	7	9	6	6	0	0	0	2	1	0	0	8	19	0	0	0	2	13	12	3	4	2	2	1	6	2	6	4			
9	1017.0	+1.1	12.7	1.6	12.0	82	5.0	1	6	11	2	9	1	0	0	2	1	0	0	11	16	0	0	0	3	11	15	1	4	4	4	4	5	1	7	0			
15	1016.8	-	14.3	2.1	12.8	79	5.0	1	3	15	6	5	0	1	0	0	1	0	1	6	21	0	0	0	3	18	9	0	5	4	5	6	3	1	5	1			



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS

JUNE,

1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)					VISIBILITY (Metres and Kilometres)							WIND SPEED AND DIRECTION																					
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-39 m.	40-199 m.	200-399 m.	400-599 m.	1000-1999 m.	2000-3999 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
																									SPEED IN KNOTS																
																									8 or more	6-7	4-5	1-3	Calm												
																									24 or more	22-33	11-21	1-10	0												
Number of Observations																																									
3.	ENGLAND, E. — contd.																																								
Mildenhall [Suffolk]	12	3	1016.3	-	9.5	0.8	10.9	90	4.2	3	11	3	6	7	0	0	0	2	0	0	2	13	10	3	0	0	0	0	24	6	4	2	0	2	4	6	3	3	7		
	9	3	1016.7	+0.3	15.5	3.1	12.1	99	4.6	2	7	8	8	5	0	0	0	0	0	1	1	3	13	11	1	0	0	4	25	1	3	6	2	2	2	3	4	7			
	15	3	1016.1	-	18.6	4.9	12.0	57	5.5	0	6	5	13	6	0	0	0	0	1	0	2	8	15	4	0	0	0	3	27	0	7	3	4	1	3	5	5	2			
	21	3	1016.8	-	13.8	2.3	11.9	75	5.0	1	6	6	12	5	0	0	1	0	0	0	4	12	12	1	0	0	1	25	4	4	3	4	3	6	3	1	2				
Wattisham [Suffolk]	91	3	1016.2	-	9.3	0.5	11.0	92	4.2	3	7	7	6	5	2	0	2	0	1	1	5	10	9	2	0	0	0	4	24	2	7	5	1	1	3	5	3	3			
	9	3	1016.4	-	14.7	2.8	11.9	71	4.7	1	7	6	12	4	0	0	0	0	1	0	2	3	10	11	3	0	0	11	19	0	7	4	1	2	3	2	3	8			
	15	3	1016.0	-	17.2	4.3	11.5	59	5.6	1	5	3	15	6	0	0	0	0	0	0	3	1	7	12	7	0	0	12	18	0	5	9	0	3	5	1	5	2			
	21	3	1016.8	-	12.5	1.9	11.4	78	4.9	2	4	9	13	2	0	0	0	1	0	0	9	9	9	2	0	0	0	4	26	0	5	8	2	6	3	2	2	2			
Aldeburgh [Suffolk]	9	3	1015.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	9	3	1016.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	15	3	1016.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	21	3	1016.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Wyton [Hunts]	43	3	1016.2	-	9.6	0.9	10.9	89	4.8	0	8	7	9	6	0	0	0	0	1	4	14	9	2	0	0	0	1	24	5	7	1	0	2	2	6	5	2				
	9	3	1016.5	-	14.9	2.7	12.1	71	5.1	3	1	11	10	5	0	0	0	0	1	1	2	14	11	1	0	0	10	19	1	5	5	2	2	4	2	3	6				
	15	3	1016.0	-	18.3	4.8	11.9	57	5.7	0	5	4	16	5	0	0	0	0	0	1	2	10	12	5	0	0	16	14	0	7	4	3	0	4	5	5	2				
	21	3	1016.6	-	13.6	2.3	11.7	74	4.8	0	9	5	11	5	0	0	0	0	1	0	7	13	8	1	0	0	4	24	2	6	3	4	3	3	5	1	3				
Cardington [Bedford]	29	3	1016.2	-	8.3	0.3	10.6	96	4.5	2	10	4	8	6	0	0	1	0	0	3	18	7	0	1	0	0	2	23	5	5	1	1	3	4	5	4	2				
	9	3	1016.6	+0.0	15.1	2.7	12.2	71	5.1	1	4	10	11	4	0	0	0	0	1	6	14	9	0	0	0	0	9	21	0	8	3	1	2	5	3	5	3				
	15	3	1015.9	-	18.2	4.7	11.9	57	5.5	0	6	6	11	7	0	0	0	0	0	0	2	12	16	0	0	0	7	23	0	7	2	3	2	4	4	5	3				
	21	3	1016.5	-	12.7	1.7	12.0	81	4.2	1	12	3	10	4	0	0	0	0	0	0	8	12	10	0	0	0	2	27	1	5	4	3	2	9	1	4	1				
Stansted [Essex]	102	3	1016.3	-	9.3	0.7	10.7	90	3.8	4	10	5	4	7	0	0	0	1	0	5	13	7	4	0	0	0	5	17	8	6	1	1	2	2	3	2	5				
	9	3	1016.6	-	14.9	2.9	11.7	69	4.3	2	6	13	6	3	0	0	0	0	1	1	2	8	17	1	0	0	11	18	1	6	5	3	0	4	3	3	5				
	15	3	1016.0	-	17.5	4.5	11.6	59	5.4	1	4	7	14	4	0	0	0	0	0	1	1	7	17	4	0	0	15	15	0	8	2	6	1	4	3	5	1				
	21	3	1016.8	-	13.0	2.1	11.5	76	4.4	3	5	11	7	4	0	0	0	1	0	0	4	12	13	0	0	0	2	22	6	5	4	2	3	3	4	1	2				
Shoeburyness [Essex]	5	3	1016.1	-1.0	15.4	2.5	13.0	74	4.9	1	3	11	12	3	0	0	0	0	0	3	11	8	5	3	0	0	11	19	0	6	5	2	0	6	3	0	8				
	15	3	1015.8	-	17.3	3.8	12.5	64	5.4	2	3	6	15	4	0	0	0	0	1	0	9	6	7	7	0	0	17	13	0	4	6	6	1	3	6	0	4				
	21	3	1016.3	-	13.6	1.9	12.4	78	4.7	1	7	8	10	4	0	0	0	1	0	0	10	11	3	5	0	0	10	19	1	5	6	2	2	5	6	2	1				
Walton-on-Naze [Essex]	8	3	1015.9	-	11.8	1.1	12.2	87	4.0	3	9	6	4	7	1	0	1	1	0	0	1	8	19	0	0	0	1	7	21	1	4	6	2	1	1	3	6	6			
	9	3	1016.4	-	15.3	2.5	12.9	74	4.4	1	10	6	7	6	0	0	0	0	0	2	11	17	0	0	0	1	10	19	0	5	10	1	1	3	3	2	5				
	15	3	1016.3	-	16.4	3.2	12.8	69	5.0	1	5	9	7	8	0	0	0	0	0	2	9	19	0	0	0	0	19	11	0	3	8	4	1	5	6	2	1				
	21	3	1016.6	-	14.0	2.1	12.5	77	4.3	2	6	12	5	5	0	0	0	0	0	0	10	20	0	0	0	1	8	19	2	4	9	0	2	5	4		1				
4.	MIDLAND COUNTIES																																								
Huddersfield Oaks [Yorks, W.R.]	234	3	1015.1	-	8.5	1.6	8.8	78	3.9	4	7	10	0	8	1	0	1	1	0	1	2	16	3	6	0	0	0	5	22	3	6	0	4	3	2	2	5	5			
	9	3	1015.9	-	14.2	2.6	11.7	72	5.0	3	1	12	9	5	0	0	0	0	2	5	10	5	8	0	0	0	5	24	1	2	5	4	3	2	3	7	3				
	15	3	1015.7	-	16.9	4.0	11.9	63	5.3	0	4	8	12	6	0	0	0	0	0	1	7	4	17	1	0	0	10	20	0	0	4	5	3	3	3	10	2				
	21	3	1015.8	-	11.9	1.7	11.2	80	4.5	3	9	3	5	10	0	0	0	0	1	1	20	4	4	0	0	0	3	19	8	2	3	3	0	1	6	4	3				
Watnall [Nottingham]	119	3	1016.1	-	9.4	0.7	10.8	91	4.1	2	10	9	2	7	0	0	0	0	0	5	17	6	2	0	0	0	2	20	8	2	5	0	2	2	1	7	3				
	9	3	1016.4	+0.2	14.3	2.6	11.8	72	5.1	3	4	6	14	3	0	0	0	0	0	5	10	11	4	0	0	0	6	24	0	1	7	3	2	3	8	4	2				
	15	3	1015.7	-	17.6	4.3	12.1	60	5.3	1	4	7	13	5	0	0	0	0	0	1	3	11	12	3	0	0	11	19	0	1	5	4	2	5	3	7	3				
	21	3	1016.3	-	12.8	1.8	11.9	79	4.4	3	8	6	6	7	0	0	0	0	0	1	10	17	1	1	0	0	3	25	2	1	5	6	0	4	3	4	5				
Finningley [Nottingham]	14	3	1016.0	-	9.8	0.7	11.2	91	3.9	4	11	2	7	6	0	0	0	0	0	6	14	6	4	0	0	0	2	17	11	6	1	1	1	4	1	0	5				
	9	3	1016.5	+0.6	15.0	2.5	12.6	74	5.0	2	5	5	12	6	0	0	0	0	0	7	16	5	2	0	0	0	7	22	1	4	4	2	3	7	2	2	5				
	15	3	1015.9	-	18.4	4.0	13.4	64	5.2	2	4	9	9	6	0	0	0	0	1	2	6	19	2	0	0	0	9	21	0	3	2	4	3	7	3	4	4				
	21	3	1016.4	-	13.4	1.7	12.6	81	4.6	1	9	5	11	4	0	0	0	0	2	5	14	8	1	0	0	0	2	28	0	3	3	2	6	7	1	1	7				
Wittering [Northampton]	67	3	1016.1	-	9.6	0.7	10.9	90	4.3	2	11	3	8	6	0	0	0	0																							



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JUNE.

JUNE,

1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)					VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION																
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-10 m.	40-100 m.	200-300 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
																									34 or more	6-7	4-5	1-3	Calm										
																									SPEED IN KNOTS														
34 or more	22-33	11-21	1-10	0	Number of Observations																																		
4. MIDLAND COUNTIES — contd.																																							
Little Rissington [Gloucester]																																							
229	3	1016.4	-	9.6	1.0	10.4	86	4.3	4	7	7	6	6	0	0	0	0	1	2	8	6	7	6	0	0	0	8	20	2	2	7	1	2	6	6	2	6		
	9	1016.6	-0.2	13.6	2.7	11.0	70	5.4	2	2	6	18	2	0	0	0	0	1	0	0	7	15	7	0	0	0	10	19	1	2	6	1	3	4	4	5			
	15	1016.0	-	16.8	4.6	10.6	56	5.6	0	3	8	14	5	0	0	0	0	0	2	3	15	10	0	0	0	14	16	0	2	4	4	0	4	6	4	5			
	21	1016.7	-	13.0	2.4	10.9	73	4.1	2	9	8	5	6	0	0	0	0	0	0	6	5	12	7	0	0	8	21	1	2	7	2	0	5	7	2	4			
5. ENGLAND, S.E.																																							
Heathrow [Greater London]																																							
26	3	1016.2	-	11.0	1.3	11.1	84	4.2	2	10	5	7	6	0	0	0	0	0	2	10	17	1	0	0	0	5	21	4	7	4	1	0	5	2	4	3			
	9	1016.4	-	15.7	3.5	11.5	65	5.1	1	5	7	14	3	0	0	0	0	0	2	4	13	11	0	0	0	13	17	0	5	7	1	0	7	3	3	4			
	15	1015.8	-	19.0	5.4	11.3	53	5.7	0	2	9	13	6	0	0	0	0	0	0	3	12	13	2	0	0	19	11	0	6	3	3	2	4	3	5	4			
	21	1016.5	-	15.3	3.5	11.2	65	4.1	2	11	3	10	4	0	0	0	0	0	0	4	16	10	0	0	0	12	18	0	5	5	4	0	3	7	3	3			
Kew [Greater London]																																							
10	9	1016.5	-0.5	15.7	3.6	11.8	66	4.9	0	6	9	11	4	0	0	0	0	0	0	10	9	11	0	0	0	8	22	0	3	7	3	1	4	5	2	5			
	15	1015.9	-	18.4	5.6	11.1	54	5.2	0	4	10	9	7	0	0	0	0	0	0	5	6	16	3	0	0	13	17	0	4	2	7	0	4	6	3	4			
	21	1016.7	-	14.4	3.6	10.7	66	3.6	2	11	8	5	4	0	0	0	0	0	2	2	13	13	0	0	0	7	22	1	2	5	6	0	5	5	3	3			
Watlington [Surrey]																																							
59	3	1016.3	-	9.4	0.6	11.0	92	4.8	2	6	7	9	6	0	0	0	2	0	1	7	14	6	0	0	0	2	20	8	7	3	0	0	5	2	3	2			
	9	1016.6	-	15.2	2.8	12.3	71	5.5	0	4	7	16	3	0	0	0	0	0	1	9	13	6	1	0	0	6	24	0	5	9	0	0	5	4	1	6			
	15	1016.1	-	18.2	4.5	12.2	59	5.6	0	3	8	15	4	0	0	0	0	0	0	6	10	12	2	0	0	13	17	0	2	8	2	0	4	4	5	5			
	21	1016.8	-	13.3	2.2	11.5	75	4.5	1	10	4	10	5	0	0	0	0	1	1	9	15	4	0	0	0	1	27	2	2	8	2	1	4	8	0	3			
Dungesness [Kent]																																							
7	3	1015.7	-	12.0	1.0	12.5	89	4.2	5	7	5	5	8	0	0	0	0	0	1	9	6	14	0	0	1	11	18	0	7	3	6	0	5	2	7	0			
	9	1016.3	-	15.3	1.9	14.0	80	4.5	3	3	12	9	3	0	0	0	0	0	1	8	10	11	0	0	2	15	13	0	7	3	7	0	5	1	5	2			
	15	1016.1	-	16.8	2.7	14.0	73	4.0	3	9	8	4	6	0	0	0	0	0	1	4	14	11	0	0	3	18	9	0	3	5	6	0	5	3	8	0			
	21	1016.5	-	13.5	1.3	13.1	84	3.9	4	11	3	7	5	0	0	0	0	0	0	6	17	7	0	0	0	14	16	0	2	8	6	0	2	5	6	1			
Deal [Kent]																																							
10	3	1015.3	-	12.0	1.0	12.4	88	4.9	4	4	4	9	8	1	0	0	1	1	1	5	11	10	0	0	0	12	18	0	2	6	1	1	1	4	10	5			
	9	1015.7	-	14.7	2.0	13.3	79	5.5	1	4	7	11	7	0	0	0	1	1	5	9	8	6	0	0	0	19	11	0	7	8	1	0	3	4	3	4			
	15	1015.6	-	15.7	2.5	13.2	74	5.0	2	4	7	8	8	0	0	0	0	0	3	10	12	4	0	0	1	19	8	1	5	6	1	2	3	7	3	1			
	21	1016.1	-	13.6	1.6	12.9	82	4.3	4	8	5	5	8	0	0	0	0	0	1	13	10	6	0	0	3	11	12	4	2	10	1	0	1	5	6	1			
Manston [Kent]																																							
15	3	1016.1	-	11.3	0.8	12.2	90	5.0	3	4	6	12	4	1	1	0	1	1	0	1	4	8	13	1	0	0	11	17	2	5	8	1	1	4	2	5	2		
	9	1016.4	-	14.7	2.0	13.2	79	5.5	0	4	9	12	5	0	0	0	0	1	3	6	7	9	4	0	0	17	12	1	7	6	0	1	3	5	1	6			
	15	1016.3	-	16.8	3.4	12.9	67	4.5	2	5	12	7	4	0	0	0	0	0	2	4	10	9	5	0	0	21	9	0	3	10	1	4	2	6	1	3			
	21	1016.8	-	12.8	1.5	12.4	83	4.4	1	9	6	12	2	0	0	0	0	0	2	6	11	5	6	0	0	9	21	0	1	10	2	2	5	7	2	1			
Thorney Island [Sussex]																																							
4	3	1016.2	-	11.2	1.1	11.6	86	5.1	0	6	7	12	5	0	0	0	0	1	0	1	3	14	10	1	0	2	8	20	0	8	6	1	0	4	1	6	4		
	9	1016.7	-0.7	15.6	3.0	12.3	69	5.2	1	5	7	15	2	0	0	0	0	0	1	1	12	12	4	0	0	15	15	0	4	8	2	0	6	3	5	2			
	15	1016.4	-	17.6	3.9	12.6	63	5.6	1	3	5	18	3	0	0	0	0	0	0	1	7	14	8	0	0	21	9	0	2	5	2	0	7	8	3	3			
	21	1016.8	-	14.0	2.1	12.3	77	4.3	3	7	7	10	3	0	0	0	0	0	1	5	8	10	6	0	0	12	18	0	2	8	2	0	4	7	4	3			
East Hoathly [Sussex]																																							
41	9	1016.3	-	15.7	2.9	12.6	71	5.7	0	4	7	16	3	0	0	0	0	0	1	4	16	9	0	0	0	5	25	0	4	1	9	0	4	4	4	4			
	15	1016.1	-	17.9	4.0	12.8	63	5.5	1	3	6	16	4	0	0	0	0	0	1	4	14	11	0	0	0	9	21	0	4	5	4	0	5	7	4	1			
	21	1016.7	-	12.4	1.4	12.1	84	3.9	3	11	5	5	6	0	0	0	0	0	1	8	13	8	0	0	0	0	26	4	4	5	5	0	7	0	4	1			
Eastbourne C.G. [Sussex]																																							
7	9	1016.1	-1.3	15.6	2.3	13.5	76	4.6	2	1	16	6	5	0	0	0	0	0	1	9	20	0	0	0	3	8	16	3	10	4	3	0	6	1	2	1			
	15	1016.0	-	17.6	3.5	13.5	68	4.9	1	2	16	7	4	0	0	0	0	0	1	8	21	0	0	1	2	12	13	2	3	2	4	1	4	4	8	2			
	21	1016.2	-	13.9	1.8	12.7	80	4.5	2	4	13	6	5	0	0	0	0	0	0	9	21	0	0	0	1	5	20	4	8	0	3	0	3	2	8	2			
Abingdon [Berkshire]																																							
71	3	1016.3	-	9.7	0.9	10.8	88	4.0	3	9	6	8	4	0	0	0	0	0	3	8	16	3	0	0	0	4	21	5	4	6	1	2	5	0	3	4			
	9	1016.6	-	15.3	3.3	11.5	67	5.5	0	4	6	16	4	0	0	0	0	0	0	7	15	7	1	0	0	7	23	0	4	4	4	1	6	4	4	3			
	15	1015.9	-	18.7	5.0	11.8	55	5.5	0	4	10	11	5	0	0	0	0	0	0	3	10	11	6	0	0	10	20	0	4	4	4	2	3	5	6	2			
	21	1016.6	-	13.9	2.4	11.7	74	4.1	2	9	7	7	5	0	0	0	0	0	1	9	10	8	2	0	0	2	27	1	4	6	4	0	3	4	5	3			
Hurn [Cheshire]																																							
14	3	1015.9	-	10.1	0.9	11.1	88	4.4	4	5	7	11	3	0	0	0	0	0	3	6	16	5	0	0	0	6	21	3	7	4	0	0	6	1	4	5			
	9	1016.4	-	15.7	3.0	12.4	70	5.2	0	4	10	13	3	0	0	0	0	0	2	0	16	11	1	0	0	12	18	0	3	9	1	1	6	3	5	2			
	15	1016.1	-	18.5	4.7	12.2	58	4.7	1	5	11	12	1	0	0	0	0	0	0	2	8	15	5	0	0	17	13	0	4	5	1	1	8	5	4	2			
	21	1016.5	-	13.9	2.1	12.2	76	3.9	2	10	8	6	4	0	0	0	0	0	3	5	10	10	2	0	0	6	24	0	4	5	0	4	5	3	5	4			
S. Farnborough [Hampshire]																																							
70	3	1016.5	-	9.8	0.9	10.9	89	4.2	4	9	4	6	7	0	0	0	0	1	1	12	10	5	1	0	0	4	19	7	5	2	2	1	3	1	3	6			
	9	1016.7	-0.4	15.3	3.0	12.1	70	5.0	0	7	8	12	3	0	0	0	0	0	0	1	7	12	10	0	0	6	24</												



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS

JUNE,

1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)						WIND SPEED AND DIRECTION																		
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-10 m.	10-100 m.	200-1000 m.	400-1000 m.	1000-1000 m.	2000-1000 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
																									SPEED IN KNOTS													
																									More than 22-33	11-21	1-10	0										
																									Number of Observations													
Speke [Lancashire]	26	3	1015.7	-	10.5	0.7	11.7	91	4.9	1	8	5	14	2	0	0	0	0	0	5	7	13	5	0	0	0	5	24	1	1	1	7	4	6	1	2	7	
		9	1016.2	-	14.7	2.6	12.2	73	5.3	1	4	8	14	3	0	0	0	0	0	2	8	10	8	2	0	0	10	20	0	2	1	1	6	10	2	4	4	
		15	1015.7	-	17.7	3.9	12.9	64	5.2	0	5	8	13	4	0	0	0	0	0	1	5	7	7	10	0	1	13	16	0	0	3	1	4	5	2	7	8	
		21	1015.9	-	13.8	1.9	12.6	79	4.6	0	9	8	9	4	0	0	0	0	0	1	9	10	7	3	0	0	7	20	3	3	2	5	3	3	3	2	6	
Ringway [Cheshire]	76	3	1016.1	-	10.2	1.2	10.7	85	4.8	1	8	3	15	3	0	0	0	0	0	4	11	10	5	0	0	0	4	19	7	1	2	4	5	7	0	2	2	
		9	1016.5	+0.7	14.5	3.3	10.7	65	5.0	3	2	11	11	3	0	0	0	0	2	9	13	6	0	0	0	0	12	17	1	1	2	5	2	6	5	5	3	
		15	1015.9	-	17.6	4.8	11.0	56	5.5	0	5	7	12	6	0	0	0	0	0	5	14	11	0	0	0	0	12	18	0	2	4	3	2	6	2	7	4	
		21	1016.4	-	13.7	2.4	11.6	73	4.6	0	11	3	11	5	0	0	0	0	2	12	11	5	0	0	0	0	3	25	2	3	3	4	2	5	2	2	7	
7b. NORTH WALES																																						
Valley [Anglesey]	11	3	1015.3	-	10.9	1.0	11.5	88	4.4	1	9	6	11	3	0	0	0	0	0	6	10	14	0	0	1	12	15	2	1	4	8	1	6	2	2	4		
		9	1016.1	+0.2	14.1	2.2	12.2	76	4.9	2	4	8	13	3	0	0	0	0	1	5	6	13	5	0	3	13	13	1	0	6	0	1	10	5	3	4		
		15	1015.9	-	16.3	3.4	12.2	67	4.3	1	8	10	6	5	0	0	0	0	0	4	7	5	14	0	5	17	8	0	3	7	0	1	9	5	3	2		
		21	1015.7	-	12.8	1.6	12.2	82	4.6	0	8	9	9	4	0	0	0	0	0	5	9	8	8	0	1	13	16	0	5	4	3	1	9	6	1	1		
Bardsey Island [Caernarvon]	19	3	1015.3	-	11.7	0.7	12.6	91	4.8	0	8	9	5	8	0	0	0	0	0	2	14	13	1	0	1	11	17	1	4	1	6	4	5	3	2	4		
		9	1016.1	-	13.1	1.1	13.2	87	4.9	2	3	12	8	5	0	0	0	0	0	2	8	15	5	0	2	9	14	5	2	2	4	1	7	3	2	4		
		15	1016.0	-	14.4	1.4	14.0	85	5.3	0	3	11	8	8	0	0	0	0	0	2	7	11	10	0	1	15	12	2	11	1	0	0	6	7	2	1		
		21	1015.5	-	12.9	1.0	13.2	88	5.8	0	1	11	11	6	1	0	0	0	1	0	2	10	13	4	0	1	14	12	3	6	3	1	1	6	8	1	1	
8a. SOUTH WALES																																						
Aberporth [Cardigan]	134	3	1015.4	-	10.8	1.2	11.1	85	4.7	3	5	6	11	5	0	0	0	0	0	1	3	8	11	6	1	0	0	8	19	3	1	0	6	2	12	3	3	0
		9	1016.2	+0.0	13.2	2.0	11.7	78	5.0	2	5	5	15	3	0	0	1	0	0	2	15	9	1	0	1	13	14	2	1	6	2	0	6	3	8	2		
		15	1016.0	-	14.9	2.7	12.2	73	4.2	1	10	8	7	4	0	0	0	0	0	1	2	13	10	4	0	1	13	16	0	3	4	1	0	6	2	7	7	
		21	1015.8	-	12.6	1.6	11.9	82	4.7	1	8	4	14	3	0	0	0	0	0	9	10	10	1	0	0	10	18	2	2	3	3	0	8	5	6	1		
Milford Have C.B. [Pembroke]	39	3	1015.5	-	12.0	1.2	12.2	86	4.1	8	1	7	8	6	0	0	0	0	0	1	12	11	6	0	0	0	6	21	3	3	6	2	0	4	6	3	3	
		9	1016.5	-	14.4	2.4	12.2	75	4.5	5	3	7	12	3	0	0	0	0	0	13	16	1	0	0	0	10	16	4	1	0	7	2	6	2	4	4		
		15	1016.2	-	16.5	3.2	12.8	69	4.0	2	9	10	3	6	0	0	0	0	0	1	10	17	2	0	0	1	12	16	1	1	0	2	1	6	9	5	5	
		21	1015.9	-	13.9	1.8	12.7	80	5.1	2	4	7	11	6	0	0	0	0	0	2	13	13	2	0	0	0	8	19	3	7	4	1	2	2	7	4	0	
Mumbles [Glamorgan]	37	3	1015.3	-	12.5	1.1	12.7	87	5.1	2	4	7	10	7	0	0	0	0	0	1	5	8	14	2	0	1	13	12	4	5	4	5	0	2	5	4	1	
		9	1016.2	-	14.1	1.7	13.1	81	5.3	1	2	10	12	5	0	0	0	0	0	2	11	8	9	0	0	3	7	19	1	0	3	5	0	8	4	5	4	
		15	1016.0	-	16.2	2.7	13.4	73	5.4	0	0	14	12	4	0	0	0	0	0	1	9	5	11	4	0	4	13	12	1	0	1	4	0	3	10	9	2	
		21	1015.8	-	14.5	1.8	13.3	81	5.0	0	6	9	9	6	0	0	1	0	0	8	10	9	1	0	2	16	11	1	3	0	5	2	2	3	8	6		
Rhoose [Glamorgan]	69	3	1015.9	-	11.0	1.1	11.5	87	5.4	2	5	2	15	6	0	0	0	0	0	2	4	16	7	1	0	0	7	18	5	1	6	2	2	2	2	7	3	
		9	1016.5	-0.6	14.4	2.4	12.1	73	5.6	1	1	10	15	3	0	0	0	0	0	8	7	13	2	0	1	15	14	0	1	2	8	2	6	1	7	3		
		15	1016.1	-	17.2	3.8	12.5	64	4.9	0	7	8	12	3	0	0	0	0	0	3	10	0	7	0	0	18	12	0	0	2	5	4	4	1	4	0		
		21	1016.3	-	13.5	1.9	12.3	80	5.3	1	5	6	13	5	0	0	0	0	0	1	6	10	8	5	0	0	9	1	0	4	5	2	3	1	2	3		
8b. ENGLAND, S.W.																																						
Yeovilton [Somerset]	23	3	1016.3	-	10.4	1.0	11.2	87	4.7	0	7	9	12	2	0	0	0	0	0	1	4	20	5	0	0	0	5	13	12	1	3	2	1	4	3	3	1	
		9	1016.8	-	15.3	2.9	12.3	70	5.1	1	3	9	14	3	0	0	0	0	0	2	17	10	1	0	0	0	13	12	5	3	5	1	0	5	2	6	3	
		15	1016.4	-	18.8	5.0	12.0	56	5.0	1	2	14	9	4	0	0	0	0	0	1	8	17	4	0	0	2	19	9	0	2	2	5	2	4	8	2	5	
		21	1016.5	-	14.3	2.5	12.1	74	5.1	0	4	13	6	7	0	0	0	0	0	1	3	10	14	2	0	0	6	18	6	1	3	3	1	6	4	2	4	
Portland Bill [Dorset]	54	3	1015.8	-	11.8	1.1	12.2	87	4.6	2	8	7	6	7	0	0	0	0	0	1	8	12	9	0	0	1	14	13	2	3	11	1	0	1	4	5	3	
		9	1017.1	-	14.2	1.8	13.0	81	4.6	0	11	6	7	5	1	1	0	0	0	5	15	5	4	0	2	14	14	0	0	5	7	2	4	0	8</			







TABLE II—ADDITIONS JUNE, 1969.

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
			Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
						Dates of Occurrence	Dura- tion (hr)	No.of days	Duration in Hours						Veer from N		Speed in knots	Hour ended at day hour	Veer from N	Speed in knots	Day and Time																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1	Aberdeen	Fraserburgh	29	13	11																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

TABLE III—ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	Max. Terminal hr. GMT Min. of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE				
					MEANS OF		Daily Mean (mean of A & B)	Difference from 1931—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916—50 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure
					Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date	0.2 mm or more	1.0 mm or more													
1963	March	Duntulm												5.73*	177	1.17*	24	25	22	3	0	0	0	0	0	0	6	3					
1964	August	Benbecula																											4				
	February	Prabost																															
	August																																
1966	November	Inveralmond									-7.2																						
1968	February	Preston Wynne					1.5																										
	July	Ilfracombe					(11.3)	(14.7)	(-1.6)		7.8	4																					
1969	January	St. Austell			(9.6)		(7.3)																										
		Glenlee					1.1	3.9	+1.3																								
	February	Morley St. Botolph												59		9	7																
		Cannington												81	153			16	11														
		Cricket Malherbie														24	21	17	9														
		Cheddar												33		8	19	15	9														
		Bath												41	71			15	8														
		Totnes												96		30	1																
		Skegness												41	105			16	11														

\* Rainfall in inches.

Ø Amendment to correction in M.W.R. October 1968.

CORRECTION TO INTRODUCTION TO M.W.R. 1968 :-

Page vii Table III Air temperature. (Psychrometer at Kew)

Amend last sentence of second paragraph to read "... main lawn at 1.25 m above it."

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# Monthly Weather Report

## OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntary observers



Volume 86 Number 7

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### July 1969 — Sunny, dry spells but some notable falls of rain

Although high pressure predominated in many areas for most of the month troughs of low pressure often affected western and northern districts. However, cyclonic interludes with strong winds occurred in the south around the 6th and 28th.

**Weather** — The outstanding features of the month were the long dry, warm spell in southern districts when some places had no measurable rainfall from the 9th to 27th and the exceptional rainfall in south-west England which terminated it on the 28th. The 24-hour period ending 0900 GMT on the 29th was the wettest 'day' in the Plymouth area since before 1876. Fortunately, flooding was only temporary although much inconvenience was caused. There were also some brief dry spells in the north but the weather there was generally changeable.

**Wind** — Gales were reported locally on 5 days in England, 4 days in Scotland and 1 day in Wales. Gales occurred in exposed places in the north on the 4th and 5th and a gust of 50 kt was recorded at Lossiemouth (Moray) on the 4th. Winds reached gale-force on the 6th and 7th at places as far apart as the Channel Islands and East Anglia and reached severe gale in places along the south coast; a gust of 57 kt occurred at Jersey Airport on the 6th. A gust of 60 kt was reported at Eskdalemuir (Dumfriesshire) on the 19th. Gusts approaching 50 kt occurred in South Wales and the West Country on the 28th and 29th causing slight damage to property.

**Temperature** — Monthly mean temperature was slightly below average in north and west Scotland and in a few places in south-west England. Elsewhere it was rather above average with a few places more than 1 degC warmer than the normal.

It was generally warm in southern districts for much of the month and a number of very warm or hot days occurred. On the 16th temperatures exceeded 30°C in a number of places in the Midlands, East Anglia and southern England. Further north, temperatures rose well above average around mid-month and again around the 22nd. Among the maxima recorded during the month were: 32.5°C at Wittering (Northamptonshire) on the 16th; 29.4°C at a number of places in Wales and 28.3°C at Grangemouth (Stirlingshire) on the 15th; 28.8°C at Strabane Convent (Co. Tyrone) on the 14th.

Cooler periods occurred in many areas at the beginning of the second week and during the last few days. Excluding upland stations (over 200 m high) minima for the month included: 1.7°C at Dundee (Kirkcudbrightshire) on the 30th; 2.4°C at Knockmany Forest (Co. Tyrone) on the 24th; 3.3°C at Ceinws (Montgomeryshire) on the 4th, at Warsop (Nottinghamshire) on the 18th and at Grendon Underwood (Buckinghamshire) on the 30th.

**Rainfall** — In spite of the long dry spell in England and Wales and the heavy rains on the 6th and 28th/29th ensured that some areas had above average rainfall. More than twice the normal fell in parts of Devon and Cornwall and on the Kent and Essex coasts. On the other hand many areas had less than half the average rainfall notably most of Wales and parts of northern England. Less than one quarter of the normal amount fell in Anglesey and on the Cumberland coast and it was the driest July at Valley (Anglesey) since records began in 1946. Less than half the average rainfall occurred over large areas of east and south Scotland, and at Dumfries it was the driest July since 1913. At Douglas (Isle of Man) it was the driest July since 1934. In Northern Ireland, except for some east coast areas, rainfall was well below average and was as low as 15 per cent of normal in parts of Co. Fermanagh.

On the 6th rain was heavy in southern England and flooding occurred in the south-east and also in East Anglia. A 'daily' fall of 82 mm

was recorded at Highsted pumping station, near Sittingbourne (Kent) and falls of over 60 mm occurred in a number of places. The Channel Islands, too, had falls of over 60 mm. Heavy rain fell in west Scotland and north-west England overnight on 18th/19th and 56 mm were recorded on the Isle of Rhum (Inverness-shire) during the 24-hour period ending 0900 GMT on the 19th.

The outstanding event of the month was the exceptional frontal rainfall in England and Wales on the 28th/29th. In the 24-hours ending 0900 GMT on the 29th a number of falls of rain classified as 'very rare' occurred. These included 145 mm at Ellbridge, near Plymouth and 144 mm at North Hessary Tor, on Dartmoor. Numerous 'daily' falls in excess of 100 mm were recorded in Somerset, Devon and Cornwall and falls of more than 50 mm occurred widely in South Wales and the south and west Midlands.

Thunderstorms occurred on 14 days in England, 12 days in Scotland but on a few days only elsewhere. They occurred most frequently in south-east England where they were reported locally on 6 days in Kent — this is about twice the July average in this area. Storms were widespread in southern and eastern England on the 8th and 9th and in Scotland on the 16th when lightning damaged property in Inverness. On the same day thunder occurred in the south Midlands and hailstones fell in Northamptonshire which, according to the Press, were 'nearly two inches (5 cm) across'. Many places in south-east England and East Anglia had thunderstorms on the 28th/29th and in Kent these storms produced 'daily' rainfall amounts of over 60 mm.

**Sunshine** — The month was generally sunnier than average except in a few coastal areas. A number of places had their sunniest July for 10 years or more. Sunshine was particularly abundant in the south from the 11th to 18th and, on the 12th, Ross-on-Wye (Herefordshire) recorded 15.7 hours sunshine which is the highest for a July day since records began in 1915.

**Fog** — Hill and coastal fog occurred frequently in western districts from the 11th to 22nd often encroaching well inland during the night. Shipping was seriously hampered by thick fog in the Channel on the 13th.

**Miscellaneous Phenomena** — A well-defined funnel cloud was observed at Lydd (Kent) on the 6th. The aurora was seen on two nights in Scotland and noctilucent clouds were observed on the 17th at Stornoway (Hebrides) and Abbotsinch (Glasgow).

TABLE I—DISTRICT VALUES, July 1969

DISTRICTS	AIR TEMPERATURE °C					EARTH TEMP. °C		RAIN DAYS	RAIN-FALL	SUNSHINE
	*Highest Max.	*Lowest Min.	Max.	Min.	Mean	Mean 30 cm.	Mean 122 cm			
						Difference from Average				
0 SCOTLAND, N.	23.9	3.8	+0.6	-0.2	+0.2	-0.3	-0.5	-1	89	98
1 SCOTLAND, E.	26.7	6.7	+1.4	+0.6	+1.0	+0.4	+0.1	-5	43	121
2 ENGLAND, N.E.	31.7	3.9	+0.8	+0.1	+0.5	+0.5	+0.3	-4	98	126
3 ENGLAND, E.	31.7	6.7	+0.9	+0.6	+0.7	+0.7	+0.2	-4	118	109
4 MIDLANDS	31.7	6.3	+1.2	+0.4	+0.8	+1.0	+0.5	-5	99	129
5 ENGLAND, S.E.	30.4	5.5	+1.4	+0.5	+1.0	+0.5	-0.1	-6	111	112
6 SCOTLAND, W.	26.5	2.7	-0.3	0.0	-0.1	-0.1	-0.2	-2	63	105
7 ENGLAND, N.W and N.Wales	28.0	5.0	+(0.6)	+0.2	+0.4	-0.2	-0.1	-5	44	113
8 ENGLAND, S.W. and S.Wales	28.9	5.0	+0.6	+0.2	+0.5	-0.3	-0.1	-8	136	111
N.IRELAND	26.1	3.9	+0.9	+0.2	+0.5	-	-	-6	54	121
SCOTLAND	26.7	2.7	+0.6	+0.1	+0.4	-	-	-3	69	108
ENG. and WALES	31.7	3.9	+0.9	+0.3	+0.7	-	-	-5	91	117

\*Highest Max. and Lowest Min. of the District Value Stations.

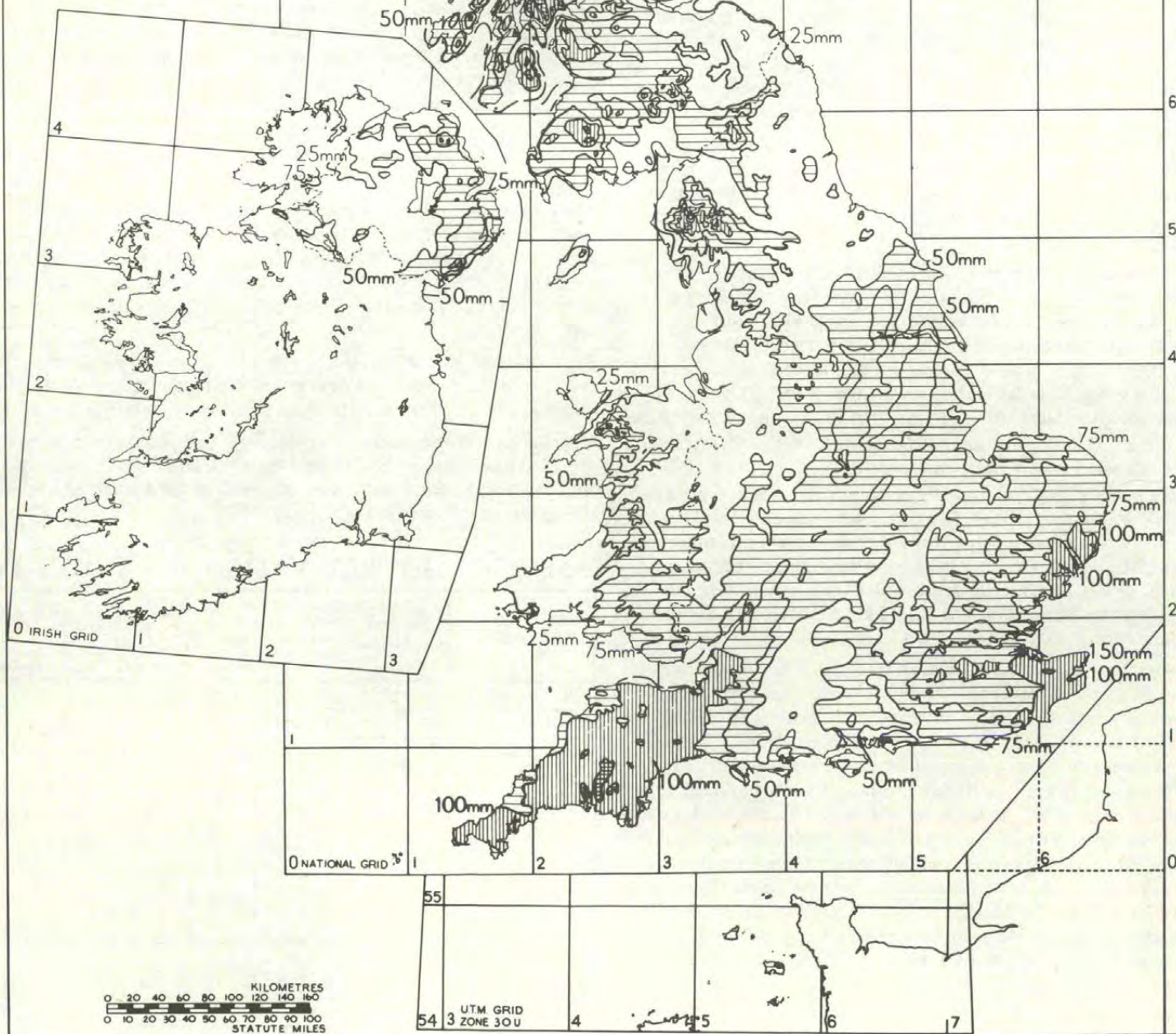
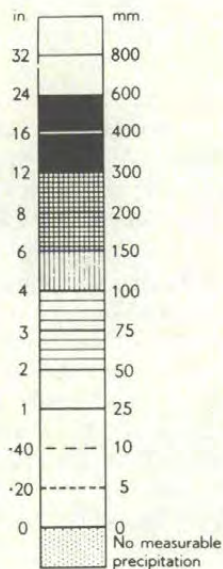
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# RAINFALL

JULY 1969

The equivalent values in inches  
are given in round numbers.  
The exact relation is 10 in. = 254 mm.





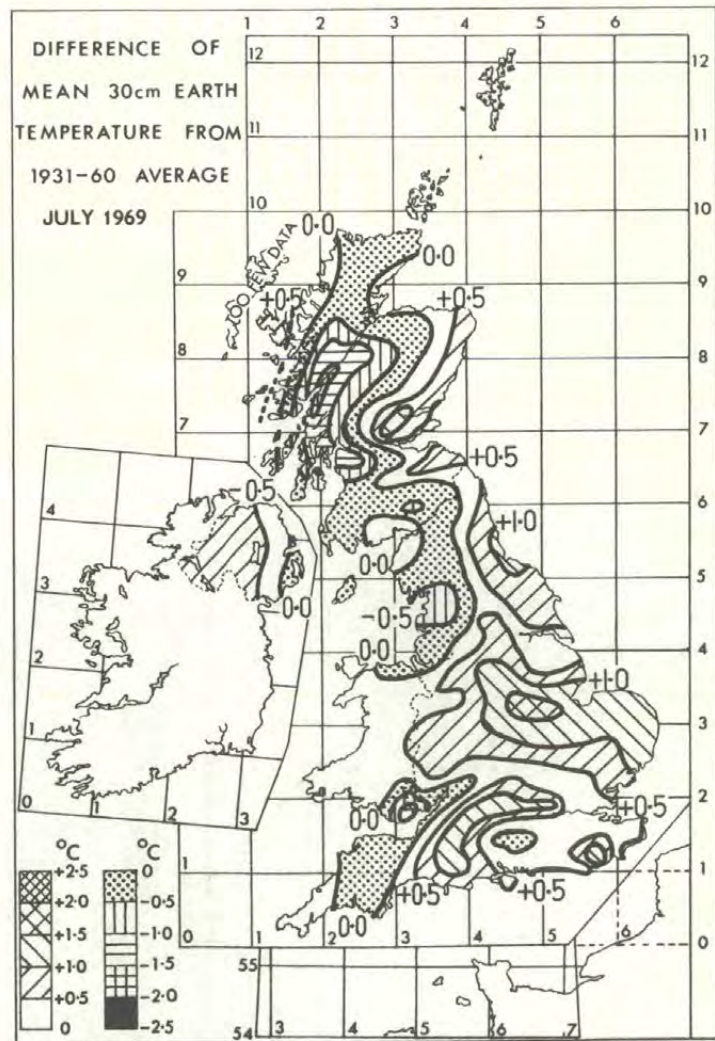
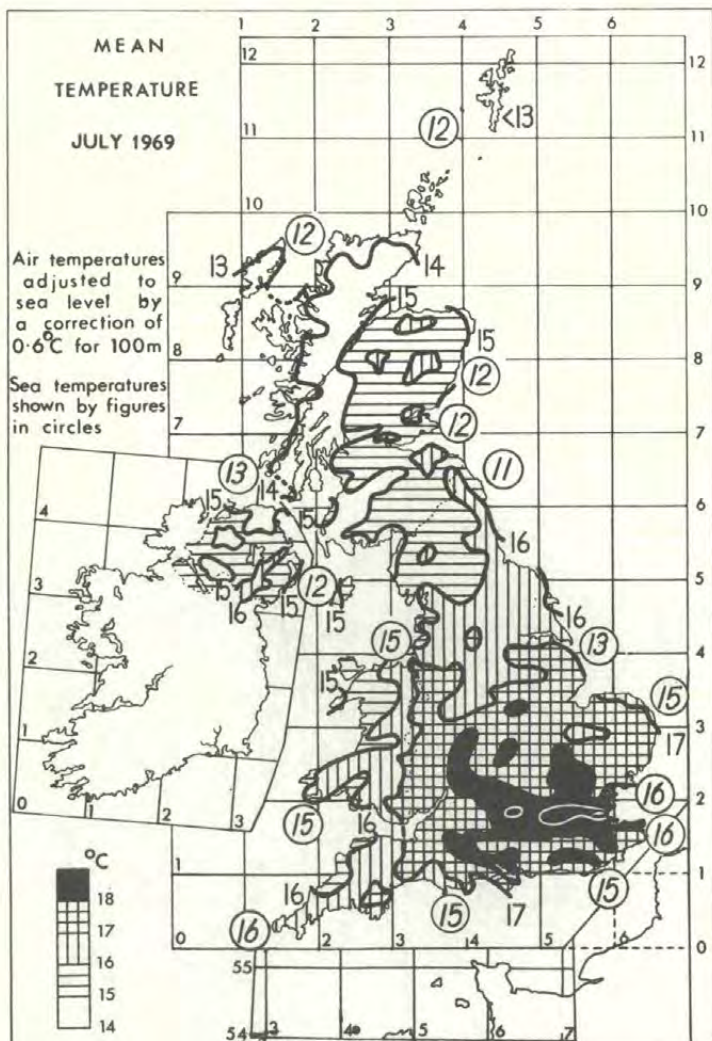
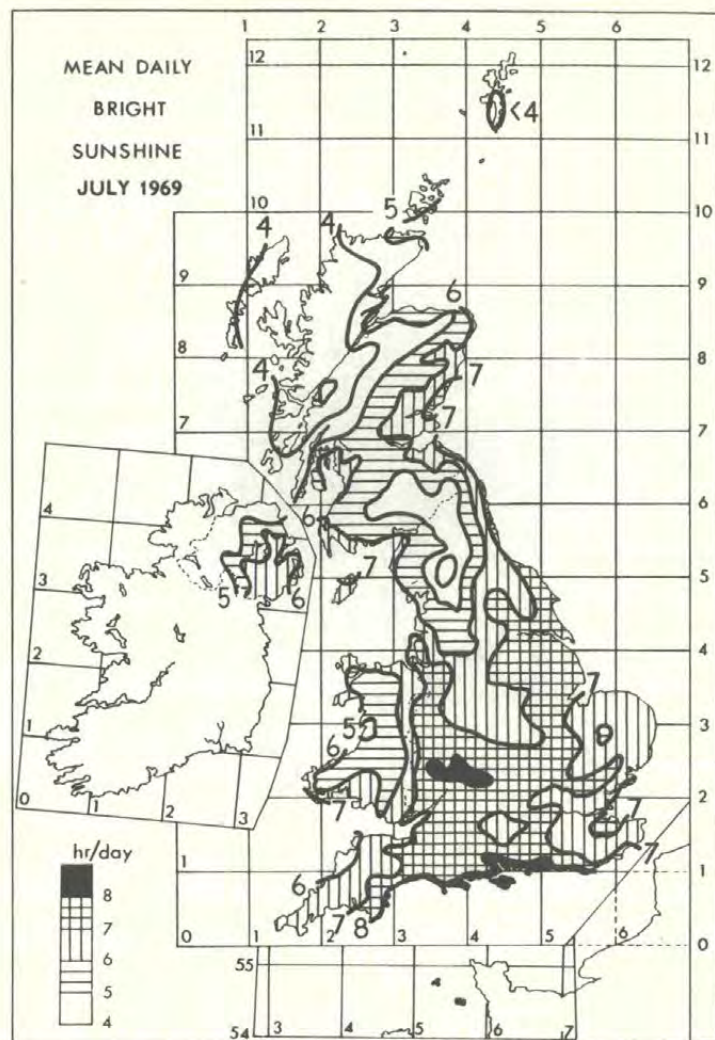
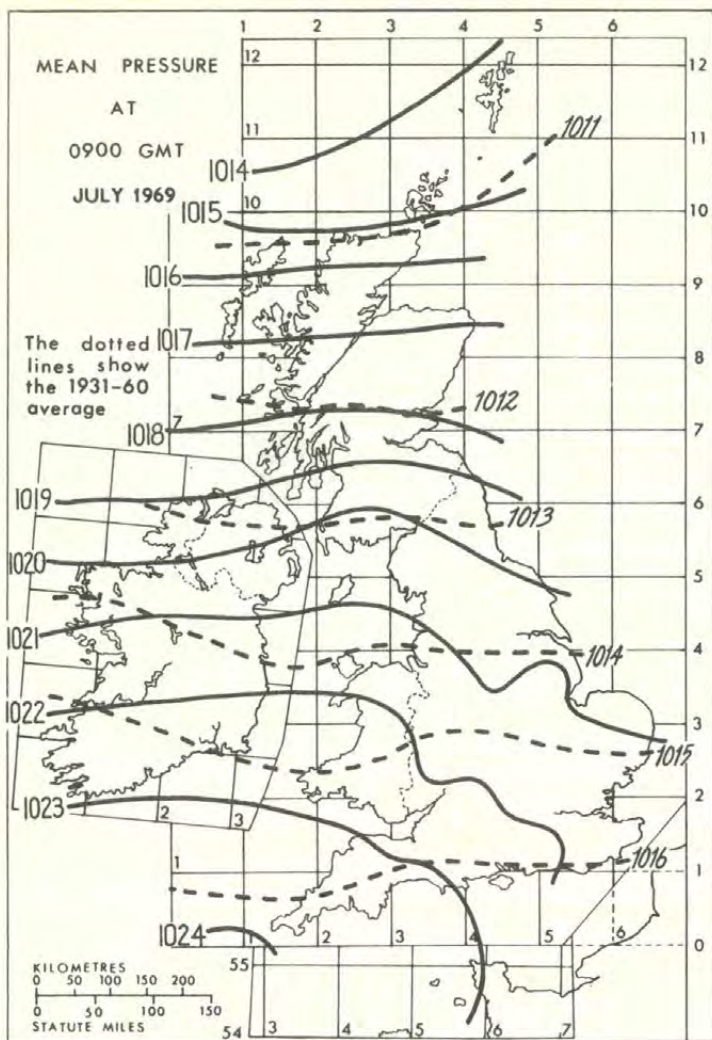




TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND—

JULY,

1969

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES					
			Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots	11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND				HIGHEST GUST					
						Dates of Occurrence	Duration (hr)						No. of days	Duration in Hours	Veer from N		Speed in knots	Hour ended at day hour	Veer from N	Speed in knots	Day and Time	
0 SCOTLAND N.																						
Zetland	Lerwick	93	10	10	-	0	9	66	362	280	36	0	12.5	220	33	4	09	220	47	4	0815	
Orkney	Kirkwall	41	15	10	-	0	13	71	422	197	54	0	13.0	250	31	4	12	250	44	4	1230	
Caithness	Dounreay	34	12	9	-	0	2	20	303	294	127	0	10.5	270	28	4	15	280	68	4	1545	
	Wick	45	10	10	-	0	6	21	308	297	118	0	9.8	250	29	4	14	250	45	4	1405	
Sutherland	Shin	24	10	10	-	0	5	20	240	298	166	20	8.7	260	27	4	08	260	48	4	1705	
Ross &	Stornoway (CGd)	37	12	11	4	1	7	39	305	293	106	0	10.5	200	34	4	04	200	45	4	0020	
Cromarty	Duirinish	38	20	17	-	0	7	40	380	254	68	2	11.7	210	28	4	01	230	43	27	1520	
Inverness	Benbecula	16	10	10	-	0	9	54	542	138	10	0	14.3	170	27	18	15	170	43	25	2045	
	Corpach	23	15	12	-	0	10	36	369	212	67	60	11.8	220	27	4	08	200	48	18	2945	
	Fort Augustus (N.S.H.E.B.)	58	16	16	-	0	3	8	287	306	143	0	8.7	220	24	4	16	230	41	4	1350	
	Dalcross	21	10	10	-	0	3	11	329	307	97	0	9.9	220	24	4	12	220	39	4	1215	
	Cairngorm	1074	9	9	3-5, 18-	45	24	217	377	99	6	0	19.0	270	44	4	22	270	68	4	2125	
1 SCOTLAND E.																						
Moray	Kinloss	17	13	13	-	0	5	24	354	307	59	0	11.0	230	27	4	12	230	44	19	0300	
	Lossiemouth	31	24	18	-	0	6	23	277	358	86	0	9.8	260	32	4	18	280	50	4	1745	
Aberdeen	Dyce	71	9	9	-	0	1	4	261	339	140	0	8.6	250	24	4	16	250	40	4	1545	
Angus	Bell Rock	39	40	38	4	2	18	117	403	166	56	0	14.4	260	34	4	24	260	46	4	2015	
Perth	Rannock	307	17	17	-	0	1	4	200	399	141	0	7.5	280	23	4	20	280	43	4	1255	
	Tummel Bridge	161	16	16	-	0	6	32	363	288	61	0	11.2	240	30	4	14	230	46	4	1330	
Fife	Leuchars	24	12	12	-	0	3	22	316	322	84	0	10.0	250	27	4	21	250	43	4	2020	
Midlothian	Turnhouse	42	12	10	-	0	3	22	316	322	84	0	10.0	250	27	4	21	250	43	4	2020	
6a SCOTLAND, W.																						
Argyll	Tiree	27	18	14	-	0	11	80	468	141	55	0	14.0	160	28	18	14	270	47	5	0015	
	Machrihanish	22	12	12	-	0	1	1	365	304	74	0	10.2	150	22	25	15	190	35	18	2040	
Dunbarton	Cumbernauld	166	10	10	-	0	4	22	363	278	81	0	11.0	250	29	4	18	260	44	4	1650	
Renfrew	Paisley	57	25	9	-	0	0	0	273	324	147	0	8.3	280	21	5	13	270	43	5	0300	
	Abbotsinch	16	10	10	-	0	2	4	301	333	106	0	9.3	270	23	4	16	250	35	4	1800	
Larnark	Lowther Hill	736	13	10	**	0	0	0	9	166	569	0	2.0	260	14	4	22	250	18	4	2105	
Ayr	Hunterston	12	9	9	-	0	0	0	240	414	90	0	8.7	320	20	8	14	270	34	5	0120	
	Prestwick	21	10	10	-	0	0	0	240	414	90	0	8.7	320	20	8	14	270	34	5	0120	
Dumfries	Eskdalemuir	259	10	10	19	3	6	37	289	297	118	0	10.1	230	38	19	05	240	60	19	0715	
Wigtown	West Freugh	25	10	10	-	0	0	0	293	372	79	0	9.2	200	21	18	22	200	34	18	2130	
6b ISLE OF MAN																						
	Ronaldsway	25	10	10	-	0	4	18	211	425	90	0	9.0	200	27	18	21	200	38	18	1940	
	Point of Ayre	20	10	10	-	0	6	35	420	242	47	0	12.1	190	27	18	20	190	41	18	2140	
2 ENGLAND, N.E.																						
Durham	Durham	119	16	10	-	0	0	0	204	366	174	0	7.7	280	21	19	11	280	32	19	1040	
	South Shields	22	17	13	-	0	0	0	140	416	188	0	6.8	260	20	19	13	260	34	19	1255	
Yorks N.R.	Leeming	42	10	10	-	0	2	10	323	319	92	0	9.8	250	26	19	12	250	40	19	1125	
	Middlesbrough	23	19	19	-	0	0	0	164	439	141	0	7.3	260	18	19	15	270	32	19	1500	
Yorks E.R.	Leconfield	18	10	10	-	0	0	0	132	500	112	0	7.3	260	20	19	16	260	30	19	1540	
Lincoln	Cranwell	76	12	12	-	0	0	0	187	455	102	0	7.8	240	18	19	16	240	27	19	1540	
	Binbrook	118	10	10	-	0	0	0	147	491	106	0	7.6	240	18	19	16	250	28	19	1630	
	Manby	26	10	10	-	0	0	0	147	491	106	0	7.6	240	18	19	16	250	28	19	1630	
3 ENGLAND, E.																						
Norfolk	Marham	33	10	10	-	0	0	0	108	485	151	0	6.9	310	21	7	12	300	31	7	1020	
	Watton	71	12	10	-	0	2	2	235	465	42	0	9.1	230	22	19	11	220	35	19	0945	
	Coltishall	29	10	10	-	0	0	0	92	460	192	0	5.9	330	19	7	13	330	29	7	1225	
	Gorleston	16	13	13	-	0	0	0	23	308	413	0	3.6	300	15	7	11	300	29	7	1030	
Suffolk	Mildenhall	30	25	18	-	0	0	0	148	505	91	0	7.7	300	21	7	15	300	29	7	1415	
Bedford	Bedford	98	13	9	-	0	0	0	191	479	74	0	8.0	240	21	19	16	330	30	19	1225	
	Cardington	69	41	41	-	0	0	0	26	398	320	0	4.5	310	14	7	13	310	25	7	1155	
Hertford	Garston	94	15	10	-	0	0	0	8	404	332	0	4.0	320	12	7	11	320	30	7	1030	
	Rothamsted	141	13	10	-	0	0	0	96	441	207	0	5.8	300	20	7	12	300	32	7	1555	
Essex	Stansted	107	9	9	-	0	0	0	96	441	207	0	5.8	300	20	7	12	300	32	7	1555	
	Shoeburyness	36	32	28	-	0	1	6	317	375	46	0	9.9	330	27	7	05	330	42	7	0510	
4 MIDLAND COUNTIES																						
Yorks W.R.	Sheffield	162	25	11	-	0	0	0	129	336	237	42	5.9	270	20	11	05	310	45	11	0405	
	Church Fenton	18	10	10	-	0	0	0	193	426	113	12	7.9	250	21	19	15	250	36	19	1450	
Notts.	Watnall	130	13	10	-	0	0	0	130	514	100	0	7.4	250	18	19	17	250	31	19	1645	
	Finningley	19	10	10	-	0	0	0	182	380	182	0	7.4	230	20	19	03	320	30	7	1245	
Rutland	Cottesmore	122	12	10	-	0	0	0	192	469	83	0	8.4	280	20	7						



TABLE II (continued)—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— JULY, 1969

DISTRICT COUNTY AND PLACE	HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES					
	Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST					
				Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours				Veer from N	Speed in knots	Hour ended at day hour		Veer from N	Speed in knots	Day and Time			
5. ENGLAND, S.E. — <i>contd.</i>																				
Wiltshire	Larkhill ... ..	145	13	10	-	0	0	0	131	426	187	0	6.8	340	19	29	09	340	32	29 0705
	Boscombe Down ... ..	130	16	16	-	0	1	2	186	417	139	0	7.7	350	23	29	08	350	35	29 0720
	Porton ... ..	120	10	10	-	0	0	0	197	417	130	0	7.8	290	20	7	14	310	32	7 1255
7a ENGLAND, N.W.																				
Cumberland	Sellafield ... ..	25	12	11	-	0	1	2	152	481	109	0	7.6	210	23	19	01	210	34	19 0055
	Carlisle ... ..	42	13	9	-	0	2	6	253	337	148	0	8.5	250	24	19	10	240	39	19 0230
	Spadeadam ... ..	292	16	15	-	0	1	8	220	402	114	0	8.6	230	27	19	04	240	45	19 0615
Westmorland	Great Dun Fell ... ..	857	10	10	4, 5, 18, 19	30	19	219	366	122	7	0	18.1	230	45	19	08	230	56	19 0225
Lancashire	Squires Gate ... ..	26	16	11	-	0	4	14	453	248	29	0	11.8	230	27	19	05	230	38	19 0600
	Aigburth ... ..	38	23	11	-	0	0	0	225	380	139	0	8.1	230	18	19	14	290	32	8 1310
	Southport ... ..	19	14	11	-	0	4	10	286	227	219	2	8.6	330	23	8	22	330	34	8 2145
	Fleetwood ... ..	34	15	9	-	0	3	10	180	374	180	0	7.5	310	23	8	21	230	35	19 0325
	Speke ... ..	30	10	10	-	0	0	0	254	402	88	0	8.9	300	19	8	15	250	30	19 1205
	Manchester/ W. Centre ... ..	82	45	17	-	0	0	0	194	478	72	0	8.5	230	21	19	16	240	34	19 1520
Cheshire	Bidston ... ..	80	20	12	-	0	3	9	236	406	61	32	-	280	23	11	07	280	39	11 0655
	Ringway ... ..	80	10	10	-	0	0	0	203	438	103	0	8.0	240	19	19	13	240	31	19 1245
7b NORTH WALES																				
Anglesey	Valley ... ..	26	16	12	18, 19	3	7	72	406	213	50	0	12.8	200	35	18	24	210	47	19 0110
8a SOUTH WALES																				
Cardigan	Aberporth ... ..	135	13	11	-	0	2	7	302	344	91	0	9.3	350	23	29	04	330	32	7 0140
Pembroke	Milford Haven C.B. ... ..	47	10	10	-	0	0	0	175	452	117	0	7.9	230	19	19	14	330	29	29 0910
	Brawdy ... ..	130	20	14	-	0	2	10	294	369	71	0	9.8	010	26	29	02	010	36	29 0115
Glamorgan	Port Talbot ... ..	28	12	11	-	0	1	3	164	365	212	0	6.9	23	29	11	360	42	29 1045	
	Rhose ... ..	78	11	10	-	0	0	0	258	398	88	0	8.6	300	20	7	16	290	31	7 1535
8b ENGLAND, S.W.																				
Dorset	Portland Bill C.G. ... ..	61	13		-	0	2	12	277	394	61	0	8.5	010	31	29	06	350	51	29 0420
Devon	Mount Batten ... ..	64	13	13	-	0	1	8	168	455	113	0	7.8	340	26	29	05	340	47	29 0440
	Chivenor ... ..	19	13	10	-	0	1	1	194	418	131	0	7.6	340	22	29	05	340	38	29 0445
Cornwall	Scilly ... ..	70	20	17	-	0	2	6	149	361	228	0	6.7	360	27	28	21	010	49	28 1855
	Lizard ... ..	96	23	18	-	0	2	9	248	397	90	0	8.9	340	24	29	01	340	41	29 0030
	St. Mawgan ... ..	119	12	12	-	0	2	9	248	397	90	0	8.9	340	24	29	01	340	41	29 0030
9 NORTHERN IRELAND																				
Londonderry	Ballykelly ... ..	13	12	10	-	0	1	1	367	309	67	0	10.5	260	22	11	13	190	35	18 1725
Antrim	Aldergrove ... ..	80	10	10	-	0	0	0	327	368	49	0	9.8	200	20	18	17	200	30	18 1635
	Ballypatrick Forest ... ..	166	13	13	-	0	6	25	485	175	59	0	12.2	210	28	18	15	210	44	18 1425
	Belfast Harbour ... ..	21	18	18	-	0	2	11	454	234	45	0	11.2	160	24	25	15	160	34	25 1505
Down	Kilkeel ... ..	35	18	18	-	0	3	5	333	284	122	0	9.3	320	24	4	05	250	36	19 0535
	Orlock Head ... ..	51	16	12	-	0	4	6	427	276	35	0	11.2	200	22	18	17	270	40	4 1915
Armagh	Glenanne ... ..	144	10	10	-	0	0	0	156	462	126	0	7.0	190	15	18	17	230	27	4 1455
	Portadown ... ..	26	10	10	-	0	0	0	156	462	126	0	7.0	190	15	18	17	230	27	4 1455
Tyrone	Carrigans ... ..	129	10	10	-	0	1	1	240	338	165	0	7.8	180	23	25	15	180	38	25 1425
Fermanagh	Castle Archdale Forest ... ..	80	13	13	-	0	1	2	311	346	85	0	9.2	200	22	18	15	210	37	18 1515
CHANNEL ISLES																				
	Jersey Airport ... ..	109	26	15	6	3	3	34	305	359	43	0	10.5	340	39	6	23	350	57	6 2205

† Anemograph dismantled for re-erection. • Defective record. ‡ Record ceased. § Incomplete record. ¶ Anemograph out of order. \*\* Record ceased temporarily.

TABLE III —SUMMARY OF DAILY OBSERVATIONS JULY, 1969

DISTRICT, COUNTY AND PLACE		Max. Min.	Terminal hr. GMT of Observation	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE					
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1931-60 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at thr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure	
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date	Amount (mm)	Date																				
												30 cm.	122 cm.																				0.2 mm or more
0 SCOTLAND, N.																																	
Zetland																																	
	Hamnavoe ...	9 9	21	14.2	10.2	12.2	-	17.2	23.31	8.3	5.9	-	-	99	-	14	1	26	18	0	0	0	0	0	1	0	-	-	1	4.57	-	-	
	Lerwick ...	21-9	82	13.9	9.5	11.7	-0.3	16.6	23	6.6	8	-	-	107	156	15	28	23	17	0	0	0	0	0	4	0	0	0	1	3.80	94	-	
	Baltasound ...	9 9	24	14.9	9.3	12.1	-	17.8	30	5.6	6.25	11.2	-	100	149	17	28	22	17	0	0	0	0	0	0	0	-	-	0	4.22	-	-	
Orkney																																	
	Sule Skerry ...	21-9	13	14.5	9.8	12.1	-	18.6	27	7.9	7	-	-	72	-	16	18	19	14	0	0	0	0	0	2	0	0	0	0	-	-	-	
	Stenness ...	9 9	23	16.1	9.9	13.0	-	21.7	14	6.7	27	12.5	10.2	63	91	10	9	24	16	0	0	0	0	0	0	0	0	1	5.44	-	-		
	Kirkwall ...	21-9	26	15.9	10.0	12.9	+0.1	20.4	15	7.6	7	-	-	60	89	10	9	21	15	0	0	0	0	1	1	0	0	0	4.89	107	-	-	
Caithness																																	
	Dounreay ...	9 9	21	17.3	9.8	13.6	-	24.4	14	5.6	29	-	-	53	-	10	12	20	12	0	0	0	0	0	1	0	0	-	0	5.54	-	-	
	Wick ...	21-9	36	17.1	10.0	13.5	+0.6	23.2	22	5.8	6	-	-	41	82	13	6	19	10	0	0	0	0	1	0	0	0	0	4.74	100	-	-	
	John O'Groats ...	9 9	30	16.3	9.4	12.9	-	21.1	14	6.1	25	-	-	57	-	8	16	19	14	0	-	0	0	1	0	0	0	-	5.44	-	-	-	
Sutherland																																	
	Cape Wrath ...	21-9	112	13.8	10.1	11.9	-0.3	20.8	15	7.0	8	-	-	103	114	21	12	23	19	0	0	0	0	0	5	0	0	0	0	4.02	-	-	
	Achany ...	9 9	85	18.8	8.6	13.7	-	25.0	14	2.2	27	14.5	11.4	58	70	12	12	19	12	0	0	0	0	0	0	5	-	0	5.16	-	-		
	Strathly ...	9 9	37	17.9	9.8	13.9	+0.7	24.4	14	5.6	27.28	-	-	49	61	8	12	22	16	0	0	0	0	0	0	0	-	0	4.63	115	-	-	
	Achentoul ...	9 9	137	18.1	8.9	13.5	-	25.6	14	3.3	28	-	-	38	-	12	26	17	11	0	0	0	0	0	0	0	1	-	1	4.28	-	-	
Ross & Cromarty																																	
	Stornaway ...	21-9	3	16.0	10.1	13.1	-0.2	18.8	31	3.8	29	-	-	65	82	9	18	21	17	0	0	0	0	0	0	0	0	0	1	3.75	91	-	-
	Balmacra ...	9 9	4	16.8	11.2	14.0	-	21.1	15.31	8.9	6.8,28	-	-	95	-	19	18	25	19	0	0	0	0	1	0	0	-	0	-	-	-	-	
	Poolewe ...	9 9	6	16.7	11.5	14.1	-	21.1	31	8.9	7.8,29	-	-	182	167	36	12	24	21	0	-	1	0	1	0	0	0	-	1	3.88	-	S	
	Rudh Re ...	21-9	16	14.7	10.7	12.7	-	18.6	31	8.0	7	-	-	-	-	-	-	-	-	0	0	0	0	1	0	0	0	0	1	-	-	-	
	Inverpolly ...	9 9	14	10.0	10.7	13.9	-	22.8	15	6.7	29	13.3	-	121	129	31	12	24	20	0	0	0	0	0	0	0	0	-	0	-	-	-	
	Achnashellach ...	9 9	67	16.4	10.0	13.2	-0.5	23.3	31	5.0	28	-	-	242	165	35	21	27	22	0	0	0	0	0	0	0	0	-	0	-	-	-	
	Kinlochewe ...	9 9	23	18.1	10.2	14.1	-0.2	24.4	31	6.7	25	13.5	-	119	85	24	4	22	15	0	0	0	0	1	0	0	0	0	3.23	-	S		
	Knockanrock ...	9 9	244	15.4	9.1	12.3	-	22.8	31	6.7	6.8,28	-	-	188	-	(44)	12	27	21	0	0	0	0	0	0	0	0	-	3	-	-	-	
	Strathconan ...	9 9	107	18.4	9.5	13.9	-	25.6	15	2.8	28	-	-	40	-	8	16	17	12	0	0	0	0	0	0	0	2	-	0	-	-	-	
	Fortrose ...	9 9	5	17.9	12.0	14.9	+0.6	23.9	31	8.3	6.8	-	-	38	54	10	16	13	9	0	0	1	0	1	0	0	0	-	0	4.86	107	-	
	Tarbatness ...	21-9	18	18.3	11.3	14.8	+1.1	24.5	14	8.0	18.30	-	-	37	62	13	6	16	8	0	0	0	0	1	0	0	0	-	0	-	-	-	



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS

JULY,

1969

DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE			
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				10 cm.	12 cm.	Total fall (mm.)	Percentage of 1911-60 average	Amount (mm.)	Date	Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost† Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure		
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date							0.1 mm or more	1.0 mm or more														
0 SCOTLAND, N. -contd.																																
Inverness																																
Benbecula ...	21-9	6	15.4	11.1	13.3	-0.3	18.7	31	7.5	29	-	-	75	82	10	18	21	16	0	0	0	0	1	2	0	0	0	0	4.72	-	-	-
Isle of Rhum €	99	5	16.7	10.6	13.7	-	21.7	31	6.1	29	16.1	12.9	217	117	56	18	23	20	0	0	0	0	1	0	0	0	-	1	-	-	-	-
Prabost ...	99	67	15.8	10.1	12.9	-	20.6	15	6.1	18	-	-	161	134	22	18	26	22	0	0	0	0	1	1	0	0	-	3	3.50	-	-	-
Duntulm ...	99	90	15.1	10.1	12.6	-0.3	20.0	31	6.7	17	-	-	127	131	21	12	24	21	0	0	0	0	1	0	0	0	-	2	3.46	86	-	-
Onich %	99	15	16.8	10.7	13.7	-0.1	23.3	15	6.7	25	-	-	186	123	33	20	27	21	-	0	-	-	2	0	0	0	-	-	2.64	74	-	-
Fort William €	99	8	18.1	11.2	14.7	-	26.1	15	6.1	28	14.6	13.6	140	118	21	20	22	20	0	0	0	0	1	0	0	0	-	-	3.18	-	-	-
Corpach ...	99	8	17.4	11.1	14.3	-	25.0	15	7.8	6,25,28	-	-	139	-	20	20	24	20	0	0	0	0	1	0	0	1	0	-	-	-	-	-
Fort Augustus ...	99	21	18.6	11.3	14.9	+0.6	27.2	15	6.7	28	-	-	63	-	10	21	19	12	0	0	0	0	1	0	0	-	-	0	3.92	-	-	S
Inverness ...	99	4	19.3	10.9	15.1	-	25.6	31	8.3	6,8,28	-	-	30	44	12	16	10	9	0	0	0	0	1	0	0	0	-	0	5.21	-	-	-
Coire Cas Shieling	99	762	14.6	7.8	11.2	-	22.2	15	2.8	8	-	-	42	-	10	7	17	8	-	-	-	-	3	0	0	-	-	-	-	-	-	-
Cairngorm ...	99	1090	11.8	5.3	8.5	-	19.4	15	0.6	8	-	-	71	-	15	7	22	13	0	-	0	1	-	-	0	-	-	10	-	-	-	-
Achnagoichan ...	99	305	18.5	9.6	14.1	-	26.1	15	5.0	27	11.4	-	20	23	7	26	10	6	-	-	-	-	-	-	0	2	-	-	-	-	-	-
Glenmore Lodge	99	341																														
1 SCOTLAND, E.																																
Nairn																																
Nairn ...	99	6	20.0	11.1	15.5	+1.1	26.7	31	6.7	30	-	-	18	25	5	26	10	6	0	0	0	0	1	0	0	0	-	1	5.44	121	-	-
Moray																																
Grantown-on-Spey	99	229	19.1	8.6	13.9	-	27.2	15	2.2	27	-	-	36	-	9	7	9	8	0	0	0	0	1	0	0	3	-	0	-	-	-	-
Forres %€	99	47	19.8	11.2	15.5	+1.0	26.1	14,31	7.2	7.8	15.8	13.8	29	40	9	26	7	7	0	0	0	0	1	0	0	0	-	0	5.19	108	-	-
Kinloss ...	21-9	5	19.7	11.3	15.5	+1.3	26.3	14	7.3	30	13.8	-	42	60	19	26	12	8	0	0	0	0	1	0	0	0	0	-	5.13	-	-	-
Elgin ...	99	15	20.4	11.4	15.9	-	26.7	14	6.7	18	-	-	32	44	10	26	9	7	0	0	0	0	0	0	0	0	-	0	5.69	-	-	-
Lossiemouth ...	99	6	19.9	10.8	15.3	+1.0	27.2	14	6.7	7,30	-	-	29	42	9	26	10	6	0	0	0	0	1	0	0	0	0	-	-	-	-	-
Gordon Castle ...	99	32	20.5	11.1	15.8	+1.2	27.2	14	7.2	7	-	-	23	35	10	26	9	8	0	0	1	0	1	-	0	-	-	1	5.47	118	-	-
Banff																																
Glenlivet ...	21-9	215	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Banff ...	99	24	20.1	11.4	15.7	-	27.8	14	8.3	6,7,16	-	-	55	-	16	26	17	11	0	0	0	0	1	0	0	-	-	0	4.96	-	-	-
Aberdeen																																
Braemar ...	99	339	18.4	9.2	13.8	+0.7	24.4	15	(2.2)	7	-	-	22	29	(13)	26	8	7	-	0	-	-	-	0	0	0	-	-	5.99	-	-	-
Balmoral ...	99	283	18.8	9.5	14.1	+0.9	25.6	15	2.8	7	-	-	29	38	19	26	9	6	0	0	0	0	-	0	0	0	-	0	-	-	-	-
Dinnet ...	99	177	20.1	10.0	15.1	-	26.1	14,15	4.4	6	14.2	-	31	-	17	26	8	6	-	0	-	-	-	0	0	0	-	-	5.98	-	-	-
Gartley ...	99	160	19.4	10.1	14.7	-	26.1	14,15	4.4	30	-	-	58	-	27	26	16	11	-	-	-	-	-	0	0	0	-	-	-	-	-	-
Inverurie Swge. Wks.	99	54	20.0	10.7	15.3	-	27.2	14	4.4	30	-	-	37	-	(9)	26	13	9	0	0	0	0	1	0	0	0	-	0	6.26	-	-	-
Fyvie Castle ...	99	66	19.9	10.8	15.3	-	27.8	14	6.1	7,18,27	-	-	59	73	13	26	16	12	0	0	0	0	1	-	0	0	-	0	5.16	-	-	-
Craibstone %€	99	91	19.2	10.6	14.9	+1.2	26.7	14	6.7	6,8,18	15.0	12.4	35	41	9	26	14	9	0	0	0	0	1	0	0	0	-	2	6.08	118	-	-
Dyce ...	21-9	58	19.9	10.7	15.3	+1.3	27.4	14	5.2	30	-	-	34	39	9	28	12	10	0	0	0	0	1	0	0	1	0	0	5.54	-	-	-
Aberdeen ...	99	52	19.0	11.1	15.1	+1.0	25.6	14	6.1	6,30	-	-	42	50	11	6	12	8	0	0	0	0	1	0	0	0	-	-	6.25	126	-	-
Fraserburgh ...	21-9	18	17.6	11.5	14.5	-	25.1	14	7.7	6	-	-	39	-	8	26	18	9	0	0	0	0	0	1	0	0	0	-	5.98	-	-	-
Kincaidine																																
Fettercairn ...	99	171	18.6	9.8	14.2	+0.7	23.3	14,16	5.6	6,7,18	-	-	49	51	15	26	16	9	0	0	0	0	0	0	0	0	-	0	5.95	-	-	-
Strachan ...	99	120	19.3	9.6	14.5	-	25.6	14	1.1	30	13.5	-	34	-	(6)	20	14	11	0	0	0	0	3	0	0	0	-	0	6.23	-	-	-
Banchory ...	99	77	20.4	10.8	15.6	-	27.2	14	4.4	30	-	-	43	-	12	6	14	11	0	0	0	1	2	0	0	0	-	0	-	-	-	-
Angus																																
Mylnefield €	99	30	19.7	10.7	15.2	-	25.0	15	6.1	30	15.2	11.9	45	63	18	26	13	9	0	0	0	0	0	0	0	0	-	0	6.50	-	-	-
Dundee	99	45	20.7	11.4	16.1	+1.0	26.7	14	7.2	30	17.1	-	41	51	20	26	14	8	0	0	0	0	0	0	0	0	-	1	6.53	-	-	-
Glamis Castle ...	99	61	19.8																													



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS

JULY,

1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days													BRIGHT SUNSHINE				
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916-50 average	Most in a day Amount (mm.)	Date	Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure	
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date							0.2 mm or more	1.0 mm or more														
1 SCOTLAND, E. — contd.																																	
Berwick — contd.																																	
Marchmont ...	99	152	19.3	10.7	15.0	+0.5	26.7	15	6.1	6.8	-	-	33	44	10	28	13	9	0	0	0	0	0	0	0	0	0	0	0	5.76	115	S	
Whitcheater ...	99	255	18.5	9.9	14.2	-	24.4	14.15	5.6	6	-	-	32	38	12	28	11	9	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
St. Abb's Head ...	99	75	18.2	11.3	14.7	-	(25.8)	15	6.7	6	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
Peebles																																	
Stanhope Farm ...	99	226	17.8	9.8	13.8	-	25.0	15	2.8	25.30	-	-	78	86	34	22	20	13	0	0	1	0	1	0	0	0	0	0	0	-	-	-	
Blyth Bridge ...	99	253	17.6	9.8	13.7	-	25.0	15	3.9	25	-	-	58	71	16	22	18	10	0	0	0	0	1	0	0	1	0	0	0	4.95	-	-	
West Lynton ...	99	244	17.9	8.3	13.1	-	26.1	15	2.2	26	14.4	12.4	49	52	15	22	19	9	0	0	0	0	1	0	0	0	0	0	0	-	-	-	
Glentress ...	99	177	19.2	9.7	14.5	-	27.2	15	3.3	25	-	-	35	56	17	22	10	7	-	0	-	-	-	0	0	0	0	0	0	-	-	-	
Selkirk																																	
Bowhill ...	99	183	19.4	10.2	14.8	-	27.2	15	4.4	25.30	-	-	22	30	4	7	10	7	0	0	0	0	0	0	0	0	0	0	0	1	-	-	
Galashiels ...	99	198	18.7	10.2	14.5	-	26.7	15	5.6	25.30	-	-	21	-	5	26	13	7	0	0	0	0	0	0	0	0	0	0	0	1	5.93	-	
Roxburgh																																	
Wauchope ...	99	171	19.6	9.3	14.5	-	27.8	15	3.9	7.30	-	-	44	54	11	28	16	12	0	0	0	0	0	0	0	0	0	0	0	1	-	-	
Kelso ...	99	35	20.4	11.1	15.7	-	27.2	15	5.6	30	-	-	36	-	11	28	10	8	0	0	0	0	0	0	0	0	0	0	0	5.04	-	S	
Sourhope ...	99	219	18.9	10.1	14.5	+0.7	27.8	15	3.3	7	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	4.60	-	-	
6a SCOTLAND, W.																																	
Argyll																																	
Tiree ...	21-9	9	15.6	10.9	13.3	-0.4	18.0	31	7.0	29	-	-	72	83	13	18	19	15	0	0	0	0	2	1	0	0	0	0	0	4.36	84	-	
Rhuvaal ...	21-9	20	16.2	11.3	13.7	-	21.4	21	9.1	25	-	-	73	67	16	18	17	13	0	0	1	0	0	0	1	0	0	0	0	-	-	-	
Colonsay ...	99	27	16.4	10.7	13.5	-0.3	21.7	14.15	8.3	25	-	-	62	63	8	1	20	12	0	0	0	0	1	9	0	-	-	0	0	-	-	-	
Aros ...	99	37	16.8	10.1	13.5	-	23.3	15	5.0	25.27	-	-	126	-	30	21	23	19	0	0	0	0	1	1	0	0	0	0	0	-	-	S	
Craighouse ...	99	3	17.7	10.6	14.1	-	21.7	15	7.8	25	-	-	59	-	9	18	15	12	-	0	-	-	-	0	0	0	-	-	-	-	-	-	
Machrihanish ...	21-9	10	16.9	11.3	14.1	-	23.3	21	8.0	30	-	-	58	-	19	27	19	13	0	0	0	0	0	1	0	0	0	0	0	4.94	-	-	
Campbeltown ...	99	3	17.8	-	-	-	22.8	21	-	-	-	-	62	-	11	27	20	14	0	0	0	0	0	2	-	-	0	0	0	5.64	-	-	
Achaglachgach ...	99	12	17.7	-	-	-	23.9	15	-	-	-	-	100	89	18	27	22	17	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
Knapdale Forest ...	99	40	17.1	10.7	13.9	-	23.9	15	6.7	25	-	-	94	-	13	18	24	19	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
Glenbranter ...	99	24	17.5	10.7	14.1	-	25.0	15	5.0	25	-	-	129	-	17	18	20	19	-	0	-	-	-	0	0	0	0	0	0	-	-	-	
Glen Etive ...	99	24	17.7	10.8	14.3	-	25.6	15	5.0	25	-	-	254	-	37	21	24	20	0	0	0	0	1	-	0	0	0	0	0	-	-	-	
Benmore Y.B.G. *	99	12	18.3	11.1	14.7	-	25.6	15	6.1	25.30	-	-	117	75	19	18	21	18	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
Bute																																	
Kildonan ...	21-9	18	16.6	11.5	14.1	-	22.5	15	8.0	7	-	-	125	-	42	22	19	15	0	0	0	0	1	1	0	0	0	0	1	5.87	-	-	
Brodict Castle ...	99	15	18.7	10.9	14.8	-	22.2	24	7.8	24	17.2	-	95	-	21	26	20	17	0	0	0	0	0	1	0	0	0	0	0	-	-	-	
Rothesay ...	99	43	17.6	11.3	14.5	+0.1	23.9	15	8.3	7	14.1	12.1	97	89	17	10	19	14	0	0	0	0	0	0	0	0	0	0	0	6.31	126	-	
Dunbarton																																	
Finnart ...	99	15	17.9	11.8	14.9	-	25.0	15	8.3	25	-	-	84	-	(15)	18	18	13	-	0	-	-	-	-	0	-	-	-	-	-	-	-	
Helensburgh ...	99	89	18.2	10.7	14.5	-0.2	26.1	15	7.2	6.25.30	-	-	72	68	11	26	18	18	0	0	0	0	0	0	0	0	0	0	0	4.92	105	S	
Sloy ...	21-9	12	18.1	11.6	14.9	-	24.4	15	6.5	25	-	-	137	-	26	18	21	17	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-
Cumbernauld ...	99	94	19.2	10.2	14.7	-	26.7	15	5.0	7	-	-	73	-	21	22	17	14	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
Stirling																																	
Earl's Hill ...	21-9	335	16.6	9.5	13.1	-	24.2	15	5.1	8	-	-	62	-	16	22	16	10	0	0	0	0	4	0	0	0	0	0	9	5.53	-	-	
Stirling ...	99	46	19.8	11.8	15.8	+0.4	27.2	19	7.2	7	17.5	12.8	43	54	11	26	17	10	0	0	0	0	0	0	0	0	0	0	0	5.48	-	-	
Falkirk Swge. Wks. ...	99	3	19.5	11.1	15.3	-	27.2	15	6.1	7	-	-	58	-	(15)	26	16	14	0	0	0	0	1	0	0	0	0	0	0	5.32	-	-	
Grangemouth ...	99	4	19.8	12.1	15.9	-	28.3	15	7.2	7	-	-	56	-	14	22	16	12	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
Renfrew																																	
Greenock ...	99	61	18.0	11.9	14.9	-0.2	25.6	15	8.9	7	-	-	75	72	14	25	21	14	0	0	0	0	0	0	0	0							



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS

JULY.

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DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE		
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1931-60 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date															
			Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
6b ISLE OF MAN																															
Ronaldsway ...	21-9	17	17.8	11.6	14.7	-	24.8	15	6.6	25	-	-	14	23	8	26	6	3	0	0	0	0	0	0	0	0	0	0	6.49	-	-
Douglas ...	9 9	87	17.7	11.7	14.7	+0.2	24.4	15	7.8	3	-	-	18	23	9	26	6	4	0	0	0	0	0	0	0	0	0	1	6.60	109	-
Point of Ayre ...	21-9	9	19.6	11.9	15.7	-	25.6	21	7.1	25	-	-	18	32	11	26	5	4	0	0	0	0	0	0	0	0	0	0	7.12	-	-
2 ENGLAND, N.E.																															
Northumberland																															
Kielder Castle ...	9 9	201	18.6	9.1	13.8	-	27.2	15	2.2	3	14.7	-	74	69	24	18	17	13	0	0	1	0	0	0	0	0	0	0	-	-	-
Haydon Bridge ...	9 9	79	20.1	10.6	15.3	-	28.3	15	4.4	7	16.3	14.3	28	-	11	28	13	8	0	0	0	0	0	0	0	0	0	0	-	-	-
Corbridge ...	9 9	49	20.3	10.3	15.3	-	27.8	15	3.9	30	-	-	41	-	14	28	11	7	0	0	0	0	1	0	0	0	0	0	-	-	-
Berwick-on-Tweed†	9 9	23	18.8	11.6	15.2	+0.7	25.6	16	7.2	7	-	-	27	45	15	28	11	7	0	0	0	0	2	0	0	0	0	0	6.75	124	-
Acklington ...	21-9	42	19.6	10.7	15.1	+1.1	27.0	16	5.3	6	-	-	44	65	27	28	13	8	0	0	0	0	0	0	0	0	0	0	6.33	-	S
Tynemouth †	21-9	29	18.9	12.8	15.9	+0.8	28.1	16	7.9	7	-	-	38	51	17	28	11	8	0	0	1	0	0	0	0	0	0	0	7.12	130	-
Seahouses ...	21-9	11	19.2	11.5	15.3	-	26.9	16	7.1	6	-	-	45	-	31	28	11	6	0	0	0	0	1	0	0	0	0	0	7.44	-	-
Durham																															
Chopwellwood ...	9 9	136	19.9	10.9	15.4	+0.4	27.2	15, 16	6.1	6	-	-	48	60	17	28	12	9	0	0	0	0	0	0	0	0	0	0	-	-	-
Upshaw College ...	9 9	181																													
Houghall ...	9 9	37	20.7	10.8	15.7	+0.5	27.8	16	5.6	30	-	-	44	60	17	28	11	8	0	0	0	0	0	0	0	0	0	0	6.56	127	-
Durham †	9 9	102	20.4	11.4	15.9	+0.7	27.2	16	6.7	3	16.4	13.8	44	62	17	18	11	8	-	0	-	-	-	0	0	0	0	-	5.70	111	-
Hartlepool ...	9 9	9	20.6	12.7	16.7	-	28.9	16	8.9	3, 8, 27	-	-	35	55	17	28	8	5	0	0	0	0	0	0	0	0	0	0	6.89	-	-
Yorks., N. Riding																															
Leeming ...	21-9	32	21.1	12.0	16.5	-	28.2	14, 16	6.8	3	-	-	42	-	15	28	9	7	0	0	1	0	0	0	0	0	0	0	6.38	-	-
York (Heslington) ...	9 9	20	21.2	11.9	16.5	-	30.6	16	6.1	30	17.3	14.8	52	-	22	28	10	8	-	0	-	-	-	0	0	0	0	-	6.84	-	-
Ampleforth ...	9 9	95	20.4	10.9	15.7	+0.2	28.3	16	6.7	3	-	-	39	53	15	28	12	7	0	-	0	0	0	0	0	0	0	0	6.32	117	-
Redcar ...	9 9	8	20.9	12.6	16.5	-	30.0	16	8.3	3, 7, 31	-	-	49	79	21	28	11	7	-	0	-	-	-	0	0	0	0	-	6.80	-	-
Pickering ...	9 9	44	21.6	10.2	16.5	-	29.8	16	4.6	18	-	-	54	-	32	28	10	6	0	0	0	0	1	0	0	0	0	0	-	-	-
Whitby ...	9 9	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Scarborough ...	9 9	36	20.8	12.6	16.7	+0.7	29.4	16	8.3	10	17.0	13.9	46	74	26	28	9	5	0	0	0	0	0	0	0	0	0	0	7.95	137	-
Silpho Moor ...	9 9	203	20.1	10.9	15.5	-	28.9	16	6.7	6, 8	15.2	-	68	83	44	28	13	6	0	0	1	0	1	1	0	0	0	0	7.81	-	-
Whitby Coast Guard	21-9	63	19.5	12.0	15.7	-	29.3	16	8.1	6	-	-	39	-	31	28	8	4	0	0	0	0	0	0	0	0	0	0	-	-	-
Yorks., E. Riding																															
High Mowthorpe ...	9 9	175	20.3	10.7	15.5	-	28.3	16	6.7	3, 6, 8	16.4	-	64	89	44	28	11	5	0	0	0	0	0	0	0	0	0	0	7.33	-	-
Hull †	9 9	2	22.1	-	-	-	31.7	16	7.8	2	17.3	13.2	78	128	45	28	11	8	0	0	0	0	1	0	0	0	0	0	7.48	132	-
Leconfield ...	21-9	7	21.6	11.8	16.7	-	31.0	16	7.6	7, 30	-	-	48	-	33	29	10	7	0	0	0	0	0	0	0	0	0	0	7.50	-	-
Filey ...	9 9	37	19.7	11.5	15.6	-	28.9	16	7.2	6, 18	-	-	48	78	37	28	8	5	0	0	0	0	0	0	0	0	0	0	7.96	-	-
Bridlington †	9 9	48	19.7	10.8	15.3	+0.2	29.4	16	5.6	7	-	-	65	106	39	29	10	6	0	0	0	0	0	0	0	0	0	0	7.89	128	-
Kilnsea ...	21-9	12	19.8	13.0	16.4	-	27.2	20	9.0	8, 30	-	-	44	-	22	28	10	7	0	0	0	0	0	0	0	0	0	0	7.68	-	-
Lincoln																															
Waddington ...	21-9	68	21.6	12.5	17.0	+0.7	31.6	16	8.6	7	-	-	87	-	45	28	9	8	0	0	0	0	0	0	0	0	0	0	7.72	127	-
Lincoln †	9 9	7	22.0	11.1	16.5	+0.2	31.1	16	3.9	30	16.6	14.3	88	145	51	28	11	8	0	0	0	0	0	0	0	0	0	0	7.42	-	-
Cranwell †	9 9	62	21.9	12.0	16.9	+0.6	31.3	16	7.5	31	18.1	15.2	80	125	37	28	9	6	0	0	0	0	2	0	0	0	0	0	7.16	119	-
Brigg ...	9 9	3	22.2	11.8	17.0	-	30.6	16	6.1	30	-	-	86	-	56	28	12	8	0	0	0	0	3	0	0	0	0	0	-	-	-
Caistor ...	9 9	30	-	-	-	-	-	-	-	-	-	-	99	-	49	28	10	9	-	-	-	-	-	-	-	-	-	-	-	-	-
Binbrook ...	21-9	108	21.2	12.5	16.9	-	32.1	16	8.1	8	-	-	65	-	41	28	11	7	0	0	0	0	3	0	0	0	0	0	-	-	-
Cleethorpes ...	9 9	7	-	13.1	-	-	-	-	9.4	8, 18	-	-	41	71	23	28	10	7	0	0	0	0	0	0	0	0	0	0	7.93	129	-
Manby><																															



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS JULY, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days												BRIGHT SUNSHINE					
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm	122 cm.	Total fall (mm.)	Percentage of 1911-60 average	Most in a day Amount (mm.)	Date	Precip'n 0.2 mm or more 1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure		
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date																						
3 ENGLAND, E. — contd.																																	
Essex																																	
Harlow ...	99	79	23.1	12.5	17.8	-	30.6	16	7.8	9	-	14.9	79	-	41	29	8	6	0	0	0	0	2	0	0	-	0	0	7.04	-	-	-	
Stansted ...	99	101	22.3	12.4	17.3	+1.1	30.9	16	8.1	9	-	-	69	105	31	29	7	5	0	0	0	0	2	0	0	0	0	0	-	-	-	-	
Writtle ...	99	32	23.2	11.8	17.5	-	31.7	16	7.8	9	17.6	-	61	106	33	6	7	5	0	0	0	0	2	0	0	0	0	0	6.98	-	-	-	
Southend ...	99	27	23.6	(14.7)	(19.1)	(+1.2)	30.0	16	8.3	7	-	-	102	201	49	6	7	5	0	0	0	0	2	0	0	0	0	0	6.00	89	-	-	
Maldon ...	99	4	23.2	13.3	18.3	-	31.1	16	8.9	7	-	-	80	-	44	6	10	6	0	-	0	1	0	0	0	0	0	-	-	-	-	-	
Earls Colne ...	99	49	23.3	12.1	17.7	-	30.6	16	7.8	9, 26	18.2	15.3	83	137	35	6	7	6	-	0	-	-	0	0	0	0	0	0	-	-	-	-	
Shoeburyness †	21-9	2	22.3	14.3	18.3	+0.9	30.5	16	9.0	7	-	-	101	201	48	6	7	6	0	0	0	0	2	0	0	0	0	0	7.12	104	-	-	
Clacton-on-Sea €	99	16	21.8	14.4	18.1	+1.1	25.6	16, 19	8.3	7, 9	18.4	15.8	95	180	43	6	8	8	0	0	0	0	3	0	0	-	0	0	7.15	105	-	-	
Walton-on-Naze	21-9	5	21.4	14.3	17.9	-	28.5	16	8.0	9	-	-	122	-	57	6	6	6	0	0	1	0	3	0	0	0	0	0	6.89	-	-	-	
Dovercourt ...	99	3	21.5	12.9	17.2	+0.1	29.4	16	7.2	9	-	-	112	233	51	6	6	6	0	-	0	0	1	0	0	0	0	0	-	-	-	-	
4 MIDLAND COUNTIES																																	
Yorks., W. Riding																																	
Slaidburn ...	99	192	18.7	10.6	14.7	-	26.7	15	5.6	3	-	-	47	36	19	28	14	8	0	0	0	0	0	0	0	0	0	-	0	5.51	-	-	-
Malham Tarn ...	99	395	(17.4)	(9.3)	(13.3)	-	24.4	16	5.6	4, 7	(13.8)	-	49	56	17	28	14	9	0	0	0	0	4	0	0	0	0	-	-	5.95	119	-	-
Huddersfield †	99	99	-	-	-	-	-	-	-	-	-	-	44	68	19	28	9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Oakes	21-9	235	20.6	11.3	15.9	-	30.0	16	7.3	3, 6	16.2	12.5	38	50	21	28	11	5	0	0	0	0	2	0	0	0	0	0	6.83	133	-	-	-
Bradford †	99	134	20.3	11.8	16.1	+0.5	28.3	16	7.2	3	16.0	13.2	41	55	15	28	10	6	0	0	0	0	1	0	0	0	0	0	-	-	-	-	-
Ilkley ...	99	96	20.6	11.3	15.9	+0.2	28.9	16	6.1	3	-	-	44	56	15	28	7	6	0	0	0	0	0	0	0	0	-	0	5.96	118	-	-	-
Sheffield ...	99	131	21.5	12.9	17.2	+0.9	29.4	16	8.9	8	17.1	13.9	53	75	28	28	10	7	0	0	0	0	2	-	0	0	0	0	7.33	137	-	-	-
Pontefract ...	99	78	20.8	12.2	16.5	+0.6	28.9	16	8.3	4, 8, 18	-	-	63	104	26	28	11	9	0	0	0	0	3	1	0	0	0	0	-	-	-	-	-
Bramham ...	99	54	20.9	11.2	16.1	-	28.9	16	6.7	3, 7	-	-	62	90	21	28	10	8	0	0	0	0	1	0	0	0	0	0	7.19	-	-	-	-
Cawood ...	99	6	21.6	10.9	16.3	-	31.1	14	6.1	18	17.3	14.8	52	80	25	28	10	8	0	0	0	0	0	0	0	0	0	0	7.02	-	-	-	-
Askham Bryan ...	99	34	21.0	11.4	16.2	-	28.9	16	5.0	18	-	-	49	74	21	28	10	8	0	0	0	0	0	0	0	0	0	0	7.12	134	-	-	-
Derby																																	
Buxton €	99	307	18.6	10.9	14.7	+0.4	26.7	16	6.1	31	16.1	13.8	56	56	27	28	11	9	0	0	0	0	3	0	0	0	-	0	-	-	-	-	
Ashover ...	99	186	20.3	11.3	15.8	-	28.3	16	4.4	6	-	-	60	-	36	28	9	7	0	0	0	0	2	1	0	0	0	0	7.00	-	-	-	-
Derby ...	99	48	22.3	12.7	17.5	-	31.1	16	7.8	18	-	-	63	90	35	28	10	9	0	0	0	0	0	0	0	0	0	0	6.69	-	-	-	-
Morley ...	99	107	21.6	(11.8)	(16.7)	-	30.0	16	7.2	6, 18	-	-	73	101	39	28	9	7	0	-	0	0	0	-	0	0	0	0	7.39	-	-	-	-
Wingerworth ...	99	127	20.9	11.2	16.1	-	28.9	16	5.0	4	17.5	-	66	-	39	28	9	7	0	0	0	0	2	0	0	1	0	0	-	-	-	-	-
Nottingham																																	
Sutton Bonington	99	48	-	11.6	-	-	-	-	5.6	6	16.7	14.5	85	142	47	28	8	6	0	0	0	0	1	0	0	0	-	0	6.66	121	-	-	-
Watnall ...	21-9	117	21.8	12.1	16.9	+0.8	30.7	16	7.6	6	-	-	82	119	45	28	8	6	0	0	0	0	3	1	0	0	0	0	6.62	121	-	-	-
Mansfield ...	99	110	(20.8)	(12.6)	(16.7)	(+0.5)	31.1	16	7.8	30, 31	17.9	-	90	133	49	28	8	6	0	-	0	0	0	0	0	0	0	0	-	-	-	-	-
Nottingham †	99	59	22.2	13.0	17.6	+1.1	31.1	16	8.3	30	18.2	15.6	92	144	44	28	9	5	0	0	0	0	2	0	0	0	0	0	6.47	127	-	-	-
Warsop ...	99	46	22.0	(10.3)	(16.1)	-	30.6	16	3.3	18	-	-	94	167	53	28	8	6	-	0	-	-	1	0	0	-	0	0	7.87	-	-	-	-
Finningley ...	21-9	10	22.6	12.5	17.5	+0.9	31.0	16	7.4	18	-	-	79	-	49	28	11	6	0	0	0	0	2	0	0	0	0	0	7.44	-	-	-	-
Leicester																																	
Newtown Linford	99	119	22.1	11.2	16.7	-	30.6	16	6.1	6	-	-	62	93	37	28	8	7	0	0	0	0	1	0	0	0	-	0	6.50	-	-	-	-
Caldecott ...	99	53	23.1	10.7	16.9	-	31.1	16	5.6	31	-	-	50	90	29	28	8	7	-	0	-	-	-	0	0	0	-	-	6.71	-	-	-	-
Northampton																																	
Bugbrooke Mills	99	69	22.5	10.9	16.7	-	30.0	16	5.6	18	17.1	13.8	61	108	35	28	7	6	-	0	-	-	-	1	0	-	-	-	7.13	-	-	-	-
Raunds †	99	59	23.1	11.9	17.5	+0.9	31.7	16	7.8	18, 30, 3	18.8	14.0	64	114	20	28	11	6	0	0	1	0	2	0	0	0	0	0	7.03	125	-	-	-
Wittering ...	99	65	22.6	12.4	17.5	+1.0	32																										



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS

JULY.

1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE						
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-50 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				10 cm.	122 cm.	Total fall (mm.)	Percentage of 1910-50 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Case	Daily Mean (hr.)	Percentage of 1911-50 average	Exposure		
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date	0.2 mm or more	1.0 mm or more															
4 MIDLAND COUNTIES — contd.																																		
Hereford																																		
Lyonshall ...	99	155	21.5	11.4	16.5	+0.8	27.2	15	6.1	4	-	-	45	67	37	28	5	4	-	-	-	-	-	0	0	0	0	0	0	0	0	7.92	138	-
Ross-on-Wye 95€	21-9	68	22.3	12.0	17.1	+0.6	28.4	14	6.3	6	18.2	15.5	59	102	38	28	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	7.92	138	-
Preston Wynne	99	84	(22.2)	(10.9)	(16.5)	-	28.3	14, 16	5.0	4, 18	-	-	44	78	31	28	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	8.08	-	-
Gloucester																																		
Filton ...	21-9	59	21.7	12.9	17.3	+0.7	28.5	15	7.2	30	-	-	90	124	68	28	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	7.13	-	-
Hempsted ...	99	12	22.4	12.4	17.4	-	28.9	15	7.2	30	18.2	14.8	78	118	53	28	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	7.68	-	-
Gloucester ...	21-9	24	23.3	13.3	18.3	-	29.8	15	7.6	30	-	-	87	-	64	28	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	7.84	-	-
Cheltenham ...	99	65	22.9	12.8	17.9	+0.9	30.0	16	7.8	10, 30	-	-	73	123	51	28	6	5	-	-	-	-	-	0	0	0	0	0	0	0	0	7.38	-	-
Cirencester ...	99	135	22.7	10.9	16.8	-	29.4	16	5.6	18	-	-	60	83	36	28	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7.83	-	-
Little Rissington	21-9	226	21.5	12.3	16.9	-	29.6	16	8.5	7	-	-	59	92	32	28	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	8.14	-	-
5 ENGLAND, S.E.																																		
Greater London																																		
Kensington Palace	99	25	23.7	14.4	19.1	+1.1	31.1	16	8.9	9	18.9	16.2	77	113	33	6	8	5	0	0	0	0	2	0	0	0	0	0	0	0	-	-	-	
Hampstead ...	99	137	23.0	13.5	18.3	+1.6	31.0	16	8.1	9	-	-	73	-	30	29	7	5	0	0	0	0	1	-	0	0	0	0	0	0	7.15	115	S	
St. James's Park	99	4	24.1	14.8	19.5	+1.4	31.7	16	9.4	9	-	-	77	-	34	6	6	5	0	-	0	0	0	-	0	0	0	0	0	0	-	-	-	
London/W. Centre	-	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.29	120	-	
Greenwich ...	99	7	-	-	-	-	31.1	16	10.0	8	-	-	92	164	42	29	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	6.67	111	-
Heathrow ...	21-9	25	23.9	13.9	18.9	+1.3	31.8	16	9.2	10	-	-	69	123	27	29	6	5	0	0	0	0	1	0	0	0	0	0	0	0	7.39	-	-	
Hampton ...	99	12	23.5	14.3	18.8	-	30.0	16	9.4	7	-	-	86	146	36	29	6	5	0	0	1	0	1	0	0	0	0	0	0	0	7.26	-	-	
Wealdstone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.99	-	-	
Southgate ...	99	67	23.5	13.5	18.5	-	31.1	16	9.4	7, 10, 30	17.1	-	84	143	26	6	7	4	0	0	0	0	2	0	0	0	0	0	0	0	6.83	-	-	
Kew 95€	21-9	5	23.2	12.6	17.9	-	31.3	16	8.1	27	17.2	14.4	75	121	33	6	5	5	0	0	1	0	1	0	0	0	0	0	0	7.27	114	-		
Waddon ...	99	67	-	13.3	-	-	-	-	8.9	7, 8, 9	-	-	96	155	46	6	6	5	-	-	-	-	-	-	0	0	0	0	0	0	-	-	-	
Addington ...	99	144	22.7	13.1	17.9	+1.2	29.4	16	7.8	7	-	-	103	153	48	6	6	5	-	-	-	-	-	0	0	0	0	0	0	-	-	-		
Bromley ...	99	65	-	(13.1)	-	-	-	-	7.8	9	-	-	101	175	45	6	7	5	-	0	-	-	-	0	0	-	-	-	-	-	-	-	-	
Surrey																																		
Gatwick ...	21-9	59	23.1	11.4	17.3	+0.5	29.1	16	7.8	31	-	-	85	130	53	6	7	3	0	0	0	0	1	0	0	0	0	0	0	0	7.04	-	-	
Witley ...	99	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Mickleham ...	99	55	(23.2)	(10.6)	(16.9)	-	28.9	16	6.1	10, 18	-	-	103	164	53	6	7	5	0	0	0	0	1	0	0	0	0	0	0	0	-	-	-	
Kent																																		
Dartford ...	99	5	24.2	13.3	18.7	-	31.7	16	8.9	7	-	-	84	155	42	6	8	7	0	0	1	0	1	0	0	0	0	0	0	0	-	-	-	
Hadlow College	99	27	23.4	11.4	17.4	-	28.9	16	6.7	19	17.9	14.3	85	-	49	6	7	6	0	0	0	0	2	0	0	0	0	0	0	0	-	-	-	
Gillingham ...	99	4	23.9	13.9	18.9	-	30.6	16	9.4	7	-	-	95	163	54	6	8	7	-	0	-	-	-	-	0	0	0	0	0	0	-	-	-	
Isle of Grain	99	3	23.3	15.4	19.3	-	30.6	16	10.0	7, 8	-	-	96	-	51	6	7	7	0	0	0	0	0	0	0	0	0	0	0	0	7.00	-	-	
Dungeness ...	21-9	3	20.6	13.6	17.1	+0.8	25.2	11	8.5	10	-	-	137	268	66	28	7	6	0	0	0	2	6	0	0	0	0	0	0	0	-	-	-	
Whitstable ...	99	3	22.4	14.4	18.4	-	30.6	16	10.0	9, 10	-	-	122	245	44	6	8	7	0	0	0	0	4	0	0	0	0	0	0	2	7.14	-	-	
Folkstone ...	99	39	20.7	14.2	17.5	-	25.6	28	8.9	7	-	14.9	111	199	63	28	8	7	0	0	0	0	4	1	0	0	0	0	0	1	7.12	-	-	
Elmstone ...	99	9	22.5	12.3	17.4	-	30.6	16	8.3	9, 10	-	-	109	-	52	28	7	7	-	0	-	-	-	0	0	0	0	0	0	-	-	-	-	
Herne Bay ...	99	6	22.9	14.9	18.9	-	32.2	16	10.0	8	-	-	119	229	53	28	8	8	0	0	0	0	4	0	0	0	0	0	0	1	6.84	-	-	
Dover ...	99	6	-	14.6	-	-	-	-	9.4	7, 8	18.8	16.6	137	228	63	28	8	8	0	0	1	4	1	0	-	0	0	0	0	0	6.62	-	-	
Deal ...	21-9	5	20.8	14.2	17.5	-	29.6	16	8.8	9	-	-	137	-	64	28	8	8	0	0	0	0	6	0	0	0	0	0	1	-	-	-	-	
Manston ...	21-9	44	21.7	13.8	17.7	-	29.4	16	8.6	7	-	-	123	241	59	6	7	7	0	0	0	0	6	0										



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS JULY, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE		
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1911-60 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date	0.2 mm or more	1.0 mm or more													
5. ENGLAND, S.E. — contd.																																
Hampshire — contd.																																
Southsea	99	2	22.0	14.7	18.3	+0.8	28.3	12	9.4	7	18.8	(15.9)	48	94	36	6	5	4	0	0	0	0	0	0	0	0	0	0	8.30	118	-	
Hayling Island ...	99	4	21.3	14.2	17.7	-	27.8	11	9.4	7	-	-	43	-	33	6	5	3	0	0	0	0	0	0	0	0	0	0	-	-	-	
Long Sutton ...	99	156	22.0	11.4	16.7	+0.3	28.3	16	5.6	10	18.6	-	51	73	31	6	7	5	0	0	0	0	0	0	0	0	0	0	7.64	120	S	
Alice Holt Lodge	99	115	22.5	11.8	17.1	-	28.3	16	7.8	10	-	-	58	78	34	6	6	4	0	0	0	0	0	0	0	0	0	0	7.73	-	-	
S. Farnborough	99	69	23.0	12.5	17.9	+1.0	30.6	16	7.2	10	-	-	57	88	35	6	6	4	0	0	0	0	0	0	0	0	0	0	7.32	117	-	
Isle of Wight																																
St. Catherine's Pt.	99	16	19.9	12.7	16.8	+0.7	25.5	24	8.0	27	-	-	57	105	34	5	3	3	0	0	0	0	0	2	0	0	-	1	-	-		
Ventnor *	99	135	20.3	13.7	17.0	+0.6	25.6	11	8.9	7	18.6	15.0	66	111	43	6	3	3	0	0	0	0	0	0	0	0	0	0	8.44	117	-	
Shanklin	99	55	20.6	13.2	16.9	-	25.6	16	8.9	7	-	-	71	111	45	6	5	4	0	0	0	0	0	0	0	0	-	0	9.27	-	-	
Sandown	99	4	21.9	14.1	18.0	+1.0	27.2	11	9.4	7	-	-	78	132	40	6	4	3	0	0	0	0	0	0	0	0	-	-	8.64	-	-	
Ryde	99	5	22.2	14.1	18.1	+0.8	27.2	16	9.4	7	-	-	62	117	35	6	4	4	0	0	0	0	0	0	0	0	-	3	8.48	115	-	
Wiltshire																																
Lacock	99	49	22.6	11.4	17.0	-	29.4	16	5.0	18.30	-	-	49	78	32	28	7	6	-	0	-	-	-	0	0	0	-	-	-	-	-	
West Lavington	99	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lynham	21-9	145	21.8	12.0	16.9	+0.7	28.8	16	7.6	30	-	-	50	76	33	28	6	5	0	0	0	0	0	0	0	0	0	0	7.48	-	-	
Larkhill	99	132	22.4	11.5	16.9	+0.9	28.7	16	7.1	9	-	-	30	47	12	6	6	4	0	0	0	0	0	0	0	0	0	0	-	-	-	
Boscombe Down	21-9	126	22.7	11.4	17.1	+0.9	28.5	16	6.6	30	-	-	39	62	5	4	5	4	0	0	0	0	0	0	0	0	0	0	7.58	123	-	
Upavon	21-9	176	22.0	11.6	16.8	-	29.1	16	7.5	10.30	-	-	42	63	21	28	6	5	0	0	0	0	0	0	0	0	0	0	-	-	-	
Porton	99	111	22.5	10.4	16.5	+0.5	28.5	16	5.2	18	17.0	-	45	74	18	6	6	4	-	0	-	-	-	0	0	4	0	0	7.61	118	-	
7a. ENGLAND, N.W.																																
Cumberland																																
Sellafield	99	13	18.5	(11.3)	(14.9)	-	25.6	15	6.7	6	-	-	24	24	6	18	16	7	-	0	-	-	-	-	0	0	-	-	6.01	-	-	
Carlisle	21-9	26	19.6	11.5	15.5	-	28.1	15	6.2	7	-	-	43	-	12	28	14	11	0	0	0	0	0	0	0	0	0	0	5.69	-	-	
Newton Rigg	99	171	19.3	10.6	14.9	+0.2	26.7	15	5.0	7	15.9	-	37	47	11	28	13	10	-	0	-	-	-	-	0	0	-	-	5.71	112	-	
Spadeadam	99	274	17.0	10.6	13.8	-	-	15	2.8	7	13.7	11.4	90	-	25	18	21	14	0	0	0	1	0	6	0	1	-	0	4.74	-	-	
Westmorland																																
Ambleside	99	46	19.6	11.4	15.5	-	27.8	15	6.1	30	-	-	64	48	29	18	14	11	0	0	0	0	0	0	0	0	-	0	-	-	S	
Great Dun Fell	21-9	847	13.0	7.3	10.1	-	22.0	15	2.0	7	-	-	-	-	-	-	-	-	-	-	-	-	19	0	-	-	-	3.83	-	-		
Moor House	99	556	16.0	8.0	12.0	-	23.3	15	2.8	3.7	11.8	-	65	35	13	28	18	13	-	0	-	-	-	7	0	3	-	-	5.49	-	-	
Lancashire																																
Squires Gate	21-9	10	19.1	12.3	15.7	0.0	28.5	15	6.3	25	-	-	22	30	10	28	8	5	0	0	0	0	0	0	0	0	0	0	6.37	107	-	
Aigburth	99	14	20.6	13.3	16.9	-	28.0	15	9.5	30	21.5	16.1	44	-	21	28	11	7	0	0	0	0	0	0	0	0	-	0	7.17	-	-	
Southport	99	5	19.2	12.2	15.7	-	27.2	15	6.7	4.25	16.7	12.1	29	39	14	28	11	7	-	0	-	-	-	0	0	0	-	-	6.99	-	-	
Poulton-le-Fylde	99	12	19.6	12.4	16.0	-	29.4	15	7.2	25	-	-	20	25	10	28	6	4	0	0	0	0	0	0	0	0	-	0	-	-	-	
Grizedale	99	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Speke	21-9	22	21.2	12.6	16.9	-	28.3	15	8.3	4.30	-	-	46	63	22	28	11	7	0	0	0	0	0	0	0	0	0	0	6.75	-	-	
Kirkham	99	24	19.4	12.3	15.9	-	28.3	15	7.2	4.25.30	-	-	25	29	11	28	8	6	0	0	0	0	0	0	0	0	-	0	6.42	-	-	
Garstang	99	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bailrigg	99	54	18.6	11.9	15.3	-	27.6	15	6.9	3.7	-	-	30	-	11	28	11	6	-	0	-	-	-	0	0	0	-	-	5.25	-	-	
Morecambe	99	7	19.1	13.6	16.3	+0.3	27.8	15.16	9.4	4	-	-	30	37	9	28	10	8	0	0	0	0	0	0	0	-	0	5.55	97	-	-	
Penketh	99	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Preston	99	33	19.8	12.1	15.9	-	28.9	15	6.1	7	-	-	28	31	16	28	10	5	0	0	0	0	1	0	0	0	-	0	-	-	-	
Bolton	99	107	19.7	11.4	15.5	-	27.8	15	5.0	4	14.9	-	35	-	20	28	8	6	-	0	-	-	-	0	0	0	-	6.08	-	-	-	
Stonyhurst	99	115	(19.2)	11.2	(15.2)	(0.0)	27.8	15	5.6	7.8	-	-	61	60	23	28	11	8	-	0	-	-	-	0	0	-	-	5.34	105	-	-	
Manchester/ W. Centre	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.92	-	-	-	
Helmsdale	99	260	18.3	11.2	14.7	-	26.1	15	7.2	7	14.5	-	59	49	23	28	12	10	-	0	-	-	-	3	0	0	-	5.57	-	-	-	
Burnley	99	200	19.1	10.9	15.0	-	27.2	15	5.0	7	14.2	11.4	44	-	19	28	8	8	0	0	0	0	0	1	0	0	-	0	5.25	-	-	-
Nelson	99	165	18.9	11.5	15.2	-	26.7	15	5.9	7	15.4	12.3	43	46	19	28	12	7	-	0	-	-	-	0	0	0	-	5.34	-	S	-	
Rochdale	99	110	19.9	11.0	15.5	-	27.8	15	5.0	3.4	-	-	48	49	25	28	13	7	0	0	0	0	0	0	0	0	-	0	-	-	-	
Cheshire																																
West Kirby Park	99	8	21.1	12.9	17.0	-	28.9	15	7.8	4	-	-	31	-	13	28	10	8	-	0	-	-	-	-	0	0	-	-	7.07	-	-	-
Bidston	99	60	19.5	13.3	16.4	+0.7	27.3	15	9.8	7	-	-	37	53	15	28	9	8	-	-	-	-	-	0	0	0	-	0	6.98	122	-	-
Ness Gardens	99	55	20.6	(12.2)	(16.4)	-	28.3	15	8.3	30	-	-	43	-	20	28	11	7	0	0	0	0	0	0	0	0	-	0	5.85	-	-	-
Warrington	99	20	21.8	12.8	17.3	-	28.9	15.16	7.8	4.30	-	-	38	54	25	28	8	7	0	0	0	0	0	0	0	0	-	0	-	-	-	
Knutsford	99	65	21.4	11.7	16.5	-	28.9	16	7.2	4.30	17.7	13.9	45	57	28	28	12	8	-	0	-	-	-	-	0	0	-	-	-	-	-	
Ringway	21-9	76	20.8	12.6	16.7	+0.8	28.0	15	8.6	4	-	-	33	42	15	28	11	6	0	0	0	0	0	1	0	0	0	6.33	127	-	-	
Macclesfield	99	152	20.6	12.1	16.3	+0.6	28.3	15	7.8	7	-	-	46	107	21	28	12	7	0	0	0	0	0	0	0	-	0	-	-	-	-	
7b. NORTH WALES																																
Flint																																
Rhyl	99	9	20.1	12.6	16.3	+0.5	29.4	15	7.2	3.25	-	-	23	44	9	28	7	5	0	0	0	0	0	0	0	0	-	0	6.90	120	-	-
Prestatyn	99	4	20.2	12.8	16.5	-	28.9	15	7.8	14	-	-	28	48	12	28	7	6	0	0	0	0	0	0	0	0	-	0	6.55	121	-	-
Hawarden Bridge	99	5	22.0	12.4	17.2	+0.9	28.3	15	6.7	4.25.30	-	-	40	63	20	28	9	7	0	-	0	0	0	0	0	0	-	0	-	-	-	



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS JULY, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE			
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1931-60 average	Most in A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure	
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date																
8a. SOUTH WALES.																																	
Cardigan																																	
Aberporth ...	21-9	133	18.3	12.1	15.2	+0.4	26.9	15	9.0	4	-	-	29	37	19	28	7	4	0	0	0	0	0	0	0	0	0	0	6.24	-	-	-	
Gogerddan ...	99	31	19.3	11.6	15.5	-	29.4	15	6.1	4	-	-	50	56	24	28	12	6	0	0	0	0	0	0	0	0	0	0	5.43	-	-	-	
Swyddffynnon ...	99	165	19.4	10.6	15.0	-	28.3	15	4.4	4	-	-	52	47	29	28	6	5	-	0	-	-	-	0	0	0	0	-	5.64	-	-	-	
Trawscoed ...	99	61	19.6	10.6	15.1	-	28.3	15	4.4	4.5	15.6	-	56	53	29	28	8	6	0	0	0	0	0	0	0	0	0	0	5.98	-	-	-	
Llety-evan-hen ...	99	290	17.2	11.4	14.3	-	26.1	25	7.8	4, 7, 8	-	-	53	44	25	28	12	9	0	0	0	0	0	0	0	0	0	0	4.42	98	-	-	
Cwmystwyth ...	99	301	17.6	9.4	13.5	-	25.6	14, 15	3.9	30	-	-	57	-	27	28	9	9	-	0	-	-	-	0	0	0	0	-	-	-	-	-	
Pembroke																																	
Dale Fort ...	99	33	19.1	12.9	16.0	-	25.0	15	10.6	1, 9, 30	17.8	-	17	-	11	28	5	4	0	0	0	0	0	0	0	0	0	0	1	7.51	-	-	-
Milford Haven C.B.*	21-9	37	18.6	13.0	15.8	-	25.0	15	9.4	9	-	-	23	-	14	28	6	4	0	0	0	0	0	0	0	0	0	0	0	4	0	-	-
Brawdy ...	99	110	17.8	11.4	14.6	-	26.1	15	8.3	31	-	-	29	31	11	28	10	7	0	0	0	0	0	0	0	0	0	0	0	6.38	-	-	-
Orielton ...	99	61	(19.3)	(11.8)	(15.5)	-	25.0	14, (15)	5.2	30	(15.7)	-	26	-	19	28	10	3	0	-	0	0	0	0	0	0	0	0	0	-	-	-	-
Haverfordwest ...	99	8	19.4	-	-	-	26.7	15	-	-	-	-	27	-	14	28	5	4	0	-	0	0	0	0	0	0	0	0	0	5.69	-	-	-
Carmarthen																																	
Carmarthen ...	99	15	20.2	10.9	15.5	-	27.8	15	5.6	4	16.6	-	31	-	24	28	6	3	0	0	0	0	0	0	0	0	0	0	6.51	-	-	-	
Cenarth Mill ...	21-9	282	18.6	9.4	14.0	-	25.7	14	2.5	4	-	-	44	-	31	28	8	5	-	0	-	-	-	0	0	0	0	-	-	-	-	-	
Radnor																																	
Llandrindod Wells	99	235	20.5	10.5	15.5	+0.6	27.8	14	5.0	4	15.7	-	61	75	48	28	8	5	0	0	0	0	0	0	0	0	0	0	5.59	113	S	-	
Brecknock																																	
Llwynon ...	99	262	19.0	9.9	14.5	-	26.1	15	5.0	7, 30	-	-	71	-	53	28	10	7	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
Glamorgan																																	
Mumbles ...	21-9	36	18.5	12.9	15.7	-	24.9	14	9.2	7	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
Penmaen ...	99	82	19.2	12.4	15.8	-	26.1	15	8.9	7	-	-	70	-	57	28	8	7	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
Swansea ...	99	8	20.1	13.7	16.9	+0.2	25.6	14, 15	10.0	4, 7, 30	19.1	16.6	73	82	59	28	8	4	0	0	0	0	0	0	0	0	0	0	0	6.51	110	-	
Port Talbot ...	99	7	20.6	12.9	16.7	-	28.3	14, 15	7.8	30	-	-	67	70	59	28	8	4	0	0	0	0	0	0	0	0	0	0	0	5.54	-	S	-
Neath ...	99	62	20.0	12.6	16.3	-	27.8	15	7.8	30	-	-	70	65	60	28	5	4	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
Rhoose ...	21-9	67	19.7	12.3	16.0	-	27.4	15	7.7	30	-	-	83	107	69	28	6	4	0	0	0	0	0	0	0	0	0	0	0	6.71	101	-	
Cardiff ...	99	62	21.9	12.8	17.3	+0.9	28.9	15	8.9	9, 30	15.9	13.8	66	76	53	28	7	4	0	-	0	0	0	0	0	0	0	0	0	6.70	-	S	-
Monmouth																																	
Tredegar ...	99	313	19.9	10.9	15.4	-	26.1	15	5.6	30	-	-	56	44	47	28	9	3	0	0	0	0	0	0	0	0	0	0	0	6.76	-	S	-
Newport ...	99	23	(22.2)	(12.3)	(17.3)	(+0.7)	(29.4)	(15)	8.3	7, 9, 30	-	-	65	76	55	28	4	4	0	0	0	0	0	0	0	0	0	0	0	7.56	-	-	-
Usk ...	99	21	22.8	10.7	16.7	-	27.8	14, 15	4.4	18	19.3	-	53	64	44	28	2	2	-	0	-	-	-	0	0	0	0	-	-	-	-	-	
Crumbland ...	99	245	20.6	11.5	16.1	-	26.1	15	6.7	7	16.5	14.7	66	75	45	28	4	3	0	0	0	0	0	0	0	0	0	0	0	7.86	-	-	-
8b. ENGLAND, S.W.																																	
Somerset																																	
Hawkridge ...	99	314	18.8	10.4	14.6	-	24.4	15	7.2	4, 18, 31	-	-	98	88	84	28	10	5	0	0	0	0	0	0	0	0	0	0	0	7.00	-	-	-
Williton ...	99	96	20.6	10.9	15.7	-	27.2	15	6.7	31	19.3	-	127	-	110	29	4	3	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-
Cannington ...	99	29	21.1	12.7	16.9	-	28.3	15	8.9	31	17.2	-	114	181	102	28	6	3	-	-	-	-	-	0	0	0	0	-	6.97	106	-	-	
Weston-super-Mare	99	9	21.2	13.7	17.5	+0.6	28.3	15	7.2	30	-	-	94	138	83	28	2	2	0	0	0	0	0	0	0	0	0	0	0	1	7.16	113	-
Cricket Malherbie	99	76	-	-	-	-	-	-	-	-	-	-	109	-	93	28	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cheddar ...	99	11	21.6	-	-	-	28.3	15	5.0	10	17.8	-	31	-	12	28	7	5	-	0	-	-	-	-	0	0	0	0	-	-	-	-	
Yeovilton ...	21-9	18	22.1	11.8	16.9	-	28.2	15	6.1	30	-	-	82	-	63	28	5	4	0	0	0	0	0	0	0	0	0	0	0	-	-	-	
Rodney Stoke ...	99	40	21.2	12.1	16.7	-	27.8	15	7.2	30	17.7	14.8	116	-	97	28	4	3	-	0	-	-	-	0	0	0	0	0	-	-	-	-	
Long Ashton ...	99	49	21.5	12.6	17.1	+0.7	28.9	15	7.2	10, 30	18.3	-	109	138	89	28	5	3	0	0	0	0	0	0	0	0	0	0	0	7.13	118	-	-
West Camel ...	99	27	22.9	10.7	16.8	-	28.3	15, 23	5.0	10, 18, 30	-	-	83	-	60	28	6	4	0	0													



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS JULY, 1969

DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPERATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE				
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1931—60 average	MOST IN A DAY		Precip'n 0.2 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure	
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date															
9. NORTHERN IRELAND																															
Londonderry																															
Loughmore Forest	99	174	18.0	9.5	13.7	-	25.5	14	1.3	24	-	-	41	-	7	1	22	9	0	0	0	0	1	0	2	-	0	-	-	-	-
Ballykelly	21-9	2	19.0	11.7	15.3	+0.7	25.9	14	5.1	24	16.2	13.6	22	27	4	27	14	9	0	0	0	0	0	0	0	0	0	4.78	109	-	-
Derrynoyd Forest	99	88	19.0	10.5	14.7	-	26.0	14	4.9	30	-	-	37	-	10	27	16	11	0	0	0	0	0	0	0	-	-	-	-	-	-
Somerset Forest	99	43	19.0	10.6	14.8	-	25.0	15	6.0	24	-	-	48	-	15	6	14	9	0	0	0	0	0	0	0	-	-	-	-	-	-
Coleraine	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Garvagh Forest	99	91	18.7	10.3	14.5	-	25.0	14,15	5.0	17,24	16.4	13.1	39	-	11	27	16	8	0	0	0	1	0	0	0	-	-	-	-	-	-
Moneydig	21-9	34	19.1	10.4	14.7	+0.2	25.0	15	4.6	24	16.4	-	66	66	18	1	16	11	0	0	1	0	0	0	0	0	-	-	-	-	-
Antrim																															
Portrush Golf Club	99	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ballymoney	99	55	18.8	9.9	14.3	-	25.1	15	5.6	25	-	-	64	-	15	6	16	12	0	-	0	0	0	0	0	-	-	-	-	-	-
Lisnafillan	99	38	19.2	11.0	15.1	-	25.0	15	5.6	25	-	-	48	-	13	6	12	9	0	0	0	0	0	0	0	-	-	5.97	-	-	-
Aldergrove	21-9	69	19.2	11.5	15.3	+0.6	25.2	15	6.4	3	15.9	12.3	51	57	20	22	11	10	0	0	0	0	0	0	0	0	0	5.78	131	-	-
Greenmount	99	32	19.3	11.4	15.3	-	25.0	14,15	6.1	3,29	16.7	-	48	-	14	22	13	11	0	0	0	0	-	0	-	-	-	-	-	-	-
Altnahinch	99	226	16.9	9.8	13.3	-	23.9	15	4.4	29	-	-	84	-	15	23	21	16	0	0	0	0	0	0	0	-	0	4.60	-	-	-
Parkmore Forest	99	235	17.1	9.6	13.3	-	22.8	14	5.0	6,25	13.4	-	61	-	12	22	18	16	0	0	0	0	1	0	0	-	2	-	-	-	-
Black Mountain	21-9	295	17.0	9.8	13.4	-	23.0	15	5.0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lowtown	99	271	17.2	9.8	13.5	-	22.8	14	5.0	3,6	13.4	-	67	-	13	22	15	12	0	0	0	0	2	0	0	-	0	5.23	-	-	-
Ballypatrick Forest	99	152	17.8	10.1	13.9	-	24.4	14	6.1	25	-	-	43	-	9	27	18	13	0	0	0	0	1	0	0	-	0	4.79	-	-	-
Belfast, Malone*	99	35	19.0	11.1	15.1	-	23.3	10	6.7	3,8	-	-	60	-	20	25	12	10	0	0	0	0	0	0	0	-	-	6.20	-	-	-
Newtownabbey	99	32	19.6	12.3	15.9	-	23.9	14,15	7.8	8	16.5	-	61	-	21	25	12	8	0	0	0	0	1	0	0	-	0	6.57	-	-	-
Woodburn, North	99	217	17.7	9.5	13.6	-	22.2	21	3.9	3,25	-	-	74	-	25	22	13	10	0	0	0	1	1	0	0	-	-	-	-	-	-
Larne	99	43	20.0	11.1	15.5	-	24.4	21	6.7	3,25	-	-	61	-	17	25	10	7	0	0	0	0	1	0	-	-	-	-	-	-	-
Kilroot	99	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ballylumford	99	24	18.8	11.4	15.1	-	22.2	10,25,26	7.8	30	-	-	63	-	22	25	10	7	0	-	0	0	-	0	0	-	-	-	-	-	-
Down																															
Hillsborough	99	116	18.6	11.1	14.9	+0.6	24.4	14	6.1	8	15.2	12.2	55	-	19	25	11	9	0	0	0	0	0	0	0	-	-	5.95	132	-	-
Kilkeel	21-9	18	18.7	11.9	15.3	+0.6	24.5	10	8.4	30	-	-	39	-	22	25	11	8	0	0	0	0	1	0	0	0	0	6.42	-	-	-
Tollymore Park	99	76	19.2	11.6	15.4	-	23.9	10,21	7.2	8	-	-	90	-	29	22	13	8	0	0	0	0	0	0	0	-	-	-	-	-	-
Rosetta	99	24	19.4	10.7	15.1	-	24.4	15	5.0	25	-	-	62	-	20	25	11	8	0	0	0	0	0	0	-	-	-	-	-	-	-
Murlough	99	9	18.9	11.2	15.1	-	24.4	10	6.1	30	15.9	13.3	76	-	29	25	11	9	0	0	0	0	0	0	0	-	0	6.00	-	-	-
Stormont Castle	99	56	19.2	11.4	15.3	-	23.9	15,21	6.7	3	16.4	13.7	71	86	21	22	12	9	0	0	0	0	1	0	0	-	0	5.72	-	-	-
Downpatrick	99	36	19.7	11.9	15.8	-	23.9	15	5.6	3	-	-	84	-	25	22	13	9	-	-	-	-	0	0	0	-	-	-	-	-	-
Creighton's Green	99	119	18.4	11.3	14.9	-	22.8	10,15	7.2	8,25	-	-	79	-	27	22	13	8	0	0	0	0	0	0	0	-	0	-	-	-	-
Reagh Island**	99	12	19.1	12.1	15.6	-	23.9	10	8.2	6,8	-	-	76	-	30	22	12	9	-	-	-	-	1	0	0	-	-	5.93	-	-	-
Helen's Bay	99	43	19.4	11.9	15.7	-	25.0	15	8.3	3,6,8	-	-	66	-	20	22	14	8	0	0	0	0	2	0	0	-	0	5.86	-	-	-
Killough	21-9	15	18.1	11.1	14.6	-	23.6	10,11	7.0	8	-	-	41	-	21	25	11	7	0	0	0	0	2	0	0	-	0	-	-	-	-
Ballyhalbert	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.47	-	-	-	-
Armagh																															
Armagh	99	62	20.2	11.4	15.8	+0.7	26.1	15	6.1	29	17.7	14.6	37	44	8	22	17	11	0	0	0	0	0	0	0	-	0	5.35	129	-	-
Loughgall	99	25	19.7	11.1	15.4	-	25.6	14,15	6.1	3,8,29	-	-	34	-	12	22	15	9	0	0	0	0	0	0	0	-	0	6.11	-	-	-
Glenanne	21-9	134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bessbrook	-	76	-	-	-	-	-	-	-	-	-	-	59	64	23	22	12	10	-	-	-	-	-	-	-	-	-	6.33	136	-	-
Portadown	99	16	20.2	11.8	16.0	-	26.1	15	6.7	8,29	17.0	14.3	39	-	15	22	12	10	0	-	0	0	-	0	0	-	0	-	-	-	-
Lurgan	99	55	20.1	11.4	15.7	-	25.6	15	6.7	3,8	16.3	13.6	42	-	13	22	13	11	-	-	-	-	-	0	0	-	-	6.20	-	-	-
Tyrone																															
Lough Bradan	99	169	17.8	9.8	13.8	-	25.6	14	4.4	29	-	-	43	-	7	18	20	15	-	0	-	-	1	0	1	-	-	4.75	-	-	-
Baronscourt Forest	99	88	18.8	11.0	14.9	-	26.8	14	4.4	29	-	-	32	-	6	6	18	11	0	0	0	0	0	0	0	-	-	-	-	-	-
Strabane Convent	99	44	19.5	11.4	15.5	-	26.8	14	6.0	24	-	-	21	-	4	25	16	7	0	0	0	0	1	0	0	-	0	4.40	-	-	-
Carrigans	21-9	113	18.8	10.6	14.7	-	26.4	14	5.5	24	-	-	30	-	5	6	15	9	0	0	0	0	0	0	0	0	-	-	-	-	-
Lislap Forest	99	209	17.4	9.1	13.3	-	25.0	14	3.9	3,8,24	15.4	-	38	-	7	23	16	11	0	0	0	0	0	0	0	-	0	-	-	-	-
Knockmany Forest	99	73	19.0	9.0	14.0	-	26.4	14	2.4	24	-	-	33	-	6	22	14	9	0	0	0	0	0	0	0	-	-	-	-	-	-
Pomeroy Forest	99	165	18.7	9.9	14.3	-	23.9	14,15	4.4	29	16.3	-	34	-	11	27	15	10	0	0	0	0	1	0	0	-	0	-	-	-	-
Cookstown	99	77	18.9	10.6	14.7	-	24.4	14,15	5.0	29	15.2	-	31	-	8	22	13	9	0	-	0	0	1	0	0	-	-	4.96	-	-	-
Fermanagh																															
Roscor	99	143	17.9	10.6	14.3	-	26.6	15	5.2	29	-	-	42	-	10	6	22	12	0	0	0	0	1	0	0	-	-	-	-	-	-
Lough Navar Forest	99	148	18.5	10.2	14.3	-	26.5	14	5.5	24	-	-	44	-	8	5	11	11	0	0	0	0	0	0	0	-	0	-	-	-	-
C.Archdale Forest	99	66	18.4	11.1	14.7																										



TABLE IV

## —SUMMARY OF OBSERVATIONS AT FIXED HOURS

JULY,

1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Okta)					VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION																			
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-3	3-5	6-7	8	9	0-39 m.	40-100 m.	200-300 m.	400-500 m.	1000-1900 m.	2000-3900 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
																									8 or more	4-7	4-5	1-3	Calms									SPEED IN KNOTS				
																																						22-33	11-21	1-10	0	
Number of Observations																																										
0	SCOTLAND, N.																																									
83	Lerwick [Zetland]																																									
3	1014.1	-	10.2	0.4	11.8	95	6.5	0	2	5	11	9	4	1	1	2	0	2	3	3	4	6	9	0	1	15	14	1	2	0	0	0	1	5	12	9	1					
9	1014.4	+8.7	11.9	0.8	12.6	90	7.1	0	1	1	15	12	2	0	1	1	2	1	1	2	6	8	9	0	3	16	11	1	1	1	0	2	3	15	6	2						
15	1014.6	-	12.5	1.2	12.5	86	6.9	0	1	4	10	15	1	0	0	1	1	0	3	5	2	6	13	0	7	14	10	0	0	1	0	4	5	10	9	2						
21	1014.9	-	10.8	0.5	12.1	94	6.9	0	1	4	13	9	4	0	2	2	2	0	2	3	5	7	8	0	2	14	15	0	2	1	1	3	3	9	11	1						
26	Kirkwall [Orkney]																																									
3	1015.0	-	10.9	0.6	12.1	93	6.7	0	2	3	14	12	0	0	0	1	0	0	0	4	4	13	9	0	0	16	11	4	1	0	0	4	5	9	6							
9	1015.4	+4.6	13.2	1.4	12.8	84	6.6	0	2	3	17	8	1	0	0	1	0	0	0	3	2	12	13	0	5	16	8	2	0	0	1	3	7	9	4	5						
15	1015.6	-	14.5	2.1	12.8	77	6.2	0	2	5	15	9	0	0	0	0	0	0	0	4	1	0	16	0	6	19	6	0	0	1	1	6	2	3	15	3						
21	1015.7	-	11.9	0.9	12.5	89	6.1	0	5	2	15	9	0	0	0	0	0	0	0	5	4	9	13	0	2	15	12	2	2	0	1	3	5	7	8	3						
37	Wick [Caithness]																																									
3	1015.2	-	11.0	0.6	12.3	92	6.8	0	3	4	15	9	0	0	0	0	2	0	0	4	3	13	9	0	0	5	23	3	0	0	2	1	8	7	6	4						
9	1015.7	+4.6	13.8	1.7	12.9	81	5.8	0	3	7	17	4	0	0	0	0	0	1	1	2	1	5	21	0	2	16	13	0	0	0	0	0	4	11	4	6	6					
15	1015.6	-	15.2	2.1	13.6	78	6.1	0	4	3	18	6	0	0	0	0	0	0	1	2	1	7	20	0	2	19	10	0	2	1	3	8	3	5	6							
21	1015.9	-	12.4	1.0	12.8	88	5.9	0	4	5	17	5	0	0	0	0	0	1	0	5	9	16	0	0	8	20	3	1	1	2	2	8	2	8	4							
113	Cape Wrath* [Sutherland]																																									
3	1014.4	-	11.3	0.8	12.1	90	6.8	0	1	6	7	12	5	0	4	1	0	0	0	1	1	9	15	0	3	11	16	1	0	0	0	2	2	21	2	3						
9	1015.0	-	12.2	1.1	12.4	87	7.0	0	1	4	9	12	5	0	5	0	0	0	0	0	3	8	15	0	1	13	16	1	0	0	0	1	1	21	4	3						
15	1015.2	-	12.8	1.1	12.9	87	7.1	0	1	1	11	13	5	0	5	0	0	0	0	2	0	7	17	0	2	12	15	2	0	0	0	2	1	21	2	3						
21	1015.1	-	11.9	0.9	12.5	90	6.6	0	1	8	7	10	5	0	5	0	0	0	1	2	1	6	16	0	3	10	14	4	0	0	0	1	3	18	3	2						
5	Stornoway [Ross & Cromarty]																																									
3	1015.2	-	11.0	0.2	12.8	97	6.0	0	4	6	14	7	0	0	0	0	0	0	1	4	12	11	3	0	1	14	12	4	0	0	0	1	11	10	4	1						
9	1015.7	+4.5	13.1	0.9	13.6	90	6.4	0	1	9	10	11	0	0	0	0	0	1	1	4	10	7	8	0	2	21	8	0	1	0	0	0	16	9	3	2						
15	1015.6	-	14.3	1.3	14.0	85	6.6	0	1	4	16	10	0	0	0	0	0	0	1	4	6	9	11	0	1	26	4	0	1	0	0	0	15	8	6	1						
21	1015.7	-	12.2	0.3	13.7	96	6.4	0	1	6	15	9	0	0	0	0	0	0	2	4	10	11	4	0	2	16	11	2	0	0	2	0	13	8	3	3						
6	Benbecula [Inverness]																																									
3	1016.0	-	11.8	0.5	13.0	94	6.5	0	2	5	13	10	1	0	0	0	1	4	1	2	8	8	7	0	1	17	11	2	0	0	0	3	9	9	5	3						
9	1016.5	+5.2	13.3	1.0	13.5	89	6.6	0	3	2	16	10	0	0	0	2	2	3	3	5	9	7	0	3	22	6	0	1	0	0	3	8	12	6	1							
15	1016.6	-	14.4	1.5	13.8	84	6.4	0	3	3	16	9	0	0	0	0	4	1	3	4	6	13	0	3	24	4	0	1	0	0	2	8	13	7	0							
21	1016.5	-	12.7	0.8	13.4	91	6.2	0	5	2	13	10	1	0	0	0	1	2	3	4	4	9	8	0	4	19	8	0	0	0	1	2	10	11	4	3						
1	SCOTLAND, E.																																									
6	Kinloss [Moray]																																									
3	1016.1	-	12.6	1.7	11.8	80	6.0	0	4	3	20	4	0	0	0	0	0	0	2	0	0	8	21	0	1	10	17	3	0	0	0	2	4	17	3	2						
9	1016.6	+5.3	16.0	3.2	12.4	68	6.2	0	3	3	21	4	0	0	0	0	0	0	0	1	0	2	28	0	1	17	13	0	2	0	0	1	4	12	6	6						
15	1016.2	-	18.1	4.4	12.3	60	6.0	0	3	6	18	4	0	0	0	0	0	0	1	1	0	6	23	0	2	18	11	0	6	0	0	2	6	13	4							
21	1016.7	-	14.7	2.5	12.3	73	5.9	0	3	4	22	2	0	0	0	0	0	0	0	1	2	3	25	0	1	16	13	1	1	1	2	1	4	15	6	0						
59	Dyce [Aberdeen]																																									
3	1016.8	-	11.7	0.9	12.3	88	5.7	1	4	3	19	4	0	0	0	0	0	0	2	2	8	12	7	0	0	7	16	8	3	0	0	0	6	2	9	3						
9	1017.3	+5.6	15.4	2.5	13.0	74	5.9	1	0	9	16	5	0	0	0	0	0	1	0	1	3	7	19	0	0	10	19	2	0	0	3	3	6	3	5	9						
15	1016.8	-	18.3	4.1	13.1	63	6.0	0	2	8	17	4	0	0	0	0	0	0	0	4	3	7	17	0	1	15	15	0	4	0	2	3	7	5	9	1						
21	1017.4	-	14.6	1.9	13.3	79	5.6	0	4	6	19	2	0	0	0	0	0	0	1	4	7	7	12	0	0	9	20	2	1	0	1	1	9	4	10	3						
22	Fraserburgh [Aberdeen]																																									
3	1016.3	-	12.8	1.3	12.6	85	6.0	0	4	7	11	9	0	0	0	0	0	1	1	5	22	2	0	0	8	21	2	0	1	0	1	8	7	9	3							
9	1016.8	-	14.4	1.8	13.3	81	6.2	0	1	9	12	8	1	0	1	0	0	0	3	1	22	4	0	1	10	18	2	0	0	2	0	10	4	8	5							
15	1016.4	-	16.3	2.6	13.8	74	5.9	0	1	11	12	7	0	0	0	0	0	0	1	3	16	11	0	1	10	19	1	1	1	4	4	6	1	8	5							
21	1016.9	-	14.0	1.4	13.5	83	5.8	0	3	9	12	7	0	0	0	0	0	0	2	4	21	4	0	2	4	23	2	2	2	1	1	8	4	8	3							
35	Usan [Angus]																																									
3	1017.2	-	12.3	0.6	13.4	92	5.6	1	4	7	13	6	0	0	0	0	0	1	1	4	5	20	0	0	7	20	4	0	1	0	0	7	10	7	2							
9	1017.7	-	15.0	1.4	14.6	85	5.0	1	2	15	9	4	0	0	0	0	0	1	1	2	7	20	0	1	9	17	4	3	0	1	1	6	8	5	3							
15	1017.2	-	16.8	1.9	15.6	82	4.8	1	4	11	11	4	0	0	0	0	0	0	3	3	3	22	0	1	16	13	1	1	1	1	7	7	7	5	1							
21	1017.7	-	13.8	1.0	14.2	89	5.0	0	7	7	14	3	0	0	0	0	0	1	3	1	5	21	0	0	7	20	4															



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION															
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-10 m.	40-100 m.	200-300 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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
																									SPEED IN KNOTS														
																									8 or more	22-31	11-21	1-10	0										
																									Number of Observations														
6a. SCOTLAND, W. — contd.																																							
Lowther Hill [Lanark]																																							
-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Prestwick [Ayr]																																							
21	3	1019.1	-	12.3	0.7	13.2	91	6.1	1	3	5	14	8	0	0	0	0	0	0	1	3	11	13	3	0	0	11	18	2	1	1	0	6	2	5	10	4		
-	9	1019.5	+6.9	15.0	1.7	14.2	83	6.2	0	3	5	13	10	0	0	0	0	0	0	7	7	8	9	0	0	9	22	0	1	0	0	1	10	3	11	5			
-	15	1019.5	-	16.8	2.7	14.1	74	5.7	0	5	4	15	7	0	0	0	0	0	2	3	5	7	14	0	0	16	15	0	0	0	0	5	3	19	4				
-	21	1019.6	-	13.7	1.2	13.6	86	5.9	0	3	5	17	6	0	0	0	0	0	0	1	11	11	8	0	0	6	22	3	4	0	2	1	3	2	12	4			
Eskdalmuir [Dumfries]																																							
237	3	1019.6	-	10.6	0.7	12.0	92	5.7	3	3	4	9	12	0	0	1	1	1	2	4	2	9	7	4	0	2	6	12	11	0	0	1	0	8	6	4	1		
-	9	1019.8	+7.4	14.0	1.5	13.4	83	6.2	0	3	6	10	11	1	0	1	0	1	2	4	8	10	5	0	1	12	14	4	0	0	0	1	9	5	8	4			
-	15	1019.4	-	16.3	2.5	14.0	75	6.4	0	2	7	11	11	0	0	0	1	1	3	3	5	14	4	0	2	18	10	1	0	0	0	1	8	11	7	3			
-	21	1020.1	-	12.3	1.2	12.5	86	5.3	0	9	3	9	10	0	0	0	0	1	1	5	8	10	6	0	2	6	19	4	3	0	1	0	4	8	9	2			
Mull of Galloway [Wigtown]																																							
79	3	1020.3	-	12.2	0.8	12.9	90	5.8	3	2	5	7	11	3	0	2	0	1	0	0	1	2	15	10	0	5	14	9	3	2	0	0	2	9	4	8	3		
-	9	1020.7	-	13.5	1.0	13.7	88	5.8	1	4	7	7	8	4	0	2	0	3	0	2	2	19	3	0	4	17	10	0	1	0	0	1	13	8	4	4			
-	15	1020.6	-	15.5	1.8	14.4	82	5.8	0	6	4	11	8	2	0	1	0	1	0	2	4	17	6	1	6	15	9	0	0	0	2	1	13	5	4	6			
-	21	1020.5	-	13.3	1.3	13.2	86	5.2	2	2	10	10	6	1	0	1	0	0	1	0	3	18	8	1	6	12	11	1	5	0	1	0	8	6	5	5			
6b. ISLE OF MAN																																							
Ronaldsway																																							
21	3	1020.3	-	12.6	0.9	13.2	90	6.4	0	3	3	13	10	2	0	2	0	0	1	1	4	4	7	12	0	0	9	21	1	5	2	2	0	2	4	11	4		
-	9	1020.9	-	14.7	1.5	14.0	83	6.2	0	4	4	12	11	0	0	0	0	0	1	1	4	5	4	16	0	0	8	23	0	1	0	3	2	4	8	13	0		
-	15	1020.7	-	16.7	2.6	14.1	74	5.4	1	5	5	16	4	0	0	0	0	0	1	2	7	6	15	0	1	11	19	0	1	0	4	1	8	8	6	3			
-	21	1020.6	-	14.2	1.4	13.7	84	5.3	0	7	5	13	6	0	0	0	0	0	0	3	7	3	18	0	1	7	23	0	3	0	2	1	4	5	13	3			
Point of Ayre																																							
9	3	1020.4	-	12.9	0.8	13.6	91	6.3	0	1	7	12	11	0	0	0	0	0	0	2	5	7	17	0	2	12	15	2	0	0	0	4	6	7	9	3			
-	9	1021.2	-	15.5	1.6	14.6	82	6.0	0	2	9	12	8	0	0	0	0	0	0	1	6	16	8	0	2	19	10	0	0	1	1	5	3	8	12	1			
-	15	1020.9	-	18.2	3.2	14.6	70	5.5	1	3	10	9	8	0	0	0	0	0	0	2	3	13	13	0	2	19	10	0	1	0	1	5	5	5	12	2			
-	21	1020.8	-	14.3	1.5	13.7	83	5.4	0	4	9	14	4	0	0	0	0	0	0	2	5	10	14	0	3	9	19	0	0	1	1	5	5	8	7	4			
2. ENGLAND, N.E.																																							
Acklington [Northumberland]																																							
46	3	1018.8	-	11.6	0.6	12.8	92	5.0	1	7	7	11	5	0	0	0	1	0	0	2	3	8	14	3	0	0	4	24	3	1	0	0	0	2	8	15	2		
-	9	1019.2	+6.7	16.1	2.1	14.6	79	5.6	1	4	6	12	8	0	0	0	0	0	2	4	8	8	9	0	1	13	17	0	3	0	2	1	3	5	14	3			
-	15	1018.8	-	18.2	2.9	15.2	72	5.4	1	4	7	15	4	0	0	0	0	0	0	4	6	8	13	0	0	15	16	0	0	5	1	5	1	2	16	1			
-	21	1019.3	-	14.3	1.2	14.3	87	4.9	0	7	9	12	3	0	0	0	1	0	3	5	6	11	5	0	1	6	21	3	1	0	2	1	4	6	12	2			
Tynemouth [Northumberland]																																							
40	3	1019.2	-	13.5	1.1	13.6	87	4.9	3	5	5	13	5	0	0	0	0	0	0	3	12	16	0	0	0	13	17	1	0	0	1	0	2	5	20	2			
-	9	1019.6	+6.6	15.9	2.0	14.4	79	5.4	3	2	7	11	8	0	0	0	0	0	1	2	8	10	10	0	0	1	11	18	1	5	0	0	6	2	5	11	1		
-	15	1019.4	-	17.7	2.7	15.0	74	5.5	1	4	6	14	6	0	0	0	0	0	2	4	7	18	0	0	2	18	10	1	3	2	2	5	2	1	15	0			
-	21	1019.6	-	15.7	1.7	14.8	83	5.3	1	4	10	10	5	1	0	1	0	0	1	7	9	13	0	0	0	11	18	2	1	0	1	2	7	1	16	1			
Seahouses [Northumberland]																																							
12	3	1018.7	-	12.6	1.0	13.0	88	4.9	0	10	4	11	6	0	0	0	0	0	2	3	10	14	2	0	1	3	25	2	0	0	0	0	3	4	20	2			
-	9	1019.0	-	15.7	2.0	14.3	79	4.9	0	9	7	7	8	0	0	0	0	0	1	4	7	3	16	0	1	9	18	3	5	1	1	0	5	3	11	2			
-	15	1018.8	-	17.6	2.7	15.0	74	5.3	0	4	11	7	9	0	0	0	0	0	1	6	3	6	15	0	0	12	19	0	0	5	2	1	3	5	1	13	1		
-	21	1018.9	-	14.6	1.5	14.0	84	4.4	0	9	11	5	6	0	0	0	1	0	1	3	5	9	12	0	0	1	27	3	2	0	1	2	6	4	18	0			
Leeming [Yorks, N. Riding]																																							
33	3	1020.2	-	13.1	1.2	13.1	86	5.3	3	5	3	13	6	1	0	1	0	0	0	4	1	7	8	10	0	0	1	25	5	2	0	1	1	6	8	3	5		
-	9	1020.5	-	16.8	2.4	14.6	75	5.3	1	5	6	15	4	0	0	0	0	0	2	5	7	5	12	0	0	9	21	1	4	0	0	0	8	3	9	6			
-	15	1020.1	-	20.0	4.4	14.4	62	5.5	0	6	6	12	7	0	0	0	0	0	1	2	9	8	11	0	0	11	19	1	1	4	1	1	5	1	13	4			
-	21	1020.5	-	16.1	2.1	14.5	79	4.9	0	7	9	10	5	0	0	0	1	0	0	1	8	10	11	0	0	2	24	5	1	0	0	0	5	2	16	2			
Whitby C.G. [Yorks, N. Riding]																																							
66	3	1019.4	-	13.2	1.1	13.4	87	4.3	1	9	9	8	4	0	0	0	0	0	0	5	24	2	0	0	1	7	22	1	0	0	0	1	7	7	11	4			
-	9	1019.7	-	16.0	1.9	14.7	80	4.8	3	6	6	12	4	0	0	0	0	0	0	6	17	7	1	0	1	11	17	2	0	0	2	3	4	3	11	6			
-	15	1019.7	-	17.7	2.7	15.2	75	5.3	0	6	9	8	8	0	0	0	0	0	0	5	13	8	5	0	3	7	18	3	3	1	4	4	2	4	4	6			
-	21	1019.8	-	15.8	1.9	14.5	81	5.3	0	3	12	11	5	0	0	0	0	0	0	5	20	6	0	0	0	10	18	3	1	0	2	3	7	3	12	0			
Leconfield [Yorks, E. Riding]																																							
9	3	1020.7	+7.3	17.2	2.6	14.7	74	5.3	2	5	6	10	8	0	0	0	0	0	3	9	9	9	1	0	0	10	20	1	3	1	0	2	4	4	11	5			
-	15	1020.3	-	20.3	4.5	14.6	61	4.8	1	7	8	10	5	0	0	0	0	0	1	5	10	10	5	0	0	13	18	0	1	3	4	3	0	4	13	3			
-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Kilnsea [Yorks, E. Riding]																																							
16	3	1020.6	-	14.3	0.8	15.0	91	4.6	3	4	12	4	8	0	0																								



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS

JULY, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)					VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION																	
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-2	3-5	6-7	8	9	0-10 m.	40-100 m.	200-300 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-30 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
																									SPEED IN KNOTS															
																									3 or more	4, 5	6, 7	8 or more	10 or more											
																									0	1-10	11-21	22-33	34 or more											
Number of Observations																																								
3.	ENGLAND, E. — contd.																																							
Mildenhall [Suffolk]	12	3	1020.8	-	13.7	0.8	14.4	91	4.8	1	11	0	14	5	0	0	0	1	2	3	2	13	9	1	0	0	0	0	0	0	26	5	1	0	1	4	2	7	6	5
		9	1021.3	+6.6	18.0	2.5	15.8	76	5.3	0	8	5	8	10	0	0	0	0	0	1	0	9	14	7	0	0	0	0	1	30	0	5	1	2	1	0	6	7	9	
		15	1020.7	-	21.9	4.7	16.2	62	6.1	0	3	6	12	10	0	0	0	0	0	0	6	15	8	2	0	0	0	2	27	2	4	1	2	2	2	7	6	5		
		21	1021.2	-	17.5	2.0	16.3	81	4.9	2	5	6	14	4	0	0	0	0	1	0	13	13	4	0	0	0	0	0	26	5	4	2	4	4	1	4	4	3		
Wattisham [Suffolk]	91	3	1020.9	-	13.2	0.6	14.2	88	4.8	3	6	6	9	7	0	0	0	2	0	11	13	4	1	0	0	0	1	28	2	3	0	2	4	2	4	9	5			
		9	1021.3	-	17.4	2.4	15.3	77	5.2	1	6	5	11	8	0	0	0	0	0	1	11	16	3	0	0	0	11	18	2	5	1	3	0	3	3	4	10			
		15	1020.8	-	20.7	4.3	15.6	64	5.7	2	3	5	13	8	0	0	0	0	0	1	9	10	1	0	0	0	10	19	2	4	1	1	4	2	4	11	2			
		21	1021.3	-	15.8	1.4	15.5	86	4.7	3	7	5	7	9	0	0	0	0	1	2	14	12	1	1	0	0	2	28	1	4	3	6	4	2	7	1	3			
Aldeburgh [Suffolk]	9	3	1020.4	-	-	-	-	-	5.2	4	4	5	9	9	0	0	0	1	0	2	11	17	0	0	0	0	2	25	4	4	1	3	0	1	4	9	5			
		9	1021.1	-	-	-	-	-	5.5	3	4	6	12	0	0	0	0	1	4	13	13	0	0	0	0	2	29	0	4	6	3	1	5	2	4	6				
		15	1021.0	-	-	-	-	-	5.2	5	3	4	10	9	0	0	0	0	4	15	12	0	0	0	0	8	23	0	1	9	4	3	6	1	3	4				
		21	1021.2	-	-	-	-	-	4.6	7	5	3	4	11	1	0	1	0	0	0	14	16	0	0	0	4	24	3	3	5	4	0	4	7	4	1				
Wyton [Hunts]	43	3	1021.0	-	13.7	0.9	14.2	89	4.6	3	8	5	9	5	1	0	1	0	1	2	5	15	7	0	0	0	0	26	5	1	0	0	3	0	5	11	6			
		9	1021.5	-	17.4	2.4	15.2	76	5.2	3	8	6	12	7	0	0	0	0	1	3	11	10	6	0	0	0	7	23	1	2	3	1	2	1	7	7	7			
		15	1020.8	-	21.8	5.0	15.3	60	5.8	0	4	5	15	7	0	0	0	0	1	1	4	12	13	0	0	0	6	25	0	2	3	3	1	4	3	12	3			
		21	1021.3	-	17.1	2.0	15.7	80	5.0	1	6	7	12	5	0	0	0	0	1	1	15	13	1	0	0	0	2	27	2	4	3	2	2	1	4	6	7			
Cardington [Bedford]	29	3	1021.1	-	12.7	0.6	13.9	94	4.3	2	13	0	9	7	0	0	2	0	4	6	15	4	0	0	0	0	31	0	1	2	1	3	2	16	3	3				
		9	1021.5	+6.3	17.8	2.6	15.3	74	4.8	2	7	6	8	8	0	0	0	0	1	1	10	11	8	0	0	0	5	26	0	3	2	0	1	5	8	9	3			
		15	1020.8	-	21.8	5.1	15.2	59	5.4	0	7	6	12	6	0	0	0	0	1	0	5	14	11	0	0	0	6	25	0	3	1	3	2	11	8	1				
		21	1021.3	-	16.8	2.0	15.3	80	4.7	1	9	5	11	5	0	0	0	0	0	0	9	18	4	0	0	0	2	28	1	5	1	4	0	6	5	6	3			
Stansted [Essex]	102	3	1021.2	-	13.2	0.7	14.1	92	5.0	4	3	7	10	6	1	0	0	2	0	2	17	9	1	0	0	0	1	22	8	2	0	2	0	1	2	12	4			
		9	1021.5	-	17.7	2.6	15.3	75	4.9	3	6	2	16	4	0	0	0	0	0	3	10	12	6	0	0	0	8	22	1	5	3	3	1	0	3	8	7			
		15	1020.9	-	21.2	4.8	15.2	61	5.4	0	6	6	13	6	0	0	0	0	0	7	9	15	0	0	0	6	22	3	3	1	2	3	1	3	9	6				
		21	1021.4	-	16.7	2.0	15.4	80	4.6	3	7	4	13	4	0	0	0	0	2	9	13	7	0	0	0	2	23	6	5	0	3	5	1	1	8	2				
Shoeburyness [Essex]	5	9	1021.1	+5.5	18.5	2.3	16.7	77	5.4	1	6	4	11	9	0	0	0	0	0	6	13	6	4	2	0	0	7	23	1	4	0	4	0	2	7	5	8			
		15	1020.7	-	21.0	3.3	17.9	72	5.2	1	8	4	11	7	0	0	0	0	0	2	12	10	5	2	0	0	9	21	1	3	1	8	4	4	3	3	4			
		21	1021.0	-	17.7	1.6	17.2	84	5.0	2	6	5	11	7	0	0	0	0	0	2	11	14	2	2	0	0	5	26	0	4	1	7	1	6	5	3	4			
Walton-on-Naze [Essex]	8	3	1020.8	-	15.1	1.0	15.4	89	4.9	2	4	12	5	8	0	0	0	0	2	20	9	0	0	0	0	1	23	7	5	2	0	3	3	0	7	4				
		9	1021.3	-	18.4	2.7	15.9	75	5.4	3	1	9	10	8	0	0	0	0	1	4	17	9	0	0	0	5	25	1	5	3	3	2	0	5	3	9				
		15	1021.2	-	19.7	2.9	17.0	73	4.9	4	3	6	11	7	0	0	0	0	4	14	13	0	0	0	0	6	23	2	1	1	6	2	11	2	2	4				
		21	1021.4	-	17.1	1.6	16.6	84	4.8	1	10	5	4	11	0	0	0	0	0	1	19	11	0	0	0	8	17	6	2	3	5	3	4	3	2					
4.	MIDLAND COUNTIES																																							
Huddersfield Oakes [Yorks, W.R.]	234	3	1019.9	-	11.8	1.2	12.0	85	5.6	4	0	7	9	11	0	0	0	1	0	6	16	2	6	0	0	0	7	15	9	1	0	0	0	1	5	11	4			
		9	1020.6	-	16.5	2.3	14.6	77	5.5	3	3	4	15	6	0	0	0	2	3	12	7	7	0	0	0	9	19	3	1	3	0	1	1	5	14	3				
		15	1020.2	-	19.3	3.8	14.8	67	5.7	1	2	7	13	8	0	0	0	0	1	0	9	6	15	0	0	12	19	0	0	0	2	2	1	4	16	6				
		21	1020.6	-	14.5	1.6	13.9	83	4.5	3	5	10	7	6	0	0	0	1	0	0	10	11	9	0	0	1	7	22	1	1	0	1	2	0	7	9	10			
Watnall [Nottingham]	119	3	1020.7	-	12.9	0.7	13.9	92	4.9	1	7	8	12	3	0	0	0	0	1	3	15	12	0	0	0	2	21	8	0	1	0	0	0	5	12	5				
		9	1021.0	+6.7	16.9	2.4	14.9	76	5.8	1	5	3	12	10	0	0	0	1	2	9	16	2	0	0	0	6	23	2	2	2	1	1	2	6	11	4				
		15	1020.4	-	20.5	4.3	15.3	64	5.1	0	7	8	8	8	0	0	0	0	1	0	4	13	11	2	0	12	17	2	0	1	2	0	3	3	12	8				
		21	1021.0	-	16.3	1.9	15.1	80	4.5	3	7	4	14	3	0	0	0	0	1	0	14	11	5	0	0	0	1	26	4	2	0	4	1	0	3	10	7			
Finningley [Nottingham]	14	3	1020.4	-	13.7	0.8	14.5	91	4.3	7	5	3	12	4	0	0	0	0	0	5	16	8	2	0	0	2	22	7	0	1	0	1	2	6	6	8				
		9	1020.9	+7.0	17.9	2.4	15.9	77	5.6	3	4	3	13	8	0	0	0	0	1	2	7	12	7	2	0	11	16	4	5	1	1	0	4	4	7	5				
		15	1020.4	-	21.6	4.4	16.4	64	5.3	0	8	5	11	7	0	0	0	0	1	0	2	19	8	1	0	15	15	1	6	0	2	1	1	3	9	8				
		21	1020.8	-	17.0	1.9	15.8	81	5.2	1	6	6	13	5	0	0	0	0	1	12	13	5	0	0	0	2	25	4	2	0	3	2	3	0	7	10				
Wittering [Northampton]	67	3	1020.7	-	13.4	0.8	14.0	90	4.7	3	7	4	8	9	0	0	0	0	1	7	12	11	0	0	0	5	26	0	1	0	1	2	3	1	19	4				
		9	1021.3	+6.6	17.6	2.8	14.9	74	5.2	4	4	3	14	6	0	0	0	0	1	3	5	14	8	0	0	13	18	0	4	2	1	2	2	2	13	5				
		15	1020.5	-	21.6	5.0	15.2	60	5.2	0	6	9	10	6	0	0	0	0	1	0	2	16	11	1	0	15	15	0	2	1	2	2	3	5	11	5				
		21	1021.0	-	16.9	2.1	15.4	80	4.5	1	8	9	9	4	0	0	0	0	2	12	16	1	0	0	0	80	1	0	4	1	2	3	1	10	9					
Edgbaston [Warwick]	165	9	1022.2	+7.2	16.7</																																			



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY, 1969

[illegible]



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS

JULY,

1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN mbs		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Okta)					VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION																
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-2	3-5	6-7	8	9	0-1/10 m.	10-100 m.	200-350 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
																									4 or more	6-7	4-5	1-3	Calm										
																									SPEED IN KNOTS														
																									14 or more	22-33	11-21	1-10	0										
Number of Observations																																							
Speke [Lancashire]																																							
26	3	1020.8	-	13.8	1.0	14.2	89	5.1	1	7	5	14	4	0	0	0	0	0	0	0	0	7	12	10	2	0	0	10	18	3	2	0	0	7	3	3	6	7	8
	9	1021.3	-	16.7	2.1	15.2	79	5.9	1	4	5	14	7	0	0	0	0	0	0	0	2	8	8	9	4	0	0	12	19	0	1	0	2	3	6	4	7	8	
	15	1021.0	-	19.8	4.1	14.7	64	5.6	1	4	5	17	4	0	0	0	0	0	1	0	0	9	7	14	0	0	0	18	13	0	1	0	1	1	3	2	7	16	
	21	1021.2	-	15.9	1.9	14.6	80	4.7	0	10	5	12	4	0	0	0	0	0	0	0	4	15	6	6	0	0	0	8	22	1	2	1	3	1	1	4	10	8	
Ringway [Cheshire]																																							
76	3	1020.9	-	13.6	1.1	13.7	87	5.8	0	7	2	13	9	0	0	0	0	0	0	2	11	14	4	0	0	0	3	21	7	0	0	0	1	4	9	2	5	6	
	9	1021.4	+7.4	16.6	2.3	14.7	78	6.0	0	4	5	15	7	0	0	0	0	1	0	2	10	11	7	0	0	0	10	20	1	0	0	1	0	7	8	8	8		
	15	1021.0	-	19.8	4.4	14.2	62	5.9	1	1	8	13	8	0	0	0	0	0	0	1	3	14	11	2	0	0	0	15	15	1	0	0	1	1	4	4	18	2	
	21	1021.4	-	16.5	2.4	14.4	76	4.8	1	9	4	14	3	0	0	0	0	0	1	0	4	20	6	0	0	0	3	26	2	0	1	3	0	2	5	14	4		
7b. NORTH WALES																																							
Valley [Anglesey]																																							
11	3	1021.3	-	12.9	0.7	13.7	91	5.4	2	3	8	10	8	0	0	0	0	0	0	4	3	5	13	6	1	2	14	11	3	1	0	2	1	9	6	6	3		
	9	1021.9	+7.8	15.4	1.6	14.6	83	6.3	0	5	1	14	9	2	0	0	0	2	0	2	4	4	13	6	0	4	17	8	2	1	0	1	0	6	8	9	4		
	15	1021.8	-	17.1	2.6	14.6	75	5.7	0	6	3	16	6	0	0	0	0	0	0	1	3	10	7	10	0	5	16	10	0	3	0	0	4	17	3	4			
	21	1021.7	-	14.6	1.2	14.6	87	5.5	1	6	3	16	4	1	0	0	0	1	0	1	4	6	5	14	0	3	13	13	2	3	0	2	0	6	14	2	2		
Bardsey Island [Caernarvon]																																							
19	3	1021.6	-	13.2	0.6	14.3	94	4.6	3	5	10	5	6	2	1	0	0	1	0	0	5	5	17	2	0	4	8	17	2	5	0	2	2	6	6	2	6		
	9	1022.1	-	14.3	0.7	15.1	92	6.1	2	1	7	7	7	7	0	1	4	2	0	0	3	4	15	2	0	2	13	12	4	3	0	2	2	6	6	4	4		
	15	1022.1	-	15.9	1.5	15.3	84	5.6	2	3	8	10	6	2	0	1	0	1	0	0	3	8	13	5	0	0	13	15	3	5	0	1	2	3	10	5	2		
	21	1021.8	-	13.8	0.7	14.5	92	5.5	1	1	14	6	7	2	0	0	1	2	0	0	2	4	15	7	0	1	8	17	5	3	0	0	6	12	1	4			
8a. SOUTH WALES																																							
Aberporth [Cardigan]																																							
134	3	1022.0	-	13.0	0.9	13.6	90	5.4	3	5	3	12	7	1	0	0	0	1	1	2	2	10	9	6	0	2	7	19	3	2	0	0	1	8	5	5	7		
	9	1022.4	+7.6	15.3	1.7	14.4	83	6.0	1	5	1	14	10	0	0	0	1	0	0	0	5	16	4	5	0	0	14	17	0	1	2	0	1	8	6	8	5		
	15	1022.3	-	16.8	2.4	14.7	77	5.7	0	4	5	19	3	0	0	0	0	1	0	0	6	8	10	6	0	0	14	17	0	3	1	2	0	3	3	13	6		
	21	1022.3	-	14.4	1.3	14.2	86	4.7	1	9	6	9	6	0	0	0	1	2	0	0	5	6	7	10	0	0	11	17	3	2	1	1	0	5	8	8	3		
Milford Have C.B. [Pembroke]																																							
39	3	1022.4	-	14.0	0.9	14.5	90	4.7	7	2	5	6	7	4	0	2	0	2	0	0	8	12	7	0	0	0	5	20	6	6	1	3	1	0	5	3	6		
	9	1022.9	-	15.6	1.5	14.9	84	5.7	3	3	9	9	4	0	3	1	0	0	1	6	14	6	0	0	0	0	8	20	3	1	3	2	2	2	8	2	8		
	15	1022.8	-	17.8	2.6	15.3	75	5.3	4	2	7	11	0	0	0	0	0	2	8	11	10	0	0	0	0	0	13	18	0	4	0	1	1	4	10	9	2		
	21	1022.6	-	15.3	1.4	14.9	85	4.8	2	8	5	8	7	1	0	0	0	1	1	0	10	13	6	0	0	0	3	26	2	3	0	0	1	5	6	6	8		
Mumbles [Glamorgan]																																							
37	3	1021.8	-	14.5	1.0	14.8	89	5.1	4	4	6	6	10	1	0	0	0	1	0	0	4	8	11	7	0	1	10	19	1	3	4	4	0	0	3	7	9		
	9	1022.5	-	15.9	1.4	15.5	85	6.1	2	1	7	6	12	3	0	0	2	1	0	1	10	9	6	2	0	2	10	18	1	2	0	7	0	2	9	7	3		
	15	1022.4	-	17.4	2.4	15.3	77	5.9	0	4	7	11	7	2	0	0	2	0	0	0	9	9	5	6	0	0	18	13	0	1	0	1	1	3	8	14	3		
	21	1022.3	-	15.7	1.4	15.3	85	5.2	1	6	9	6	8	1	0	0	0	1	0	1	6	13	6	4	0	0	11	19	1	3	0	1	0	2	7	13	4		
Rhoose [Glamorgan]																																							
69	3	1022.1	-	13.4	0.7	14.3	92	5.0	6	4	3	6	9	3	0	0	2	1	0	1	8	9	7	3	0	0	5	22	4	4	1	5	0	0	2	5	10		
	9	1022.6	+7.0	16.4	2.0	15.0	79	5.8	1	5	2	15	8	0	0	0	0	0	0	3	7	12	6	3	0	0	14	16	1	0	1	5	2	1	1	12	8		
	15	1022.2	-	18.7	3.2	15.3	71	5.1	0	8	5	13	5	0	0	0	0	0	1	6	9	6	9	0	0	0	18	11	2	0	0	1	5	1	0	15	7		
	21	1022.4	-	15.1	1.3	14.9	86	5.2	1	6	5	12	6	1	0	1	0	0	0	4	3	11	6	6	0	0	8	19	4	2	0	0	0	3	0	14	8		
8b. ENGLAND, S.W.																																							
Yeovilton [Somerset]																																							
23	3	1022.4	-	13.0	0.7	14.0	92	5.6	2	1	11	6	9	2	0	1	0	1	3	5	16	4	1	0	0	0	3	10	18	2	1	0	2	1	1	3	3		
	9	1022.9	-	17.5	2.4	15.4	77	5.8	2	3	5	9	12	0	0	0	0	0	0	4	13	13	1	0	0	1	6	18	6	3	2	4	0	0	2	3	11		
	15	1022.4	-	20.9	4.6	15.1	61	5.3	0	5	10	11	5	0	0	0	0	0	2	7	17	5	0	0	0	1	14	16	0	0	1	3	2	2	5	13			
	21	1022.5	-	16.5	1.9	15.2	80	4.2	2	9	8	6	6	0	0	0	0	0	0	0	17	13	1	0	0	0	3	19	9	1	1	0	2	1	0	6	12		
Portland Bill [Dorset]																																							
54	3	1022.2	-	14.4	0.8	15.1	92	4.1	6	5	9	3	7	1	0	1	0	0	0	3	8	8	10	1	0	2	10	18	1	9	2	7	0	1	1	4	6		
	9	1023.2	-	15.9	1.2	15.8	87	4.9	4	5	6	9	7	0	0	0	0	1	3	9	6	8	4	0	2	6	19	4	4	1	4	3	1	0	10	4			
	15	1022.9	-	17.2	1.8	16.2	82	4.4	3	6	11	3	8	0	0	1	1	1	1	9	6	9	3	0	1	11	17	2	2	1	2	3	0	3	12	6			
	21	1022.6	-	15.2	1.0	15.5	90	4.7	3	4	9	10	3	2	0	1	0	1	1	0	10	4	12	2	0	0	14	17	0	5	1	4	1	0	3	4	13		
Hartland Point [Devon]																																							
93	3	1021.7	-	14.3	0.8	14.9	91	5.2	3	5	10	6	2	0	1	0	2	0	0	0	5	10	9	4	0	1	11	17	2	3	1	0	2	2	8	8	5		
	9	1022.4	-	15.0	1.1	15.1	88	6.4	1	2	4	11	12	1	0	1	2	1	0	6	11	8	1	0	2	11	17	1	2	3	2	2	1	6	9	5			
	15	1022.3	-	16.4	1.8	15.3	83	6.0	0	2	9	10	6	4	0	3	1	1	1	0	4	8	11	2	0	0	13	17	1	0	4	2	0	0	1	16	7		
	21	1021.9	-	15.0	1.0	15.3	90	5.6	0	6	6	10	7	1	0	1	1	2	1	1	2	12	7	3	0	1	12	15	2	4	2	1	2	0	3	12	4		
Mount Batten [Devon]																																							
30	3	1022.7	-	13.8	0.6	14.7	92	4.5	4	6	11	4	0	0	0	0	0	0	1	9	18	3	0	0	0	3	22	6	7	2	2	1	0	1	7	5			
	9	1023.3	+6.9	16.5	1.7	15.6	83	5.6	0	6	6	7	11	1	0	0	0	1	0	0	6																		



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS JULY, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)					VISIBILITY (Metres and Kilometres)							WIND SPEED AND DIRECTION																	
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-39 m.	40-100 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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																									SPEED IN KNOTS												
																									8 or more	22-33	11-21	1-10	0								
																									Number of Observations												
9 NORTHERN IRELAND — <i>contd.</i>																																					
Aldergrove [Antrim]		-	-	12.7	0.9	13.2	89	6.5	0	3	2	15	10	1	0	0	0	1	0	2	4	9	15	0	0	0	4	27	0	0	1	2	1	5	9	9	4
73	3	1020.1	+7.0	15.3	1.8	14.2	81	6.4	0	2	4	20	5	0	0	0	0	0	1	1	11	11	7	0	0	0	22	9	0	3	0	0	1	5	6	12	4
	9	1020.3	-	18.3	3.6	14.0	66	6.1	0	1	8	19	3	0	0	0	0	0	1	0	5	10	15	0	0	0	22	9	0	4	0	0	0	6	5	13	3
	15	1020.0	-	14.9	1.8	13.9	81	6.4	0	2	3	19	7	0	0	0	0	0	1	1	7	13	9	0	0	0	9	20	2	5	0	2	3	5	3	9	2
	21	1020.3	-																																		
CHANNEL ISLANDS																																					
Guernsey																																					
110	3	1022.8	-	14.3	0.7	15.2	92	3.9	8	8	1	5	8	1	0	2	3	2	0	0	7	4	9	4	0	0	8	22	1	2	0	5	3	1	2	6	11
	9	1023.5	-	16.1	1.4	15.7	86	5.0	4	6	2	11	6	2	0	2	2	1	3	1	5	6	7	4	0	0	11	18	2	4	2	3	1	2	3	7	7
	15	1023.3	-	18.0	2.5	15.8	76	3.8	5	4	13	6	3	0	0	0	0	0	1	11	7	8	4	0	0	1	15	13	2	2	3	2	0	1	1	9	11
	21	1023.0	-	15.0	1.0	15.3	89	3.8	3	11	5	7	5	0	0	0	2	0	1	3	8	4	10	3	1	0	10	20	0	4	4	3	1	1	0	9	9

TABLE VIII—NUMBER OF DAYS IN JULY, 1969  
WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °C.								STATION	MINIMUM TEMPERATURE °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	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 .. ..	0	0	0	23	8	0	0	0	Edgbaston .. ..	0	0	0	2	6	17	6	0
Stornoway .. ..	0	0	0	9	22	0	0	0	Kew .. ..	0	0	0	1	6	14	9	1
Craibstone .. ..	0	0	0	4	14	12	1	0	Hastings .. ..	0	0	0	0	10	20	1	0
Rotheray .. ..	0	0	0	2	26	3	0	0	Southampton .. ..	0	0	0	1	3	18	9	0
Abbots'inch .. ..	0	0	0	0	24	6	1	0	Stonyhurst .. ..	0	0	0	2	18	8	3	0
Eskdalemuir .. ..	0	0	0	6	19	5	1	0	Bidston .. ..	0	0	0	5	15	8	3	0
Douglas .. ..	0	0	0	4	22	5	0	0	Valley .. ..	0	0	0	0	25	5	1	0
Acklington .. ..	0	0	0	3	16	11	1	0	Falmouth .. ..	0	0	0	1	17	13	0	0
Gorleston .. ..	0	0	0	1	14	13	3	0	Aldergrove .. ..	0	0	0	2	17	11	1	0
Cambridge .. ..	0	0	0	0	8	14	8	1	Armagh .. ..	0	0	0	0	15	15	1	0

TABLE XIII—SOLAR RADIATION AND ILLUMINATION, JULY, 1969

STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						DIFFUSE RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						TOTAL ILLUMINATION ON A HORIZONTAL SURFACE kilolux-hours					
	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days
Lerwick .. ..	729	31	132	1	389.5	31	413	11	131	1	253.3	31	744	31	154	1	412.0	31
Eskdalemuir .. ..	704	24	135	26	380.6	31	397	3	135	26	243.0	31	839	24	171	26	436.9	31
Cambridge .. ..	782	4	60	29	489.7	31	383	5	59	29	261.0	31	-	-	-	-	-	-
London W/Centre .. ..	721	4	53	29	473.4	31	316	3	48	29	239.4	31	870	4	78	29	578.6	31
Kew .. ..	730	4	51	29	482.9	31	339	3	49	29	248.7	31	920	4	75	29	611.9	31
Bracknell .. ..	764	4	50	29	498.9	31	368	3	50	29	260.4	31	1029	4	75	29	672.9	31
Aberporth .. ..	767	17	64	28	510.3	31	423	12	59	28	266.3	31	-	-	-	-	-	-
Aldergrove .. ..																		
Jersey Airport .. ..	799	18	132	6	607.3	31	414	10	96	19	265.8	31	924	18	183	6	723.7	31



TABLE II—ADDITIONS — July 1969 NS

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
			Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)			22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
						Dates of Occurrence	Dura- tion (hr)	No.of days	Duration in Hours					Veer from N	Speed in knots		Hour ended at day hour	Veer from N	Speed in knots	Day and Time																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
1	Aberdeen	Fraserburgh	29	13	11																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

TABLE III—ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	Max. Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPERATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days												BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
					MEANS OF		Daily Mean (mean of A & B)	Difference from 1931—50 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1916—50 average	MOST IN A DAY		Precip'n 0.2 mm or more or 1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C.	Concrete min. below 0°C.	Gale	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
					Max. (A)	Min. (B)			Maximum	Date	Minimum	Date	Amount (mm)	Late																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
					30 cm.	122 cm.			30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.			30 cm.	122 cm.															30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 cm.	122 cm.	30 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TABLE XIII—ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						DIFFUSE RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						TOTAL ILLUMINATION ON A HORIZONTAL SURFACE kilolux-hours					
			Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days
1967	October	Kew	288	18			150.4													
1968	January	Eskdalemuir							66				31.4	31	91	7			44.8	31
		London W/Centre					56.2	31					41.4	31					61.5	31
		Kew					53.5	31					42.5	31					63.4	31
	February	Lerwick													219				99.6	
		Eskdalemuir									31	4	87.8	29	354		25		172.0	
		Cambridge					109.8	29					79.7	29						
		Aberporth					165.5	29					88.9	29						
		Kew					112.4	29	18				77.3	29					121.1	29
	March	Eskdalemuir													499		46		257.3	
		Cambridge	476	26			252.9	31					135.0	31						
		Aberporth					263.8	31	249	31			139.9	31						
		London W/Centre	491	27			232.9	31					131.5	31	540	27			263.5	31
	April	Lerwick					345.3	30					192.0	30					360.9	30
		Cambridge					388.2	30					218.6	30						
		Aberporth			241	6	472.9	31					283.7	31						
	May	Cambridge			179	9	428.3													
		London W/Centre					370.9	31			108	13	226.2	31			146	13	425.7	31
	June	London W/Centre	777	13			411.3	30					236.9	30	835	13			464.7	30
	July	London W/Centre					389.4	31					257.7	31					441.9	31
		Eskdalemuir					358.0						256.4						388.0	
	August	Eskdalemuir																	431.7	31
		Kew																	361.8	
	September	Eskdalemuir					218.4						150.0		554		76	12	262.6	
		Aberporth					271.2						158.8							
		London W/Centre					249.2						154.5						296.1	
		Kew					260.3						167.1		601				315.2	
	October	Eskdalemuir													314				119.1	
	November	London W/Centre			7		63.0	30					47.9	30			11	31	76.9	30
		Eskdalemuir													192		9		64.3	
	December	Eskdalemuir													75				33.7	



# Monthly Weather Report

## OF THE METEOROLOGICAL OFFICE

*Summary of observations compiled from returns of official stations and voluntary observers.*

Volume 86 Number 8

Published by Her Majesty's Stationery Office

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### August 1969 — *Changeable with thundery spells in places*

Low pressure prevailed over the British Isles for most of the month. It was concentrated to the west or north-west until about the 20th thereafter transferring to the east or north-east.

**Weather** — During the first three weeks it was very warm at times but the last 10 days or so were cooler with mainly north-westerly winds. Thunderstorms occurred in most areas and there were a number of exceptionally heavy falls of rain locally especially in the south. Holiday traffic was frequently disrupted by temporary flooding following the heavier outbreaks of rain. On the other hand, many areas in west Scotland suffered from a water shortage.

**Wind** — Gales occurred locally on 19 days in England, 6 days in Wales and 3 days in Scotland. In general it was a quiet month and occurrences of gale-force winds were mostly localized and short-lived. However, winds became blustery in the north during the last 10 days especially in exposed areas. On the 23rd a gust of 55 kt occurred at Whitby (North Riding of Yorkshire) and a gust of 51 kt was recorded at Dounreay (Caithness) on the 27th.

**Temperature** — In Scotland, monthly mean temperature was about 1 degC above average and some places had their warmest August since 1959. In other districts mean temperature was near normal but it was slightly below average in south-west England.

The first half of the month was generally warm although nights were cool in the south. The 8th was a very warm day in most areas (the temperature reached 30.9°C at Jersey Airport) and it was hot in south-east England and East Anglia a few days later. Maxima recorded during the month included: 30.6°C at a number of places in East Anglia on the 10th and at North Heath (Sussex) on the 11th; 27.8°C on the 8th at Nairn Forres (Moray), Prestatyn (Flintshire) and Port Talbot (Glamorgan); 24.4°C at Portadown (Co. Armagh) on the 6th.

It was rather cool during the last 10 days. On the night of 23rd/24th there was slight frost in some upland areas in Scotland and ground frost was widespread in the north and occurred also in a few places farther south. Minimum temperatures recorded during the month at low-level stations included: -0.6°C at Achentoul (Sutherland), 2.5°C at Carlisle and 2.8°C at Ceinws (Montgomeryshire) all on the 24th; 1.6°C at Loughermore Forest (Co. Londonderry) on the 6th.

**Rainfall** — Most of Scotland, Northern Ireland and northern England were drier than normal. Less than half the average rainfall occurred in many parts of Northern Ireland (where it was, in general, the driest August since 1959) and in south-west Scotland. Some areas in north-east England had less than a third of the normal rainfall. The distribution of monthly rainfall in the remaining areas was very variable due to some intense local falls. The distribution in Kent provides an extreme example; in the south-west of the county rainfall was about normal, in the east it was over three times the average. Less than half the normal rainfall fell in parts of the West country.

Heavy thundery rain in Wales and the West Country on the 1st and 2nd caused flooding in some areas. A small depression brought rain on the evening of the 2nd to south-east England and spread northwards during the next day. Rain was very heavy locally and flooding occurred at places as far apart as Surrey and Staffordshire. At Hampton, in south-west London, over 96 mm of rain (nearly twice the monthly average) fell in 10 hours during which more than 31 mm occurred in 30 minutes. These falls are classified as 'remarkable' rainfalls and may be expected to occur, on average, on only one day in 40 years. At Slough (Buckinghamshire) a 'daily' fall of 97 mm was recorded on the 2nd and falls in excess of 50 mm occurred in many areas. At Norwich on the 5th, 24 mm of rain fell in 50 minutes and caused flooding in parts of the city.

Heavy rain affected many areas from the 8th to 12th. At Torquay, 25 mm fell in 30 minutes on the 8th and on the next day several places in Scotland recorded 'daily' falls of over 50 mm. On the 11th and 12th flooding occurred in many areas of England and Wales following heavy rain at Tredegar (Monmouthshire) 74 mm were recorded in the 24-hours ending 0900 GMT on the 12th. Exceptionally heavy rain fell in south-east England and East Anglia on the 15th. A 'remarkable' fall of 46 mm in 1 hour occurred at Manston (Kent); this is almost the average for the whole month. On the 16th, during a thunderstorm, a 'very rare' rainfall of nearly 78 mm occurred in two hours at Coulter Reservoir (Lanarkshire). After a showery day in Northern Ireland on the 19th a 'daily' fall of 51 mm was recorded at Glenderg Forest (Co. Tyrone).

Thunder was reported on 19 days in England, 16 days in Scotland, 6 days in Wales and 2 days in Northern Ireland. It occurred on 7 days locally in Norfolk and on 6 days at places in south-east England and in the Birmingham area; this is about twice the average number for August in these areas. Thunderstorms were sometimes widespread and lightning strikes causing damage to property and electric power installations were often reported. Despite the frequent thunder, reports of hail were not common.

**Sunshine** — In most of Scotland monthly sunshine amounts were rather above average but they were slightly below elsewhere. The least favoured area was East Anglia, and at Mildenhall (Suffolk) it was the dullest August since records began in 1936. Although Tiree (Inner Hebrides) had its dullest August since 1942, the Shetlands and parts of southern Scotland had excesses of sunshine. In the Glasgow area, where amounts were nearly 50 per cent above the normal, it was the sunniest August since 1947.

**Fog** — Hill and coastal fog occurred in many parts of Scotland during the first week and air traffic was disrupted at times. Around mid-month coastal fog was widespread in eastern areas and, on the 18th, it was extensive in exposed areas of southern and western England.

**Miscellaneous Phenomena** — The aurora was observed on 2 nights in Scotland.

### TABLE I—DISTRICT VALUES, August 1969

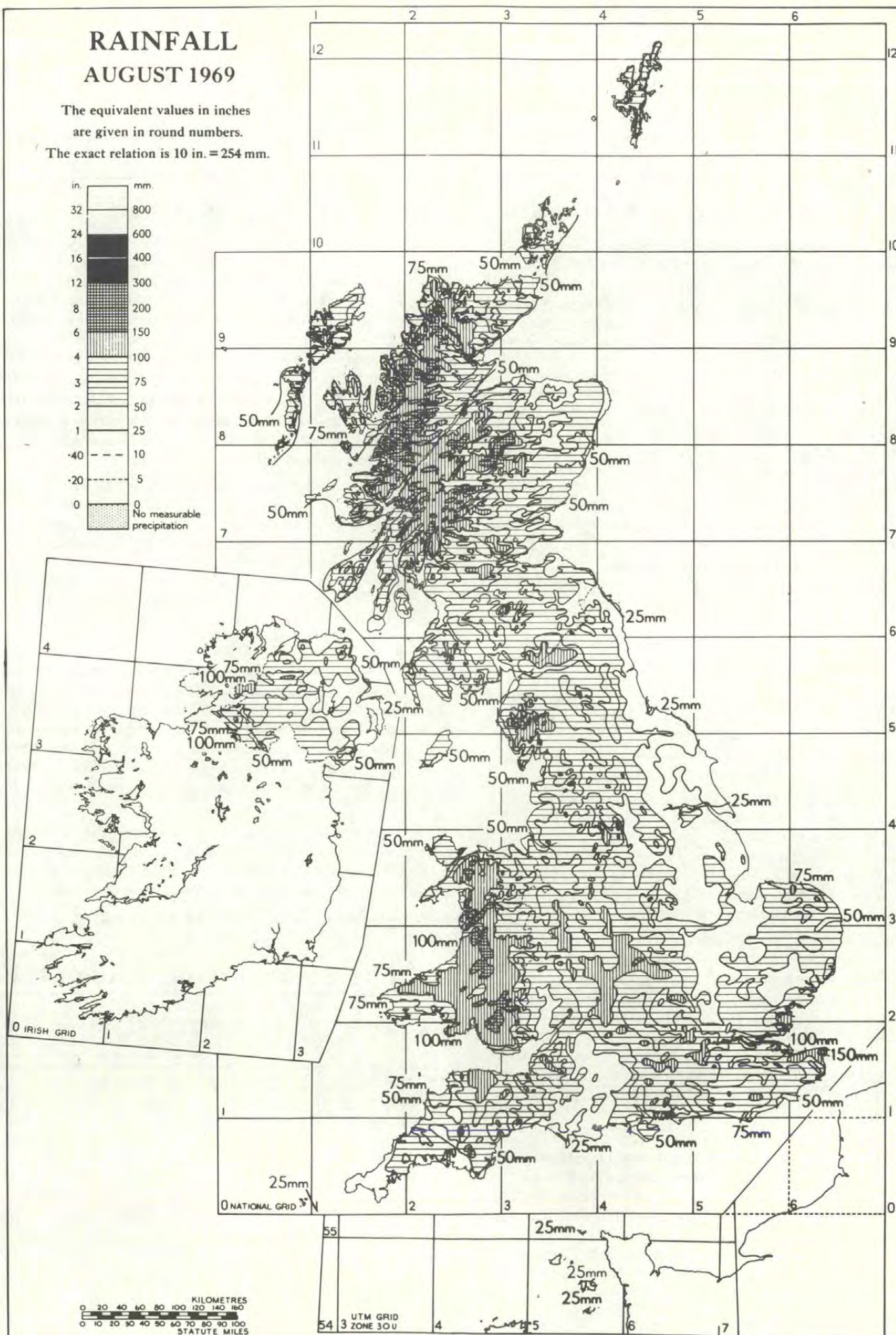
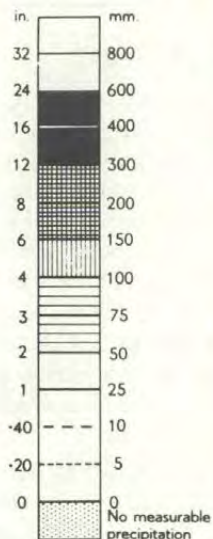
DISTRICTS	AIR TEMPERATURE °C					EARTH TEMP. °C		RAIN DAYS	RAIN-FALL	SUN-SHINE
	*Highest Max.	*Lowest Min.	Max.	Min.	Mean	Mean 30 cm.	Mean 122 cm			
	Difference from Average									
0 SCOTLAND, N.	26.1	3.5	+1.1	+1.0	+1.0	+0.6	0.0	-2	71	111
1 SCOTLAND, E.	27.8	3.9	+0.9	+1.2	+1.0	+0.7	+0.6	-3	68	109
2 ENGLAND, N.E.	28.2	3.3	-0.5	+0.6	0.0	+0.8	+0.3	-1	49	85
3 ENGLAND, E.	30.6	5.6	-0.7	+0.6	0.0	+0.3	+0.5	+3	102	76
4 MIDLANDS	28.9	5.0	-0.2	+0.9	+0.3	+0.9	+0.8	+2	98	82
5 ENGLAND, S.E.	30.2	5.3	0.0	+0.6	+0.3	+0.1	-0.1	+2	126	86
6 SCOTLAND, W.	26.6	-0.1	+0.8	+0.8	+0.8	+0.9	+0.4	-3	53	112
7 ENGLAND, N.W and N.Wales	26.4	2.8	+0.2	+0.9	+0.6	+0.2	+0.6	-2	78	87
8 ENGLAND, S.W. and S.Wales	27.2	3.3	-0.3	+0.3	0.0	+0.1	+0.2	-4	120	97
N.IRELAND	24.1	3.8	+0.1	+0.7	+0.4	-	-	-3	54	99
SCOTLAND	27.8	-0.1	+0.9	+1.0	+0.9	-	-	-3	71	111
ENG. and WALES	30.6	2.8	-0.3	+0.2	+0.2	-	-	0	95	85

\*Highest Max. and Lowest Min. of the District Value Stations.



# RAINFALL AUGUST 1969

The equivalent values in inches  
are given in round numbers.  
The exact relation is 10 in. = 254 mm.





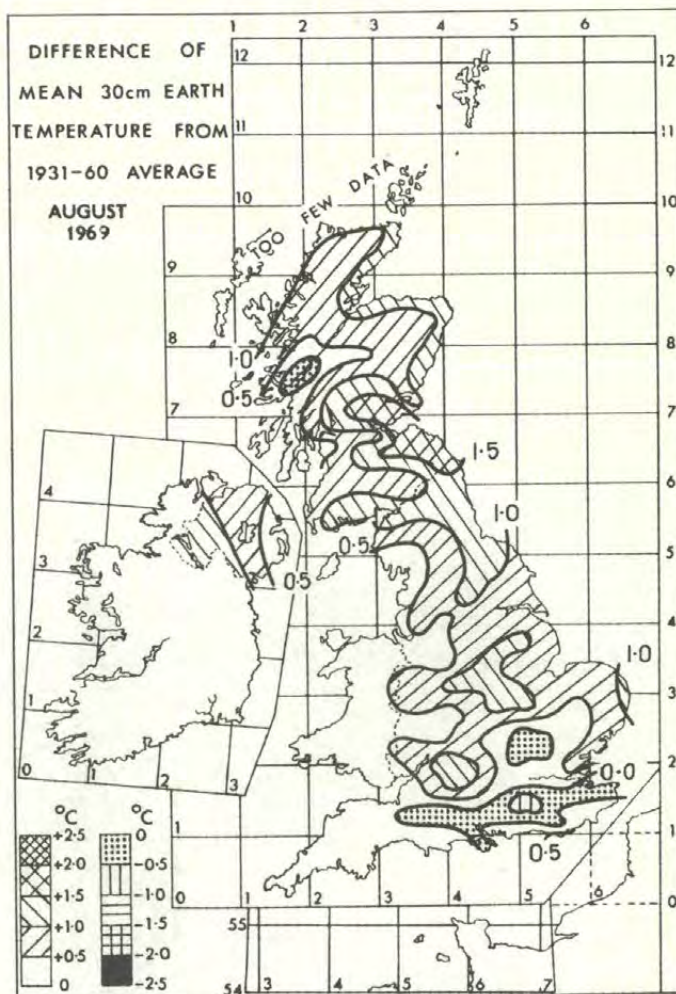
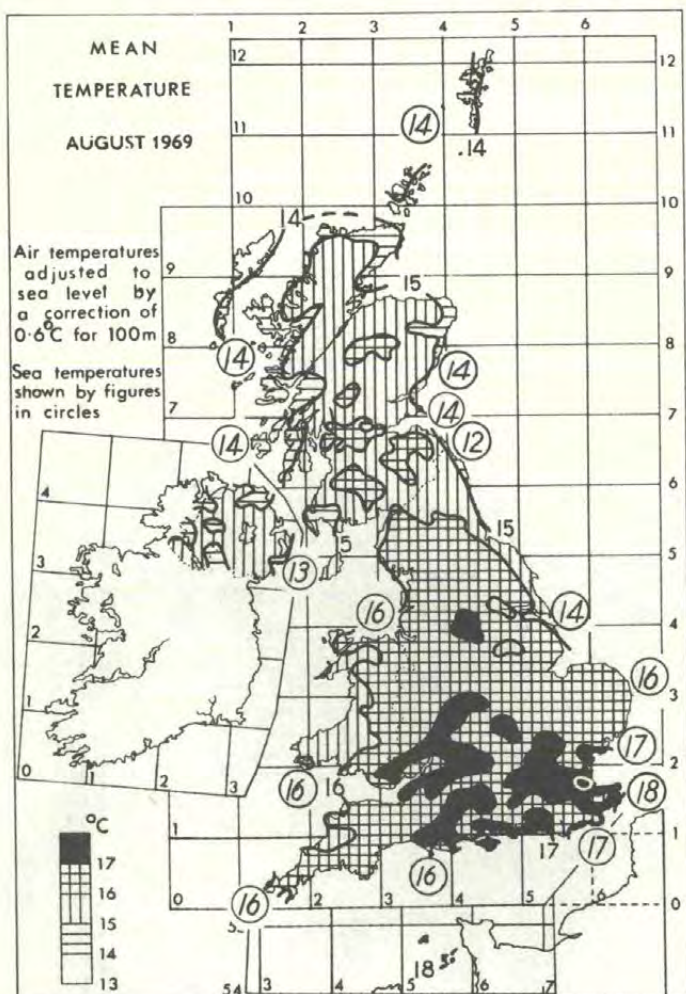
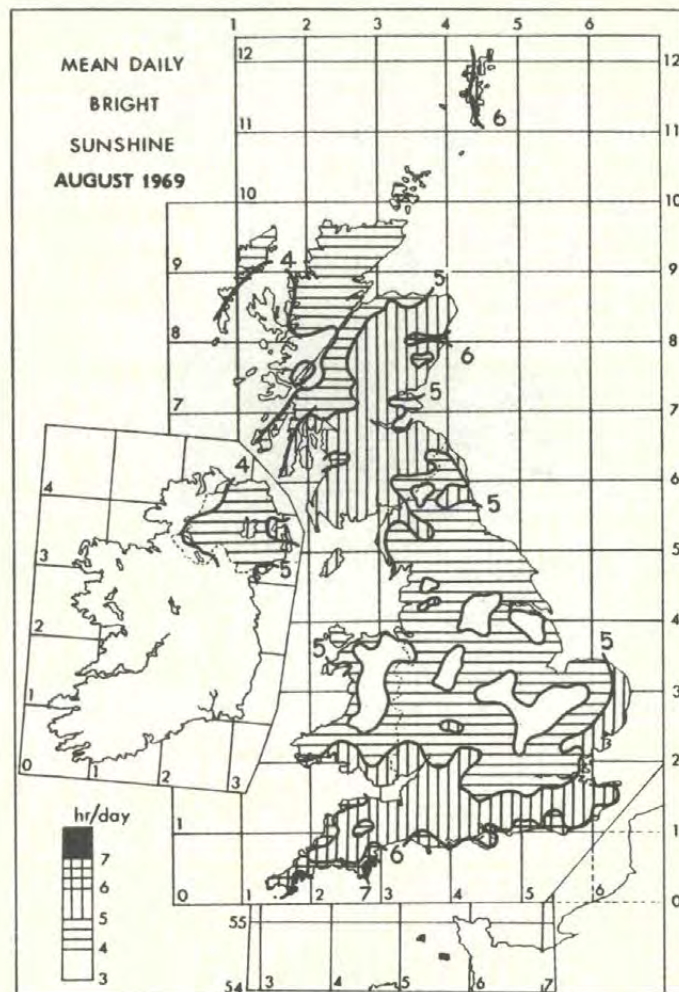
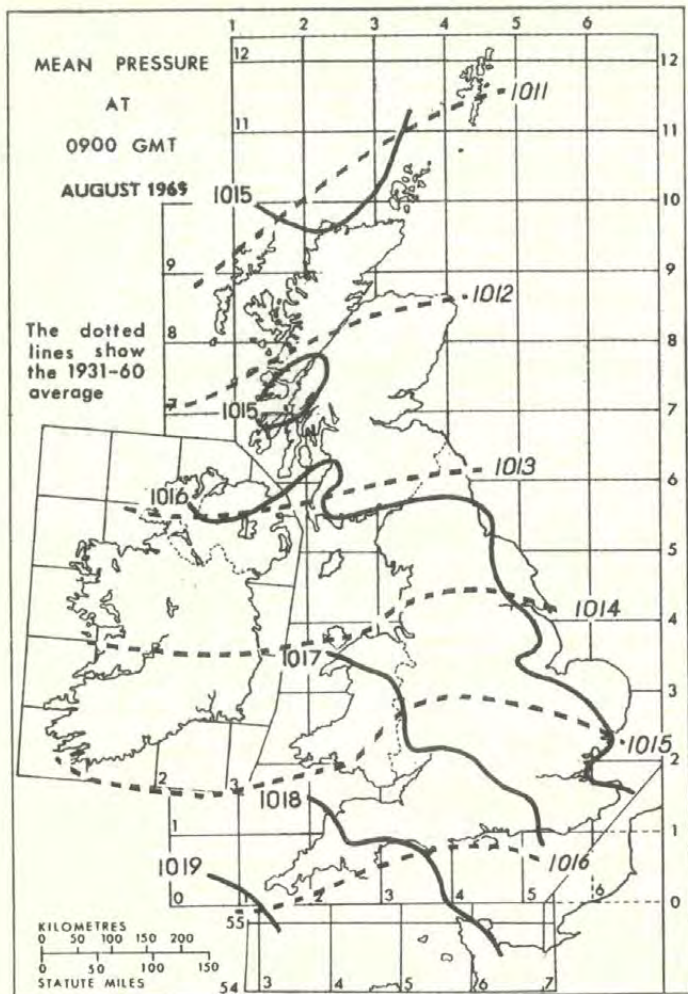




TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— AUGUST, 1969

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED								Mean Hourly Wind Speed knots	HIGHEST VELOCITIES						
			Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record		HIGHEST HOURLY WIND			HIGHEST GUST			
						Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours				Veers from N		Speed in knots	Hour ended at day hour	Veers from N	Speed in knots	Day and Time		
0 SCOTLAND, N.																					
Zetland	Lerwick	93	10	10	-	0	1	16	292	363	73	0	9.8	360	27	23	09	360	41	23	1010
Orkney	Kirkwall	41	15	10	-	0	10	69	419	216	40	0	13.1	290	26	30	15	010	38	23	0800
Caithness	Dounreay	34	12	9	-	0	14	66	391	201	86	0	12.8	170	31	27	15	170	51	27	1100
	Wick	45	10	10	-	0	4	22	334	334	54	0	11.4	310	27	27	13	300	45	27	1135
Sutherland	Shin	24	10	10	-	0	0	0	172	408	159	5	7.1	310	19	30	16	320	37	27	1525
Ross & Cromarty	Stornoway (C'G'd)	37	12	11	-	0	9	28	248	263	205	0	8.5	300	26	27	13	310	39	27	1145
Inverness	Duirinish	38	20	17	†																
	Benbecula	16	10	10	-	0	7	39	352	297	56	0	11.4	160	26	7	14	180	39	7	1415
	Corpach	23	15	12	-																
	Fort Augustus (N.S.H.E.B.)	58	16	16	-	0	0	0	75	310	359	0	4.6	210	17	30	15	210	33	8	0950
	Dalcross	21	10	10	-	0	0	0	175	344	225	0	6.7	290	18	27	15	230	30	19	1110
	Cairngorm	1074	9	9	-	0	10	80	396	222	42	4	13.0	350	31	27	08	-	46	11	1745
1 SCOTLAND, E.																					
Moray	Kinloss	17	13	13	-	0	2	4	291	348	101	0	9.3	300	24	27	14	310	35	27	1355
	Lossiemouth	31	24	18	-	0	4	25	235	392	92	0	9.6	300	26	27	17	290	38	27	0950
Aberdeen	Dyce	71	9	9	-	0	3	16	290	334	104	0	9.8	340	28	23	14	340	49	23	1315
Angus	Bell Rock	39	40	38	-	0	8	62	437	166	79	0	13.0	160	28	7	19	340	37	27	2345
Perth	Rannock	307	17	17	*	0	0	0	85	419	227	13	5.5	280	18	27	04	310	35	27	0315
	Tummel Bridge	161	16	16	-	0	0	0	243	393	108	0	8.7	350	20	23	14	310	39	27	2230
Fife	Leuchars	24	12	12	-	0	0	0	134	505	105	0	7.1	270	20	27	17	270	34	27	1640
Midlothian	Turnhouse	42	12	10	-	0	0	0													
6a SCOTLAND, W.																					
Argyll	Tiree	27	18	14	-	0	14	114	324	171	135	0	12.5	330	27	22	14	330	42	22	1715
	Machrihanish	22	12	12	-	0	5	24	385	257	78	0	11.3	320	26	22	16	310	37	22	1555
Dunbarton	Cumbernauld	166	10	10	-	0	0	0	195	395	147	7	7.8	260	20	27	17	210	30	5	1615
Renfrew	Paisley	57	25	9	-	0	0	0	149	385	210	0	6.5	320	17	22	18	270	31	19	1405
	Abbotsinch	16	10	10	-	0	0	0	171	432	141	0	7.6	300	18	22	16	290	31	27	1110
Larnark	Lowther Hill	736	13	10	**																
Ayr	Hunterston	12	9	9	*																
	Prestwick	21	10	10	-	0	0	0	227	383	134	0	8.0	330	20	22	16	290	32	25	0945
Dumfries	Eskdalemuir	259	10	10	27	1	1	8	147	353	235	0	6.8	300	34	27	08	300	49	27	0730
Wigtown	West Freugh	25	10	10	-	0	3	3	377	269	95	0	10.1	310	23	27	14	310	35	27	1330
6b ISLE OF MAN																					
	Ronaldsway	25	10	10	-	0	3	11	317	289	127	0	9.4	320	24	22	17	320	36	22	2155
	Point of Ayre	20	10	10	-	0	8	78	332	268	66	0	12.2	290	30	27	19	290	40	27	1815
2 ENGLAND, N.E.																					
Durham	Durham	119	16	10	-	0	0	0	154	429	161	0	6.8	330	20	28	18	040	38	23	0945
	South Shields	22	17	13	-	0	1	2	144	329	269	0	6.5	340	22	23	09	350	36	23	0955
Yorks N.R.	Leeming	42	10	10	-	0	0	0	131	396	217	0	6.4	320	19	25	10	230	36	11	1520
	Middlesbrough	23	19	19	-	0	2	17	277	304	146	0	9.2	360	28	23	10	360	37	23	0910
Yorks E.R.	Leconfield	18	10	10	†																
Lincoln	Cranwell	76	12	12	-	0	0	0	112	475	157	0	6.6	250	18	20	15	350	30	23	1140
	Binbrook	118	10	10	-	0	1	3	201	454	86	0	8.4	340	23	23	18	350	36	23	1720
	Manby	26	10	10	-	0	0	0	170	458	116	0	7.6	350	20	29	14	350	30	29	1305
3 ENGLAND, E.																					
Norfolk	Marham	33	10	10	-	0	0	0	139	487	118	0	7.2	350	20	23	13	350	30	23	1320
	Watton	71	12	10	-	0	2	4	275	438	27	0	9.7	350	23	23	13	350	40	23	1315
	Coltishall	29	10	10	-	0	0	0	169	401	174	0	7.2	340	18	23	18	330	32	24	0925
	Gorleston	16	13	13	*																
Suffolk	Mildenhall	30	25	18	-	0	0	0	57	302	385	0	4.4	350	17	23	13	350	32	23	1255
Bedford	Bedford	98	13	9	-	0	0	0	167	490	87	0	7.9	300	20	27	16	310	31	27	1555
	Cardington	69	41	41	-	0	0	0	206	482	56	0	8.3	240	21	20	16	350	31	23	1045
Hertford	Garston	94	15	10	-	0	0	0	37	421	286	0	4.9	330	14	25	12	340	28	25	1240
	Rothamsted	141	13	10	-	0	0	0	13	453	278	0	4.6	310	13	27	16	330	30	25	1030
Essex	Stansted	107	9	9	-	0	0	0	171	414	159	0	7.1	310	19	25	14	260	32	20	1535
	Shoeburyness	36	32	28	-	0	2	2	444	256	42	0	11.2	210	23	3	05	330	33	29	1405
4 MIDLAND COUNTIES																					
Yorks W.R.	Sheffield	162	25	11	*																
	Church Fenton	18	10	10	-	0	0	0	158	432	144	10	7.5	320	21	27	15	320	33	27	1510
Notts.	Watnall	130	13	10	-	0	0	0	80	522	142	0	6.5	350	16	23	10	360	33	23	0945
	Finningley	19	10	10	-	0	0	0	124	392	228	0	6.1	360	19	23	11	330	30	21	1355
Rutland	Cottesmore	122	12	10	-	0	0	0	176	493	75	0	8.1	280	21	27	14	270	35	27	1625
N'hampton	Wittering	87	11	11	**																
Warwick	Edgbaston	196	36	22	-	0	0	0	52	452	240	0	5.0	310	17	27	16	310	35	27	1540
	Elmdon	105	9	9	-	0	4	13	203	492	36	0	9.0	320	25	27	13	320	39	28	0025
Oxford	Brize Norton	91	13	10	-	0	0	0	151	455	138	0	7.3	330	19	25	13	300	31	9	0425
	Keele	215	15	10	-	0	0	0	73	420	251	0	5.5	310	16	27	20	320	40	27	1815
Stafford	Pershere	47	10	10	-	0	1	1	171	403	169	0	7.5	340	22	26	17	260	41	20	1610
Gloucester	Avonmouth	28	19	10	†																
5 ENGLAND, S.E.																					
Greater London	London/W.Centre	93	70	38	-	0	0	0	190	483	71	0	8.4	340	18	23	17	340	32	23	1620
	Heathrow	35	10	10	-	0	0	0	184	507	53	0	8.0	310	18	25	18	300	30	22	1540
	Hampton	42	31	30	-	0	0	0	123	381	240	0	5.9	250	19	20	15	300	35	22	1600
	Kew	28	23	15	-	0	0	0	47	390	307	0	4.8	240	14	12	17	010	33	23	1455
Surrey	Gatwick	69	10	10	-	0	0	0	71	483	190	0	6.0	270	16	20	17	280	30	20	1520
Kent	Isle of Grain	15	12	10	-	0	0	0	193	407	144	0	7.5	340	17	29	15	300	33	21	1430
	Dover	21	12	19	-	0	0	0	49	389	280	26	5.0	240	15	12	18	230	32	12	1640
	Manston	61	17	17	-	0	0	0	336	347	61	0	9.7	360	21	23	18	270	35	20	1345
Sussex	Thorney Island	16	10	10	-	0	0	0	189	444	111	0	7.8	240	19	12	18	250	28	12	1535
Berkshire	Abingdon	90	12	12	-	0	0	0	95	478	171	0	6.5	250	16	20	14	250	26	20	1730
Hampshire	Hurn	23	13	11	-	0	0	0	157	436	151	0	7.2	320	18	25	18	290	27	26	1230
	Calshot	15	13	10	-	0	0	0	261	427	56	0	9.0	340	18	23	13	340	31	23	1135
	S. Farnborough	97	21	11	†																



TABLE II (continued)—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— AUGUST, 1969

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES		DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES					
			Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST				
						Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours				Veer from N	Speed in knots		Hour ended at day hour	Veer from N	Speed in knots	Day and Time		
5. ENGLAND, S.E. — contd.																					
Wiltshire Larkhill ... ..		145	13	10	-	0	0	0	165	437	142	0	7.5	290	17	26	17	290	31	26	1600
Boscombe Down ... ..		130	16	16	-	0	1	2	225	427	90	0	8.5	320	23	26	17	320	34	26	1625
Porton ... ..		120	10	10	-	0	0	0	202	407	135	0	7.9	320	19	26	17	330	28	26	1635
7a ENGLAND, N.W.																					
Cumberland Sellafield ... ..		25	12	11	-	0	0	0	183	424	137	0	7.4	320	19	27	15	320	30	27	1520
Carlisle ... ..		42	13	9	-	0	0	0	132	332	280	0	6.0	290	18	27	13	290	31	27	1413
Spadeadam ... ..		292	16	15	-	0	0	0	120	400	217	7	6.5	360	18	23	09	360	32	23	0840
Westmorland Great Dun Fell ... ..		857	10	10	23, 24	4	17	128	397	196	19	0	14.7	010	36	23	09	280	47	27	1135
Lancashire Squires Gate ... ..		26	16	11	-	0	5	44	345	313	42	0	11.7	250	28	20	15	310	40	27	2000
Aigburth ... ..		38	23	11	-	0	1	3	201	391	149	0	7.7	320	23	27	33	320	43	27	2215
Southport ... ..		19	14	11	-	0	5	22	177	242	303	0	7.2	330	30	27	21	330	45	27	2010
Fleetwood ... ..		34	15	9	27	4	4	35	175	285	245	0	8.0	320	37	27	20	320	48	27	1825
Speke ... ..		30	10	10	-	0	1	1	264	394	85	0	9.1	300	22	27	18	300	37	27	1545
Manchester/ W. Centre ... ..		82	45	17	-	0	0	0	142	486	105	11	7.5	300	21	27	15	300	40	27	1650
Cheshire Bidston ... ..		80	20	12	-	0	7	56	230	393	65	0	-	300	29	27	22	300	48	28	0115
Ringway ... ..		80	10	10	-	0	1	7	178	430	129	0	7.8	300	25	27	18	300	36	27	1615
7b NORTH WALES																					
Anglesey Valley ... ..		26	16	12	-	0	11	50	362	224	108	0	11.6	170	26	4	01	180	36	4	1110
8a SOUTH WALES																					
Cardigan Aberporth ... ..		135	13	11	-	0	7	32	344	273	95	0	10.6	330	25	28	02	330	37	28	0050
Pembroke Milford Haven C.B. ... ..		47	10	10	-	0	0	0	270	369	105	0	8.5	150	18	3	21	290	31	26	1245
Brawdy ... ..		130	20	14	-	0	3	10	256	283	195	0	8.2	310	26	20	17	310	37	20	1630
Glamorgan Port Talbot ... ..		28	12	11	-	0	1	1	293	326	124	0	8.6	270	22	12	17	280	35	26	1120
Rhose ... ..		78	11	10	-	0	1	1	293	326	124	0	8.6	270	22	12	17	280	35	26	1120
8b ENGLAND, S.W.																					
Dorset Portland Bill C.G. ... ..		61	13	-	-	0	7	24	425	248	47	0	12.2	310	25	26	14	320	37	26	1310
Devon Mount Batten ... ..		64	13	13	-	0	1	3	239	441	61	0	8.9	290	23	26	14	290	35	26	1255
Chivenor ... ..		19	13	10	-	0	2	3	269	338	134	0	8.7	280	23	26	13	300	34	12	0845
Cornwall Scilly ... ..		70	20	17	-	0	1	1	186	356	201	0	7.0	290	22	26	16	300	34	26	1630
Lizard ... ..		96	23	18	-	0	1	1	186	356	201	0	7.0	290	22	26	16	300	34	26	1630
St. Mawgan ... ..		119	12	12	-	0	2	7	379	305	53	0	10.8	290	25	26	16	290	33	26	1610
9 NORTHERN IRELAND																					
Londonderry Ballykelly ... ..		13	12	10	-	0	0	0	355	278	111	0	9.9	300	21	26	10	350	31	23	0305
Antrim Aldergrove ... ..		80	10	10	-	0	0	0	330	335	79	0	9.4	310	19	26	13	290	29	25	1110
Ballypatrick Forest ... ..		166	13	13	-	0	5	25	503	146	70	0	12.3	310	24	27	16	310	42	25	0235
Belfast Harbour ... ..		21	18	18	-	0	4	10	429	230	74	1	10.9	320	25	22	16	300	38	26	0835
Down Kilkeel ... ..		35	18	18	-	0	3	7	330	260	136	11	9.5	160	25	4	01	310	38	27	0650
Orlock Head ... ..		51	16	12	-	0	7	39	431	221	53	0	12.3	330	28	23	05	300	41	25	1425
Armagh Glenanne ... ..		144	10	10	-	0	0	0	220	362	162	0	7.4	300	18	26	13	310	28	26	1345
Portadown ... ..		26	10	10	-	0	0	0	209	349	165	21	7.4	310	20	26	13	320	36	26	1310
Tyrone Carrigans ... ..		129	10	10	-	0	0	0	209	349	165	21	7.4	310	20	26	13	320	36	26	1310
Fermanagh Castle Archdale Forest ... ..		80	13	13	-	0	0	0	278	359	107	0	8.4	160	21	7	11	160	33	7	1005
CHANNEL ISLES																					
Jersey Airport ... ..		109	26	15	-	0	6	28	403	296	17	0	12.0	280	31	26	16	280	41	26	1550

† Anemograph dismantled for re-erection. • Defective record. ‡ Record ceased. § Incomplete record. ¶ Anemograph out of order. \*\* Record ceased temporarily.

TABLE III —SUMMARY OF DAILY OBSERVATIONS AUGUST, 1969

DISTRICT, COUNTY AND PLACE	Max. Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE						
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-50 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1910-50 average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-50 average	Exposure		
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date	Amount (mm)	Date			0.2 mm or more	1.0 mm or more																	
			0	SCOTLAND, N.										30 cm.	122 cm.																		
	Zetland																																
	Hamnavoe ...	9.9	21	16.4	11.9	14.1	-	20.6	1.13	9.4	22.25.28	-	-	41	-	7	17	20	16	0	0	0	0	0	0	1	0	-	-	1	6.36	-	-
	Lerwick ...	21.9	82	15.6	11.0	13.3	+1.2	18.5	1	8.0	26	-	-	49	65	8	20	18	12	0	0	0	0	0	2	0	0	0	0	5.11	135	-	-
	Baltasound ...	9.9	24	16.4	10.8	13.6	-	19.4	2	6.7	26	12.6	-	36	49	6	24	13	9	0	0	0	0	0	0	0	-	-	0	5.91	-	-	
	Orkney																																
	Sule Skerry ...	21.9	13	15.3	11.4	13.3	-	18.2	5	8.0	24	-	-	70	-	38	9	17	10	0	0	0	0	1	2	0	0	0	0	-	-	-	
	Stenness ...	9.9	23	16.6	11.3	13.9	-	20.0	5.14	2.8	24	13.2	11.3	49	62	13	9	20	13	0	0	0	0	1	0	0	1	-	2	4.51	-	-	
	Kirkwall ...	21.9	26	16.2	11.2	13.7	+1.1	19.4	14	4.7	24	-	-	64	87	15	9	19	16	0	0	0	0	2	1	0	0	0	0	4.13	113	-	-
	Caithness																																
	Dounreay ...	9.9	21	17.3	11.4	14.3	-	22.8	8.9	3.9	24	-	-	50	-	12	8	17	12	0	0	0	0	1	3	0	0	-	0	4.16	-	-	-
	Wick ...	21.9	36	16.2	11.2	13.7	+1.0	19.1	10	3.5	24	-	-	59	89	27	9	17	12	0	0	0	0	4	3	0	0	0	0	4.25	98	-	-
	John O'Groats ...	9.9	30	15.8	11.1	13.5	-	19.4	18	3.9	24	-	-	59	-	12	19	17	15	0	-	0	0	3	4	0	0	-	0	4.24	-	-	-
	Sutherland																																
	Cape Wrath ...	21.9	112	15.8	11.3	13.5	+0.8	24.6	8	7.0	24	-	-	81	80	25	9	20	14	0	0	0	0	3	2	0	0	0	1	4.58	-	-	-
	Achnary ...	9.9	85	18.4	10.5	14.5	-	22.8	8	0.6	24	15.1	12.8	115	140	36	9	15	11	0	0	0	0	5	0	0	2	-	0	4.44	-	-	-
	Strathly ...	9.9	37	18.1	11.0	14.5	+1.6	25.6	8	2.8	24	-	-	63	70	18	8	20	12	0	0	0	0	4	1	0	-	-	0	4.03	103	-	-
	Achentoul ...	9.9	137	18.3	10.2	14.3	-	23.9	8	-0.6	24	-	-	69	-	15	9	19	13	0	0	0	0	2	1	1	1	-	0	4.62	-	-	-
	Ross & Cromarty																																
	Stornaway ...	21.9	3	16.6	11.1	13.9	+0.6	20.6	14	3.9	24	-	-	52	61	6	2	17	13	0	0	0	0	1	0	0	1	0	0	4.61	108	-	-
	Balmacra ...	9.9	4	18.2	11.7	14.9	-	22.8	1	(5.0)	24	-	-	95	-	16	8	22	19	0	0	0	0	1	0	0	-	-	0	-	-	-	
	Poolewe ...	9.9	6	18.4	12.2	15.3	-	23.9	8	6.1	24	-	-	104	83	17	8	18	16	0	-	0	0	1	0	0	0	-	0	4.03	-	-	S
	Rudh Re ...	21.9	16	16.2	12.0	14.1	-	21.3	8.14	7.0	24	-	-	-	-	-	-	-	0	0	0	0	2	1	0	0	0	0	-	-	-	-	
	Inverpoll ...	9.9	14	18.6	11.4	15.0	-	26.1	8	4.4	24	14.3	-	91	84	35	9	20	18	0	0	0	0	0	0	0	-	0	0	-	-	-	
	Achnashellach ...	9.9	67	18.7	10.8	14.7	+1.2	26.1	8	2.8	24	-	-	101	60	14	9	18	17	0	0	0	0	1	0	0	-	-	0	-	-	-	
	Kinlochewe ...	9.9	23	19.1	10.9	15.0	+0.7	26.1	1.8	2.8	24	14.7	-	104	65	14	19	19	16	0	0	0	0	1	0	0	1	-	0	-	-	S	
	Knockanrock ...	9.9	244	18.8	10.6	13.7	-	24.4	11	4.4	24	-	-	125	-	(30)	9	23	17	0	0	0	0	0	0	1	-	1	-	-	-	-	
	Strathconan ...	9.9	107	18.6	10.0	14.3	-	24.4	8	1.1	24	-	-	99	-	29	9	19	16	0	0	0	0	2	-	1	-	0	-	-	-	-	
	Fortrose ...	21.9	5	18.3	12.6	15.5	+1.3	26.1	8	7.2	24	-	-	46	71	12	9	15	10	0	0	0	0	2	0	-	-	0	4.32	101	-	-	
	Tarbatness ...	21.9	18	17.3	12.2	14.7	+1.0	22.0	5	5.0	24	-	-	60	106	19	8	18	7	0	0	0	0	3	2	0	-	0	-	-	-	-	



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS AUGUST, 1969

DISTRICT, COUNTY AND PLACE		Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPERATURE °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
					MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						30 cm.	122 cm.	Total fall (mm.)	Percentage of 1910-50 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
					Max. (A)	Min. (B)			Maximum	Date	Minimum	Date	Amount (mm.)	Date																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
0 SCOTLAND, N. -contd.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS AUGUST, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE				
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1911-60 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date															
1 SCOTLAND, E. — contd.																																
Berwick — contd.																																
Marchmont ...	99	152	19.4	11.1	15.3	+1.2	24.4	11	5.6	24	-	-	30	36	7	21	13	10	0	0	0	0	4	2	0	-	-	0	4.98	109	S	
Whitchester ...	99	255	18.6	10.3	14.5	-	23.3	11	3.3	24	-	-	47	49	10	21	18	10	0	0	0	0	3	-	0	-	-	0	-	-	-	-
St. Abb's Head ...	99	75	16.4	11.8	14.1	-	21.3	5	8.9	24	-	-	-	-	-	-	-	-	0	0	0	0	0	4	0	0	-	1	-	-	-	-
Peebles																																
Stanhope Farm ...	99	226	18.6	10.1	14.3	-	(23.3)	8	0.0	24	-	-	69	67	(10)	9	17	14	0	0	0	0	2	0	0	1	-	0	-	-	-	-
Blyth Bridge ...	99	253	18.5	10.4	14.5	-	23.9	8	1.1	24	-	-	57	65	10	9	14	12	0	0	0	0	3	0	0	2	-	0	5.32	-	-	-
West Lynton ...	99	244	18.7	9.3	14.0	-	23.9	8	-0.6	24	15.5	14.3	55	55	12	21	16	10	0	0	0	0	1	1	1	1	-	0	-	-	-	-
Glentress ...	99	177	20.1	10.3	15.2	-	25.0	7	0.6	24	-	-	61	84	11	9	14	12	-	0	-	-	-	-	0	0	-	-	-	-	-	-
Selkirk																																
Bowhill ...	99	183	19.8	10.1	14.9	-	25.6	8	1.7	24	-	-	59	71	12	3	14	11	0	0	0	0	2	0	0	-	-	0	-	-	-	-
Galashiels ...	99	198	18.8	10.7	14.7	-	23.9	8	2.8	24	-	-	61	-	15	20	15	10	0	0	0	1	3	1	0	0	-	0	5.55	-	-	-
Roxburgh																																
Wauchope ...	99	171	19.5	10.2	14.9	-	24.4	11	3.9	24	-	-	50	51	9	3	13	9	0	0	0	0	2	3	0	-	-	0	-	-	-	-
Kelso ...	99	35	20.3	11.3	15.8	-	26.7	11	3.3	24	-	-	37	-	9	21	11	9	0	0	0	0	2	1	0	1	-	0	4.76	-	-	-
Sourhope ...	99	219	19.4	10.9	15.1	+1.5	25.0	10, 11	2.8	24	-	-	-	-	-	-	-	0	0	0	0	1	1	0	1	-	0	5.08	-	-	-	-
6a SCOTLAND, W.																																
Argyll																																
Tiree ...	21-9	9	16.4	11.7	14.1	+0.3	20.3	13	7.7	3, 24	-	-	54	58	9	25	14	10	0	0	0	0	0	0	0	0	0	0	3.69	70	-	-
Rhuvaal ...	21-9	20	16.4	12.3	14.3	-	20.4	8	9.4	24	-	-	65	54	21	19	15	11	0	0	0	0	1	1	0	0	0	1	-	-	-	-
Colonsay ...	99	27	17.0	11.2	14.1	0.0	20.6	13	7.8	24	-	-	39	35	8	19	13	9	0	-	0	0	1	4	0	-	-	0	-	-	-	-
Aros ...	99	37	18.3	10.9	14.6	-	23.9	1, 13	3.3	24	-	-	70	-	18	19	16	13	0	0	0	0	0	0	0	-	-	0	-	-	-	-
Craighouse ...	99	3	17.6	11.6	14.6	-	(22.2)	13	8.3	5, 24	-	-	66	-	18	19	17	15	-	-	-	-	-	0	0	-	-	-	-	-	-	-
Machrihanish ...	21-9	10	17.5	11.8	14.7	-	22.2	8	6.0	24	-	-	26	-	5	25	13	9	0	0	0	0	1	0	0	0	0	0	5.23	-	-	-
Campbeltown ...	99	3	18.2	11.9	15.1	-	22.2	10	7.2	24	-	-	22	-	6	25	12	7	0	0	0	0	0	1	0	-	-	0	5.36	-	-	-
Achaglachgach ...	99	12	18.7	9.1	13.9	-	22.8	13	2.2	24	-	-	51	43	13	19	13	12	0	-	0	0	0	0	0	-	-	0	-	-	-	-
Knapdale Forest ...	99	40	18.2	11.0	14.6	-	22.2	1, 2, 13	3.9	24	-	-	47	-	12	19	17	9	0	0	0	0	0	0	0	1	-	0	-	-	-	-
Glenbranter ...	99	24	18.5	11.2	14.9	-	23.9	8	3.3	24	-	-	106	-	31	19	17	15	-	-	-	-	-	0	0	0	-	-	-	-	-	-
Glen Etive ...	99	24	19.3	11.3	15.3	-	24.4	8, 13	1.7	24	-	-	125	-	24	3	16	15	0	0	0	0	2	-	0	1	-	0	-	-	-	-
Benmore Y.B.G. *	99	12	18.9	11.5	15.2	-	23.3	7	4.4	24	-	-	101	56	28	8	18	15	0	0	0	0	2	1	0	1	-	0	-	-	-	-
Bute																																
Kildonan ...	21-9	18	18.0	12.5	15.3	-	21.6	1	8.5	24	-	-	48	-	15	8	18	12	0	-	0	0	1	1	0	0	0	0	5.55	-	-	-
Brodrick Castle ...	99	15	19.4	11.8	15.6	-	22.8	8	6.7	24	17.5	-	38	-	5	9	16	10	0	0	0	0	1	0	0	0	-	0	-	-	-	-
Rothsay ...	99	43	18.9	12.1	15.5	+1.2	23.3	8	6.7	24	15.1	13.4	47	39	18	8	16	12	0	0	0	0	1	0	0	0	-	0	5.69	125	-	-
Dunbarton																																
Finnart ...	99	15	19.3	12.6	15.9	-	22.8	7, 8, 13	6.1	24	-	-	84	-	38	8	13	10	-	0	-	-	-	-	-	-	-	-	-	-	-	-
Helensburgh ...	99	89	19.3	11.4	15.3	+1.0	23.3	15	5.6	24	-	-	99	79	22	19	15	12	0	-	0	0	0	0	0	-	-	0	5.08	120	S	-
Sloy ...	21-9	12	19.2	12.0	15.6	-	23.9	8	4.5	24	-	-	143	-	31	3	17	12	0	-	0	0	3	0	0	-	-	0	-	-	-	-
Cumbernauld ...	99	94	19.7	10.6	15.1	-	25.0	8	2.8	24	-	-	90	-	13	16	17	12	0	0	0	0	0	0	0	-	-	0	-	-	-	-
Stirling																																
Earl's Hill ...	21-9	335	17.3	9.9	13.6	-	23.0	8	3.9	24	-	-	85	-	18	9	16	11	0	-	1	0	3	7	0	0	0	2	5.26	-	-	-
Stirling ...	99	46	20.1	12.1	16.1	+1.1	24.4	7, 8, 30	5.0	24	17.5	14.3	68	77	13	9	20	12	0	0	0	0	2	1	0	0	-	0	5.15	-	-	-
Falkirk Swge. Wks. ...	99	3	20.1	11.9	16.0	-	24.4	7, 8	3.9	24	-	-	72	-	20	9	18	10	0	0	0	0	3	0	0	-	-	0	5.17	-	-	-
Grangemouth ...	99	4	20.4	12.3	16.3	-	25.6	7, 8	(4.4)	24	-	-	98	-	36	9	16	14	0	0	0	0	1	3	0	0	-	0	-	-	-	-
Renfrew																																
Greenock ...	99	61	18.8	12.6	15.7	+0.9	23.9	8	7.2	24	-	-	70	60	21	8	18	12	0</													



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS AUGUST, 1969

DISTRICT, COUNTY AND PLACE		Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE				
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1910—50 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at thr.	Hail	Ice Pellets etc.	Thunder heard	Fog at thr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date	Amount (mm)	Date			0.2 mm or more	1.0 mm or more															
				Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	30 cm.	122 cm.																			
6b	ISLE OF MAN																															
	Ronaldsway ...	21-9	17	17.7	12.6	15.1	-	20.5	7	9.6	24	-	-	46	61	13	8	15	11	0	0	0	0	3	1	0	0	0	5.29	-	-	
	Douglas ...	9 9	87	17.5	12.3	14.9	+0.3	21.1	8	8.9	24	-	-	51	52	12	11	15	12	0	0	0	0	2	2	0	0	-	5.54	95	-	
	Point of Ayre ...	21-9	9	18.6	12.7	15.6	-	23.8	8	9.0	6	-	-	51	75	23	8	14	10	0	0	0	0	1	3	0	0	-	5.84	-	-	
2	ENGLAND, N.E.																															
	Northumberland																															
	Kielder Castle ...	9 9	201	18.9	9.6	14.3	-	25.0	11	0.0	24	15.6	-	57	48	9	19	14	11	0	0	0	0	2	4	0	1	-	0	-	-	
	Haydon Bridge ...	9 9	79	19.9	11.3	15.6	-	26.7	11	3.3	24	17.1	16.0	53	-	9	3	17	13	0	0	0	0	2	0	0	0	-	0	-	-	
	Corbridge ...	9 9	49	20.1	10.4	15.3	-	26.7	11	3.3	24	-	-	46	-	8	11	15	10	0	0	0	0	2	0	0	0	-	0	-	-	
	Berwick-on-Tweed †	9 9	23	17.5	11.6	14.5	+0.3	20.6	5	5.6	24	-	-	29	43	6	11	12	9	0	0	0	0	3	2	0	0	-	5.12	103	-	
	Acklington ...	21-9	42	18.5	10.9	14.7	+0.6	23.0	9	5.7	24	-	-	41	58	16	11	12	8	0	0	0	0	5	2	0	0	0	4.90	-	-	
	Tynemouth §§	21-9	29	17.0	12.4	14.7	-0.2	22.4	5	7.6	24	-	-	47	61	21	20	8	7	0	0	0	0	3	3	0	0	-	4.44	94	-	
	Seahouses ...	21-9	11	17.3	11.6	14.5	-	22.1	18	8.0	24	-	-	19	-	5	3	11	7	0	0	0	0	2	6	0	0	0	5.36	-	-	
	Durham																															
	Chopwellwood ...	9 9	136	19.3	11.4	15.3	+0.6	26.7	11	5.6	24	-	-	62	80	22	11	15	9	0	0	0	0	1	1	0	0	-	0	-	-	
	Upshaw College ...	9 9	181	19.9	11.1	15.5	+0.7	26.7	11	6.1	27.31	-	-	37	50	9	21	15	10	0	0	0	0	2	0	0	0	-	4.49	97	-	
	Houghall ...	9 9	37	19.9	11.1	15.5	+0.9	26.7	11	6.7	24	16.7	14.4	36	52	8	21	12	10	-	0	-	-	3	0	0	-	-	4.53	95	-	
	Durham §§€	9 9	102	19.9	11.7	15.8	+0.9	26.7	11	6.7	24	16.7	14.4	36	52	8	21	12	10	-	0	-	-	3	0	0	-	-	4.53	95	-	
	Hartlepool ...	9 9	9	18.9	12.6	15.7	-	23.3	8	8.3	24	-	-	22	33	7	21	9	6	0	0	0	0	0	1	0	-	0	4.60	-	-	
	Yorks., N. Riding																															
	Leeming ...	21-9	32	20.3	12.2	16.3	-	27.4	11	6.6	24	-	-	63	-	19	11	16	11	0	0	1	0	3	1	0	0	0	4.41	-	-	
	York (Heslington) ...	9 9	20	20.2	12.5	16.3	-	26.7	11	8.9	24	17.1	15.9	25	-	6	21	14	10	-	0	-	-	-	0	0	0	-	4.45	-	-	
	Ampleforth ...	9 9	95	19.5	12.1	15.8	+0.7	26.1	11	7.8	24	-	-	22	29	7	22	11	6	0	-	0	0	0	0	0	0	-	0	-	-	
	Redcar ...	9 9	8	19.2	12.4	15.8	-	28.9	11	8.3	27	-	-	28	43	9	22	13	7	-	0	-	-	-	0	0	-	-	4.56	-	-	
	Pickering ...	9 9	44	20.3	11.4	15.9	-	27.4	11	4.9	27	-	-	19	-	7	22	7	4	0	0	0	0	1	0	0	-	0	-	-	-	
	Whitby ...	9 9	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Scarborough ...	9 9	36	-	12.8	-	-	-	-	8.9	27	16.6	15.1	25	38	8	22	8	6	-	0	-	-	-	5	0	0	-	0	4.78	93	-
	Silpho Moor ...	9 9	203	18.0	11.0	14.5	-	24.4	11	7.2	22.23	15.2	-	37	43	11	22	16	8	0	0	0	0	0	3	0	0	-	0	4.75	-	-
	Whitby Coast Guard	21-9	63	17.7	12.3	15.0	-	25.5	9	8.5	27	-	-	21	-	5	21	8	6	0	0	0	0	2	5	0	0	0	2	-	-	-
	Yorks., E. Riding																															
	High Mowthorpe ...	9 9	175	19.1	-	-	-	24.4	10	-	-	16.1	-	22	30	11	22	6	5	0	0	0	0	0	1	0	0	-	0	4.22	-	-
	Hull §§€	9 9	2	20.2	12.4	16.3	-0.2	25.6	11	7.8	23.27	17.1	14.8	25	38	7	22	13	9	0	0	0	0	0	0	0	0	-	0	4.17	79	-
	Leconfield ...	21-9	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Filey ...	9 9	37	(17.7)	11.9	(14.8)	-	22.2	11	6.7	27	-	-	18	27	11	22	8	4	0	0	0	0	0	3	0	0	-	0	4.60	-	-
	Bridlington §§	9 9	48	17.9	11.5	14.7	-0.2	22.2	10	6.7	23.27	-	-	23	35	9	22	15	5	0	0	0	0	0	3	0	0	-	0	4.27	78	-
	Kilnsea ...	21-9	12	17.4	12.7	15.1	-	22.0	4	7.5	27	-	-	45	-	10	21	10	9	0	0	0	0	3	2	0	-	1	4.39	-	-	
	Lincoln																															
	Waddington ...	21-9	68	19.5	12.1	15.8	-0.3	26.7	11	8.2	24	-	-	35	-	6	12	13	9	0	0	0	0	3	0	0	0	0	4.42	77	-	
	Lincoln €	9 9	7	20.2	11.7	15.9	0.0	28.3	11	3.3	27	17.5	15.7	35	60	6	12	18	12	0	0	0	0	0	0	0	0	-	0	4.36	-	-
	Cranwell §§€	9 9	62	19.8	11.9	15.9	-0.1	27.3	11	7.5	24	17.5	16.2	39	72	10	12	12	9	0	0	1	0	4	0	0	0	0	4.15	74	-	
	Brigg ...	9 9	3	20.7	11.5	16.1	-	27.8	11	5.0	27	-	-	42	-	10	16	16	11	0	0	1	0	3	0	0	-	0	-	-	-	
	Caistor ...	9 9	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Binbrook ...	21-9	108	19.4	12.5	15.9	-	27.1	11	8.1	27	-	-	37	-	9	12	12	8	0	0	0	0	2	2	0	0	0	-	-	-	-
	Cleethorpes ...	9 9	7	-	13.2	-	-	-	-	8.9	27	-	-	35	65	11	22	11	6	0	0	0	0	0	0	0	0	-	0	3.82	68	-
	Manby ...	21-9	17	19.7	12.0	15.9	-	24.9	11	7.8	27	17.7	-	35	62	6	2	16	10	0	0	0	0	3	1	0	0	0	4.55	-	-	
	Skegness ...	9 9	5	19.2	13.3	16.3	+0.3	23.3	4.5	6.7	27	-	-	49	91	16	12	12	9	0	0	0	0	0	0	0	0	-	0	4.70	83	-
3	ENGLAND, E.																															
	Norfolk																															
	Terrington St. Cl. §§	9 9	4	20.6	11.9	16.3	0.0	29.4	11	5.6	27	16.9	-	31	64	8	14	12	10	0	0	0	0	0	0	0	0	-	0	4.21	74	-
	Santon Downham ...	9 9	24	-	10.1	-	-	30.6	10	3.3	27	16.6	15.2	67	107	15	21	16	13	-	0	-	-	-	-	0	1	-	-	3.54	-	-
	East Dereham ...	9 9	53	21.0	11.9	16.5	-	29.3	9	7.2	27	-	-	79	-	16	12	18	14	0	0	0	0	4	3	0	0	-	0	-	-	-
	Morley St. Botolph ...	9 9	48	20.4	11.7	16.1	-	28.9	10,11	7.2	27	16.7	-	50	-	10	14	16	13	0	0	0	0	2	-	0	0	-	0	4.07	-	-
	Cromer ...	9 9	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Coltishall ...	21-9	17	20.1	12.4	16.3	-	27.0	9	8.7	4.7	-	-	86	-	30	12	18	9	0	0	0	0	7	0	0	0	0	-	-	-	-
	Burlingham ...	9 9	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Gorleston §§€	21-9	4	18.7	14.2	16.5	0.0	23.1	18	10.0	23	18.4	16.4	47	92	16	2	14	9	0	0	0	0	4	1	0	0	0	1	5.37	88	-
	Suffolk																															
	Mildenhall ...	21-9	5	21.1	12.6	16.9	+0.2	30.4	10	6.7	27	-	-	38	72	10	2	16	9	0	0	0	0	1	0	0	0					

\* Botanic Gardens \*\* National Institute of Agricultural Botany

† Used as District Value Station for temperature and sunshine for District 1



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS AUGUST, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE			
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-50 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1911-50 average	Most in A DAY Amount (mm.)	Date	Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-50 average	Exposure	
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date							0.2 mm or more	1.0 mm or more														
3 ENGLAND, E. — contd.																																	
Essex																																	
Harlow	99	79	20.8	12.2	16.5	-	28.3	10, 11	7.2	24	-	16.4	54	-	24	2	14	13	0	0	0	0	0	0	0	0	0	0	0	0	4.85	-	-
Stansted	99	101	20.6	12.5	16.5	+0.4	28.8	10	8.0	24	-	-	65	120	21	2	16	11	0	0	0	0	2	0	0	0	0	0	0	-	-	-	
Writtle	99	32	21.2	11.6	16.4	-	29.4	10	6.7	24	17.2	-	55	106	22	2	14	12	0	0	0	0	0	0	0	0	0	0	0	4.51	-	-	
Southend	99	27	21.7	14.0	17.9	+0.1	28.9	10	8.3	24	-	-	63	77	29	2	16	10	0	0	0	0	0	1	0	0	0	0	0	4.13	64	-	
Maldon	99	4	20.7	12.8	16.7	-	26.7	10	8.3	24, 27	-	-	107	-	44	2	17	11	0	-	0	0	1	0	0	0	-	-	0	-	-	-	
Earls Colne	99	49	21.3	11.9	16.7	-	28.9	11	7.2	27	17.6	16.4	39	75	9	14	14	10	-	0	-	-	0	0	0	0	-	-	0	-	-	-	
Shoeburyness	21-9	2	20.5	13.7	17.1	-0.2	25.3	10	8.7	27	-	-	79	165	31	2	15	11	0	0	0	0	2	0	0	0	0	0	5.27	83	-		
Clacton-on-Sea	99	16	20.3	14.2	17.3	+0.3	26.7	4	8.3	27	18.4	16.9	58	136	26	19	11	8	0	0	0	0	1	0	0	0	-	0	5.61	87	-		
Walton-on-Naze	21-9	5	20.2	14.0	17.1	-	24.0	19	8.0	27	-	-	61	-	20	19	13	9	0	0	0	0	2	0	0	0	0	0	5.73	-	-	-	
Dovercourt	99	3	20.1	12.8	16.5	-0.6	24.4	19	8.3	27	-	-	55	114	21	15	7	6	0	-	0	0	1	0	0	0	-	0	-	-	-	-	
4 MIDLAND COUNTIES																																	
Yorks., W. Riding																																	
Slaidburn	99	192	18.6	11.3	14.9	-	24.4	11	3.3	24	-	-	67	45	11	13	17	16	0	0	0	0	0	0	0	0	-	0	3.87	-	-	-	
Malham Tarn	99	395	17.4	10.0	13.7	-	25.6	12	2.8	24	14.5	-	67	47	11	3	16	12	0	0	0	0	3	0	0	-	0	4.45	-	-	-	-	
Huddersfield	99	99	-	-	-	-	-	-	-	-	(16.7)	(15.1)	62	90	31	11	10	9	-	-	-	-	-	-	-	-	-	-	(3.49)	(77)	-	-	
" Oakes	21-9	235	19.4	11.5	15.5	-	29.3	11	5.8	24	15.9	13.5	72	88	27	11	17	13	0	0	1	1	5	2	0	0	0	0	4.16	87	-	-	
Bradford	99	134	19.4	12.2	15.8	+0.6	27.2	11	6.7	24	16.2	14.8	56	73	19	11	16	14	0	0	0	0	3	0	0	0	-	0	-	-	-	S	
Ilkley	99	96	19.8	11.6	15.7	+0.4	27.2	11	5.6	24	-	-	61	71	15	11	17	12	0	0	0	0	2	0	0	-	0	4.53	93	-	-	-	
Sheffield	99	131	19.9	12.6	16.3	+0.3	27.2	10, 11	7.2	24	16.9	15.3	49	68	9	11	15	12	0	0	0	0	1	-	0	0	-	0	4.16	86	-	-	
Pontefract	99	78	19.7	11.7	15.7	+0.2	26.1	10	7.2	27	-	-	80	127	20	21	16	12	0	0	0	0	3	3	0	0	-	0	-	-	-	-	
Bramham	99	54	20.6	11.5	16.1	-	26.7	10, 11	6.7	24	-	-	56	80	12	16	13	10	0	0	0	0	2	1	0	0	-	0	4.17	-	-	-	
Cawood	99	6	20.1	11.8	15.9	-	26.1	10, 11	6.7	24, 27	17.1	16.1	27	43	12	11	12	8	0	0	0	0	1	0	0	0	-	0	3.55	-	-	-	
Askham Bryan	99	34	20.1	11.7	15.9	-	26.1	11	6.7	24	-	-	30	44	8	16	11	9	0	0	0	0	1	2	0	0	-	0	4.00	83	-	-	
Derby																																	
Buxton	99	307	17.6	11.2	14.4	+0.4	24.4	10, 11	6.7	6	-	-	80	76	16	11	16	14	0	0	0	0	1	4	0	0	-	0	-	-	-	-	
Ashover	99	186	18.8	11.6	15.2	-	25.6	10, 11	6.1	24	-	-	56	-	13	11	18	12	0	0	0	0	1	1	0	0	-	0	4.67	-	-	-	
Derby	99	48	20.4	13.1	16.7	-	27.8	8	6.1	24	-	-	58	86	10	11	15	14	0	0	0	0	2	0	0	0	-	0	4.27	-	-	-	
Morley	99	107	19.8	(12.1)	(15.9)	-	26.7	8, 10	5.6	24	-	-	48	70	8	11	16	13	0	-	0	0	1	-	0	0	-	0	5.01	-	-	-	
Wingerworth	99	127	19.3	11.6	15.5	-	25.6	10, 11	6.7	6	17.4	-	47	-	9	8	17	11	0	0	0	0	2	1	0	0	-	0	-	-	-	-	
Nottingham																																	
Sutton Bonington	99	48	-	11.9	-	-	-	-	6.1	24	17.3	16.1	101	180	36	11	17	13	0	0	0	0	2	0	0	0	-	0	4.29	85	-	-	
Watnall	21-9	117	19.8	12.3	16.1	+0.3	27.6	10	6.2	24	-	-	73	110	26	11	16	15	0	0	1	0	4	0	0	0	0	0	3.95	78	-	-	
Mansfield	99	110	18.9	12.9	15.9	+0.1	26.1	10	8.3	24	17.0	-	48	76	8	12	15	14	0	-	0	0	2	0	0	-	0	-	-	-	-	-	
Nottingham	99	59	20.1	13.1	16.6	+0.2	27.2	10	7.8	24	17.6	16.9	59	99	12	8	15	13	0	0	0	0	4	0	0	0	-	0	4.07	84	-	-	
Warsop	99	46	20.2	11.3	15.7	-	26.1	10	6.1	24, 27	-	-	43	75	7	8	17	15	-	-	-	-	1	0	0	-	0	4.46	-	-	-	-	
Finningley	21-9	10	21.0	12.8	16.9	+0.4	28.0	10	9.0	24	-	-	62	-	17	21	16	12	0	0	0	0	3	2	0	0	0	0	4.30	-	-	-	-
Leicester																																	
Newtown Linford	99	119	19.9	11.9	15.9	-	27.8	10	7.2	24	-	-	86	135	25	11	17	13	0	0	0	0	3	0	0	0	-	0	3.85	-	-	-	
Caldecott	99	53	20.7	11.4	16.1	-	28.9	10	3.9	24	-	-	53	97	13	2	15	9	-	0	-	-	-	0	0	0	-	0	3.92	-	-	-	
Northampton																																	
Bugbrooke Mills	99	69	(21.1)	(11.4)	(16.3)	-	28.3	10, 11	6.1	24	16.7	14.8	95	180	57	2	15	10	-	0	-	-	-	0	0	-	-	0	4.51	-	-	-	
Raunds	99	59	20.9	11.9	16.4	+0.1	28.9	10	5.0	24	18.1	15.3	42	79	8	2	18	11	-	0	-	-	-	0	0	0	-	0	3.80	72	-	-	
Wittering	99	65	20.3	12.3	16.3	+0.5	27.9	11	7.8	27	-	-	50	92	16	21	15	10	0	0	1	0	2	0	0	0	0	0	4.11	-	-	-	
Warwick																																	
Birmingham K.E.S.*	99	137	(19.2)	(12.7)	(15.9)	-	26.7	10	7.8	24	-	-	72	103	18	8	14	13	0	0	0	0	2	0	0	-	0	-	-	-	-	-	
Edgbaston	21-9	163	19.7	12.9	16.3	+0.3	26.9	10	8.8	24	14.2	13.6	85	122	25	2	17	14	0	0	1	0	6	0	0	0	0	0	4.24	83	-	-	
Luddington	99	56	20.7	12.2	16.5	-	27.2	8, 10	6.1	24	-	-	114	-	44	2	13	12	0	0	0	0	3	3	0	0	-						



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS AUGUST, 1969

DISTRICT, COUNTY AND PLACE			Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
					MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1916-50 average	Amount (mm.)	Date	Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frosty	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
					Max. (A)	Min. (B)			Maximum	Date	Minimum	Date							0.2 mm or more	1.0 mm or more																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS AUGUST, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE					
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1910-50 average	Most in a DAY	Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frosty	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure		
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date	Amount (mm)	Date																				
																																30 cm.	122 cm.
5. ENGLAND, S.E. — contd.																																	
Hampshire — contd.																																	
Southsea	99	2	21.0	14.8	17.9	+0.2	27.8	10	9.4	24	18.9	17.3	86	157	23	20	14	11	0	0	0	0	1	0	0	0	0	0	0	0	6.13	90	-
Hayling Island ...	99	4	20.7	14.1	17.4	-	25.0	10	9.4	24	-	-	62	-	19	2	10	7	0	0	0	0	3	0	0	0	0	0	0	0	-	-	-
Long Sutton ...	99	156	20.4	11.4	15.9	-0.4	27.2	11	6.7	24	17.7	-	87	137	33	2	16	12	0	0	0	0	3	0	0	0	0	0	0	0	5.06	85	-
Alice Holt Lodge	99	115	20.6	12.0	16.3	-	28.3	11	7.8	24	-	-	90	146	31	2	15	9	0	0	0	0	3	0	0	0	0	0	0	0	5.29	-	-
S. Farnborough	99	69	21.3	12.6	16.9	+0.2	28.7	11	7.3	24	-	-	87	152	36	2	15	9	0	0	0	0	4	0	0	0	0	0	0	0	4.99	83	-
Isle of Wight																																	
St. Catherine's Pt.	99	16	20.1	13.5	16.8	+0.2	25.0	11	9.0	24	-	-	44	82	10	14	14	9	0	0	0	0	3	0	0	0	0	0	0	2	-	-	-
Ventnor *	99	135	19.5	13.0	16.2	-0.7	25.0	10	8.9	24	18.1	16.2	53	88	9	1.14	13	9	0	0	0	0	1	0	0	0	0	0	0	0	6.33	91	-
Shanklin ...	99	55	19.7	13.6	16.6	-	26.1	10	9.4	24	-	-	58	87	12	2	13	11	0	0	0	0	3	0	0	0	0	0	0	0	6.48	-	-
Sandown ...	99	4	21.0	14.5	17.7	+0.4	25.0	11	9.4	24	-	-	56	100	21	2	12	10	0	0	0	0	2	0	0	0	0	0	0	0	6.30	-	-
Ryde ...	99	5	20.9	14.4	17.6	+0.2	26.7	10	11.1	24	14.23, 24	-	81	139	25	9	13	10	0	0	0	0	2	0	0	0	0	0	0	0	5.89	71	-
Wiltshire																																	
Lacock ...	99	49	20.6	11.3	15.9	-	28.3	8	4.4	24	-	-	42	65	16	8	11	8	-	0	-	-	-	1	0	0	0	0	0	0	-	-	-
West Lavington	99	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lyneham ...	21-9	145	20.0	12.3	16.1	+0.2	27.6	8	6.9	24	-	-	64	101	26	8	15	9	0	0	0	0	2	0	0	0	0	0	0	0	5.18	-	-
Larkhill ...	99	132	20.8	11.8	16.3	+0.4	27.8	10	6.6	24	-	-	32	56	9	11	16	8	0	0	0	0	3	0	0	0	0	0	0	0	-	-	-
Boscombe Down	21-9	126	21.2	11.9	16.5	+0.4	27.2	10	5.7	24	-	-	30	50	11	11	10	7	0	0	0	0	6	0	0	0	0	0	0	0	5.30	89	-
Upavon ...	21-9	176	20.4	11.9	16.1	-	27.4	8	6.9	24	-	-	40	61	12	11	14	9	0	0	0	0	3	0	0	0	0	0	0	0	-	-	-
Porton	99	111	21.0	11.2	16.1	+0.2	27.5	10	5.3	24	16.4	-	41	70	18	11	12	7	0	0	0	0	2	0	0	1	0	0	0	5.08	83	-	
7a. ENGLAND, N.W.																																	
Cumberland																																	
Sellafield ...	99	13	19.6	-	-	-	24.4	8, 10	-	-	-	-	59	55	17	3	15	10	-	0	-	-	-	1	0	0	0	0	0	0	5.49	-	-
Carlisle	21-9	26	20.0	11.8	15.9	-	25.5	8	2.5	24	-	-	78	-	12	4	16	14	0	0	0	0	4	0	0	0	0	0	0	0	5.36	-	-
Newton Rigg	99	171	19.2	11.2	15.2	+0.9	23.9	8	2.8	24	16.4	-	71	84	11	13	15	14	-	0	-	-	-	0	1	-	-	0	0	4.78	101	-	
Spadeadam	99	274	17.7	10.0	13.9	-	23.3	8, 11	0.6	24	14.8	12.9	127	-	19	19	19	17	0	0	1	0	2	4	0	1	-	0	0	3.93	-	-	-
Westmorland																																	
Ambleside ...	99	46	20.3	12.1	16.2	-	25.0	7, 8	3.3	24	-	-	97	62	16	4	17	14	0	0	0	0	0	0	0	0	0	0	0	0	-	-	S
Great Dun Fell	21-9	847	13.5	7.9	10.7	-	19.0	8	2.1	24	-	-	-	-	-	-	-	-	-	0	-	-	-	13	0	0	0	0	0	0	-	-	-
Moor House ...	99	556	15.9	8.8	12.3	-	21.7	11	1.7	24	12.8	-	78	40	18	21	17	13	-	0	-	-	-	2	0	1	-	0	0	5.20	-	-	-
Lancashire																																	
Squires Gate ...	21-9	10	19.3	13.0	16.1	+0.4	26.7	8	3.8	24	-	-	72	81	13	20	14	13	0	0	0	0	1	0	0	0	0	0	0	0	4.38	76	-
Aigburth ...	99	14	19.4	14.6	17.3	-	26.0	8	8.2	24	19.8	18.4	66	-	17	22	17	12	0	0	0	0	0	0	0	0	0	0	0	0	4.72	-	-
Southport ...	99	5	19.3	13.1	16.2	-	26.1	8	4.4	24	16.7	13.2	70	79	16	3	17	12	-	0	-	-	-	2	0	0	0	0	0	0	4.88	-	-
Poulton-le-Fylde	99	12	19.5	12.4	15.9	-	27.2	8	7.2	29, 30	-	-	61	63	15	3	12	12	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-
Grizedale ...	99	91	19.5	12.1	15.8	-	24.4	8	2.2	24	16.3	-	108	-	21	20	19	16	0	0	0	0	0	0	0	0	1	0	0	0	-	-	-
Speke ...	21-9	22	19.9	13.4	16.6	-	27.0	8	7.4	24	-	-	76	95	15	22	17	14	0	0	0	0	1	0	0	0	0	0	0	0	4.24	-	-
Kirkham ...	99	24	19.2	12.2	15.7	-	26.1	8	2.8	24	-	-	81	80	20	3	15	12	0	0	0	0	1	0	0	1	0	0	0	4.88	-	S	
Garstang ...	99	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bailrigg ...	99	54	19.1	12.8	15.9	-	25.3	8	4.1	24	-	-	68	-	15	3	15	13	-	0	-	-	-	0	0	0	0	0	0	0	4.23	-	-
Morecambe ...	99	7	20.0	14.2	17.1	+1.2	27.8	7, 8	11.1	29	-	-	46	46	12	3	14	12	0	0	0	0	0	1	0	-	0	0	0	4.83	86	-	
Penketh ...	99	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Preston ...	99	33	19.7	12.6	16.1	-	26.7	8	3.9	24	-	-	86	82	25	3	16	10	0	0	0	0	0	1	0	0	0	0	0	0	-	-	-
Bolton ...	99	107	19.4	12.1	15.7	-	25.6	8	5.0	24	15.5	-	78	-	23	3	14	14	-	0	-	-	-	0	0	0	0	0	0	0	4.57	-	-
Stonyhurst	99	115	19.3	12.1	15.7	+0.6	25.6	8	3.9	24	-	-	69	55	15	3	18	14	-	0	-	-	-	0	0	0	0	0	0	0	4.13	83	-
Manchester/W. Centre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Helmshore ...	99	260	17.9	11.8	14.7	-	24.4	8	6.7	24	15.1	-	81	53	25	3	16	15	-	0	-	-	-	1	0	0	0	0	0	0	4.02	-	-
Burnley ...	99	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS AUGUST, 1969

DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Max. Min.	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days												BRIGHT SUNSHINE			
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm)	Percentage of 1910-50 average	Most in a day		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost† Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date	0.2 mm or more	1.0 mm or more												
8a. SOUTH WALES.																															
Cardigan																															
Aberporth ...	21-9	133	17.1	12.5	14.8	-0.3	24.8	8	7.7	3	-	-	79	94	32	1	15	10	0	0	0	0	2	3	0	0	0	0	4.45	-	-
Gogerddan ...	9 9	31	19.1	12.0	15.5	-	26.7	8	4.4	29	-	-	125	130	27	1	17	12	0	0	0	0	1	0	0	0	-	0	4.25	-	-
Swyddffynnon ...	9 9	165	18.2	11.4	14.8	-	26.1	8	2.2	24	-	-	122	107	31	11	13	12	-	0	-	-	-	0	0	1	-	0	4.42	-	-
Trawscoed ...	9 9	61	18.8	12.1	15.5	-	27.2	8	3.3	29	16.0	-	128	119	28	11	15	15	-	0	-	-	-	0	0	0	-	-	(4.45)	-	-
Llety-evan-hen ...	9 9	290	16.9	11.7	14.3	-	24.4	8	7.2	29	-	-	156	117	30	12	17	14	0	0	0	1	6	0	0	0	-	0	4.02	86	-
Cwmystwyth ...	9 9	301	(17.7)	(10.0)	(13.9)	-	23.9	7.8	2.2	29	-	-	206	-	37	11	17	17	-	0	-	-	-	0	-	-	-	-	-	-	-
Pembroke																															
Dale Fort ...	9 9	33	19.1	13.3	16.2	-	23.9	7.8, 9	10.6	3, 24	16.9	-	60	-	25	12	12	8	0	0	0	0	1	0	0	0	-	1	7.24	-	-
Milford Haven C.B.*	21-9	37	18.5	12.7	15.6	-	22.5	7.8	9.5	24	-	-	71	-	24	12	15	13	0	0	0	0	0	0	0	0	0	0	-	-	-
Brawdy ...	9 9	110																													
Orielton ...	9 9	61	19.3	11.6	15.5	-	23.9	7.8	7.2	4, 24	15.4	-	64	-	18	12	16	11	0	0	0	0	0	0	1	-	0	-	-	-	
Haverfordwest ...	9 9	8	18.8	11.3	15.1	-	25.0	8	4.4	7, 24	-	-	64	-	16	12	15	14	0	-	0	0	0	0	0	-	0	4.43	-	-	
Carmarthen																															
Carmarthen ...	9 9	15	19.4	11.7	15.5	-	26.1	8	4.4	24	16.9	-	100	-	41	1	14	12	0	0	0	0	1	0	0	0	-	0	5.92	-	-
Cenarth Mill ...	21-9	282	17.9	(9.9)	(13.9)	-	24.3	8	0.7	29	-	-	100	-	31	12	15	11	-	0	-	-	-	0	2	-	-	-	-	-	-
Radnor																															
Llandrindod Wells†	9 9	235	19.1	10.7	14.9	0.0	25.0	8	3.3	29	15.9	-	117	146	38	12	14	11	0	0	0	0	2	1	0	-	-	0	4.13	82	S
Brecknock																															
Llwynon ...	9 9	262	18.6	10.5	14.5	-	24.4	8	4.4	24	-	-	129	-	61	11	15	14	0	0	0	0	0	2	0	-	-	0	-	-	-
Glamorgan																															
Mumbles ...	21-9	36	18.8	13.0	15.9	-	23.2	31	9.2	24	-	-	-	-	-	-	-	-	0	0	0	0	4	0	0	0	0	-	-	-	-
Penmaen ...	9 9	82	18.9	12.5	15.7	-	25.0	8	8.9	24, 29	17.3	16.8	111	-	43	1	14	12	0	0	0	0	5	1	0	0	-	0	-	-	-
Swansea ...	9 9	8	19.8	13.5	16.6	-0.4	25.6	7	10.0	24	18.9	17.6	83	85	21	11	15	11	0	0	0	0	1	2	0	-	0	6.05	103	S	
Port Talbot ...	9 9	7	20.3	13.1	16.7	-	27.8	8	6.7	24	-	-	104	103	45	11	14	13	0	0	0	0	5	0	0	-	-	0	5.42	-	S
Neath ...	9 9	62	19.7	12.8	16.3	-	26.1	8, 9, 10	5.0	30	-	-	98	87	37	11	16	11	0	0	0	0	2	0	0	-	-	0	-	-	-
Rhosee ...	21-9	67	19.3	12.1	15.7	-	25.5	8	6.6	24	-	-	67	77	35	11	12	7	0	0	0	0	5	0	0	0	0	0	5.26	84	-
Cardiff ...	9 9	62	20.4	13.0	16.7	+0.2	27.2	8	8.9	2, 29	17.2	15.2	68	69	33	11	13	11	0	-	0	0	2	2	0	1	-	-	5.12	-	S
Monmouth																															
Tredegar ...	9 9	313	18.7	11.2	14.9	-	24.4	8	5.0	24	-	-	152	117	74	11	15	11	-	0	-	-	-	5	0	-	-	-	5.67	-	S
Newport ...	9 9	23	(20.7)	12.5	(16.6)	(+0.1)	26.7	8, 9, 10	8.9	6, 14	-	-	69	73	39	11	9	8	0	0	0	0	2	0	0	0	-	0	6.11	-	-
Usk ...	9 9	21	21.3	12.1	16.7	-	28.3	8	4.4	24	17.8	-	36	41	16	8	10	6	-	0	-	-	-	0	0	0	-	-	4.83	-	-
Crumbland ...	9 9	245	19.2	11.4	15.3	-	25.0	8	6.1	24	16.2	15.4	44	48	15	8	12	9	0	0	0	0	1	3	0	-	0	5.40	-	-	-
8b. ENGLAND, S.W.																															
Somerset																															
Hawkrigge ...	9 9	314	17.6	10.9	14.3	-	23.3	8, 9, 10	6.1	14	-	-	111	91	51	11	15	12	0	0	0	0	5	2	0	0	-	0	5.36	-	-
Williton ...	9 9	96	19.5	11.6	15.5	-	26.1	8	6.7	29	-	-	66	-	36	11	11	8	0	0	0	0	4	0	0	-	0	-	-	-	-
Cannington ...	9 9	29	19.8	13.0	16.4	-	26.1	7.8	7.8	7	17.8	-	113	156	55	8	12	8	-	-	-	-	-	0	0	-	-	5.34	86	-	
Weston-super-Mare	9 9	9	20.7	14.1	17.4	+0.5	26.7	8	10.6	24	-	-	62	71	22	11	7	7	0	0	0	0	3	0	0	-	3	5.68	93	-	
Cricket Malherbie	9 9	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cheddar ...	9 9	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Yeovilton ...	21-9	18	20.6	12.2	16.4	-	25.9	8	3.7	24	-	-	45	-	19	8	13	8	0	0	0	0	3	0	0	0	0	-	-	-	-
Rodney Stoke ...	9 9	40	20.0	12.0	16.0	-	26.1	8	7.2	25	17.9	15.9	81	-	19	8	10	10	-	0	-	-	-	1	0	0	-	-	-	-	-
Long Ashton †	9 9	49	20.3	12.7	16.5	+0.2	27.2	8	5.6	24	17.8	-	70	77	44	8	11	9	0	0	0	0	4	0	0	-	0	5.44	93	-	
West Camel ...	9 9	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wincanton ...	9 9	114	20.0	12.0	16.0	-	26.1	10	7.2	24	-	-	68	-	17	11	15	9	0	0	0	0	4	0	0	0	-	0	-	-	-
Bath C.B.S.**	9 9	118	19.9	13.2	16.5	-	26.1	10	7.8	24	17.7	-	34	46	7	8	10	5	0	0	0	0	3	2	0	-	0	-	-	-	-
Dorset																															



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS AUGUST 1969

DISTRICT, COUNTY AND PLACE	Max. Temp. by G.M.T. of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days												BRIGHT SUNSHINE				
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916-50 average	Most in a Day		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C.	Concrete min. below 0°C.	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date	0.2 mm or more	1.0 mm or more													
9. NORTHERN IRELAND																															
Londonderry																															
Loughermore Forest	99	174	17.2	10.0	13.6	-	23.4	8	1.6	6	-	-	76	-	22	20	23	16	0	0	0	0	0	0	0	2	-	0	-	-	-
Ballykelly	21-9	2	18.5	12.0	15.3	+0.6	24.1	8	4.8	3,24	16.3	14.5	37	43	6	19	14	11	0	0	0	0	1	0	0	0	0	0	3.99	86	-
Derrynoyd Forest	99	88	18.7	11.0	14.9	-	23.9	8	4.6	3	-	-	50	-	19	19	16	11	0	0	0	0	0	0	0	0	-	-	-	-	-
Somerset Forest	99	43	18.8	11.1	14.9	-	24.0	8,9	4.0	3	-	-	47	-	9	2	14	10	0	0	0	0	0	0	0	0	-	-	-	-	-
Coleraine	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Garvagh Forest	99	91	18.0	10.7	14.3	-	23.9	8	3.9	3	16.8	14.3	59	-	15	20	18	12	0	0	0	0	0	0	0	0	-	-	-	-	-
Moneydig	21-9	34	18.4	10.8	14.6	+0.3	23.7	8	3.8	3	16.5	-	54	54	14	20	19	11	0	0	0	0	0	0	0	0	0	-	-	-	-
Antrim																															
Portrush Golf Club	99	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ballymoney	99	55	18.5	10.5	14.5	-	23.9	7	4.3	3	-	-	50	-	12	22	17	12	0	0	0	0	0	0	0	-	-	-	-	-	-
Lisnafillan	99	38	18.3	11.5	14.9	-	22.8	8	4.4	3	-	-	53	-	8	20	20	15	0	0	0	0	0	0	0	-	-	-	-	-	-
Aldergrove	21-9	69	18.4	11.8	15.1	+0.6	23.1	8	5.3	24	15.8	13.4	46	50	6	2	16	12	0	0	0	0	0	0	0	0	0	0	4.67	107	-
Greenmount	99	32	18.6	11.7	15.1	-	23.3	8	5.0	24	16.9	-	42	-	7	20	15	11	0	0	0	0	0	0	0	-	-	-	-	-	-
Altnahinch	99	226	16.4	10.4	13.4	-	22.2	8	3.9	24	-	-	68	-	11	24	20	14	0	0	0	0	2	0	0	-	-	-	-	-	-
Parkmore Forest	99	235	16.3	10.4	13.3	-	21.1	8	5.0	3	14.1	-	73	-	12	25	18	14	0	0	0	0	0	4	0	-	-	-	-	-	-
Black Mountain	21-9	295	16.2	9.8	13.0	-	20.6	9	5.0	24	-	-	-	-	-	-	-	-	0	0	0	0	3	0	-	-	-	-	-	-	-
Lowtown	99	271	16.7	10.2	13.5	-	20.0	8,9,10	3.9	24	13.9	-	60	-	8	24	17	14	0	0	0	0	0	6	0	-	-	-	-	-	-
Ballypatrick Forest	99	152	16.4	10.7	13.5	-	20.9	8	5.1	3	-	-	59	-	10	4	21	14	0	0	0	0	2	2	0	-	-	-	-	-	-
Belfast, Malone*	35	-	18.4	11.6	15.0	-	23.9	9	5.6	3	15.9	-	42	-	9	1	13	12	0	1	0	0	1	0	0	-	-	-	-	-	-
Newtownabbey	99	32	18.6	12.4	15.5	-	22.2	8,17	7.8	24	16.6	-	33	-	6	19	14	11	0	0	0	0	0	0	0	-	-	-	-	-	-
Woodburn, North	99	217	17.1	10.3	13.7	-	20.6	8,9,17	4.4	6	-	-	35	33	7	2	15	11	0	0	0	0	0	3	0	-	-	-	-	-	-
Larne	99	43	18.9	11.5	15.2	-	22.8	9	7.2	3	-	-	32	35	9	19	15	10	0	0	0	0	0	0	0	-	-	-	-	-	-
Kilroot	99	22	18.5	11.4	14.9	-	21.7	8	7.2	6,24	-	-	23	-	5	2	14	11	0	0	0	0	0	0	0	-	-	-	-	-	-
Ballylumford	99	24	18.1	11.9	15.0	-	21.1	8,9,11	8.3	24	-	-	32	-	7	19	16	10	0	-	0	0	0	-	0	0	-	-	-	-	-
Down																															
Hillsborough	99	116	17.7	11.2	14.5	+0.3	22.2	9	6.1	24	15.3	13.4	41	50	7	20	13	12	0	0	0	0	0	0	0	-	-	-	-	-	-
Kilkeel	21-9	18	17.9	12.1	15.0	+0.3	19.7	5,7	7.4	6	-	-	80	-	29	13	16	13	0	0	0	0	0	0	0	0	-	-	-	-	-
Tollymore Park	99	76	18.2	11.6	14.9	-	22.2	8	6.7	24	-	-	55	45	9	20	17	14	0	0	0	0	0	1	0	-	-	-	-	-	-
Rosetta	99	24	18.3	10.4	14.3	-	22.2	8,9	4.4	24	-	-	43	-	8	19	14	11	0	0	0	0	0	0	0	-	-	-	-	-	-
Murlough	99	9	18.4	11.1	14.7	-	21.1	13	2.2	3	15.8	14.3	31	-	5	1	14	11	0	0	0	0	0	0	0	-	-	-	-	-	-
Stormont Castle	99	56	18.6	11.7	15.1	-	22.8	9	7.2	24	16.4	14.8	30	35	4	2	15	12	0	0	0	0	0	4	0	-	-	-	-	-	-
Downpatrick	99	36	18.6	11.5	15.1	-	22.8	9	5.6	6	-	-	41	-	11	1	14	12	0	0	0	0	2	0	0	-	-	-	-	-	-
Creighton's Green	99	119	17.4	11.4	14.4	-	21.7	9	7.2	24	-	-	35	-	7	2	16	12	0	0	0	0	1	0	0	-	-	-	-	-	-
Reagh Island**	99	12	18.5	12.2	15.3	-	22.8	9	7.8	24	-	-	35	-	6	12	15	12	-	-	-	-	0	0	0	-	-	-	-	-	-
Helen's Bay	99	43	18.6	12.0	15.3	-	23.3	9	8.3	24	-	-	23	-	6	2	16	10	0	0	0	0	2	0	0	-	-	-	-	-	-
Killough	21-9	15	17.5	11.2	14.3	-	20.0	10	6.8	24	-	-	43	-	10	1	13	12	0	0	0	0	0	2	0	-	-	-	-	-	-
Ballyhalbert	99	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Armagh																															
Armagh	99	62	19.3	11.6	15.5	+0.6	23.9	9	6.7	24	17.7	15.7	54	63	13	1	19	12	0	0	0	0	0	0	0	-	-	-	-	-	-
Loughgall	99	25	18.6	11.2	14.9	-	22.8	8,9	5.6	24	-	-	62	78	11	1	20	12	0	0	0	0	0	0	0	-	-	-	-	-	-
Bessbrook	99	76	-	-	-	-	-	-	-	-	-	-	58	59	9	1	21	15	-	-	-	-	-	-	-	-	-	-	-	-	-
Portadown	99	16	19.1	11.7	15.4	-	24.4	8	6.1	24	16.7	15.3	55	-	8	19	18	14	0	0	0	0	-	0	0	-	-	-	-	-	-
Lurgan	99	55	18.8	11.7	15.3	-	23.3	8	6.1	3,6	16.3	14.7	49	-	8	4	16	14	-	-	-	-	-	0	0	-	-	-	-	-	-
Tyrone																															
Lough Bradan	99	169	17.3	10.1	13.7	-	22.2	7	3.9	6	-	-	87	-	15	19	18	15	-	0	-	-	-	1	0	0	-	-	-	-	-
Baronscourt Forest	99	88	18.3	10.8	14.5	-	23.8	7	5.0	6,24	-	-	90	-	24	10	21	13	0	0	0	0	0	0	0	-	-	-	-	-	-
Strabane Convent	99	44	19.0	11.5	15.3	-	24.0	7	6.0	3	-	-	87	-	13	3	21	16	0	0	0	0	0	0	0	-	-	-	-	-	-
Carrigans	21-9	113	18.4	11.0	14.7	-	23.6	7	5.6	24	-	-	86	-	28	19	22	16	0	0	0	0	1	0	0	0	-	-	-	-	-
Lislap Forest	99	209	17.2	9.2	13.2	-	22.2	7	4.4	6	15.7	-	92	77	32	19	21	16	0	0	0	0	0	2	0	-	-	-	-	-	-
Knockmany Forest	99	73	18.4	9.2	13.8	-	22.5	7	2.7	6	-	-	59	-	15	19	19	12	0	0	0	0	1	0	0	-	-	-	-	-	-
Pomeroy Forest	99	165	18.2	10.3	14.3	-	22.2	8	5.0	24	15.6	-	60	-	10	19	19	16	0	0	0	0	1	2	0	-	-	-	-	-	-
Cookstown	99	77	18.4	10.9	14.7	-	22.2	8,9	5.6	6	15.4	-	38	39	8	19	18	12	0	-	0	0	0	0	0	-	-	-	-	-	-
Fermanagh																															
Roscor	99	143	17.3	10.9	14.1	-	21.5	1	7.0	6	-	-	81	67	15	13	22	12	0	0	0	0	1	1	0	-	-	-	-	-	-
Lough Navar Forest	99	148	17.8	10.2	14.0	-	22.2	7	4.3	6	-	-	75	-	12	19	20	16	0	0	0	0	1	0	0	-	-	-	-	-	-
C.Archdale Forest	99	66	17.9	11.2	14.5	0.0	22.8	7	5.6	24	15.3	13.1	65	64	10	19	20	13	0	0	0	0	0	0	0	-	-	-	-	-	-
Lisnaskea	99	49	18.8	11.2	15.0	-	23.9	7	5.0	24	-	-	68	-	13	3	19	17													



\* See Notes on Tables in the Introduction.



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS AUGUST, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)								WIND SPEED AND DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-2	3-5	6-7	8	9	0-39 m.	40-100 m.	200-300 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-39 km.	40 km and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS

AUGUST, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Okta)						VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-30 m.	40-100 m.	200-300 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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS AUGUST, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)					VISIBILITY (Metres and Kilometres)								WIND SPEED AND DIRECTION																				
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-10 m.	40-100 m.	200-300 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
																									Beaufort force	6,7	4,5	1-3	Calm												
																																						SPEED IN KNOTS			
																																						22-33	11-21	1-10	0
Number of Observations																																									
4. MIDLAND COUNTIES — contd.																																									
Little Rissington [Gloucester]																																									
229	3	1016.6	-	12.9	0.7	13.9	92	5.5	4	4	3	8	11	1	0	0	0	1	2	3	7	5	0	9	0	0	0	31	0	4	1	3	1	2	4	7	9				
	9	1017.0	+1.8	14.9	1.6	14.1	83	6.7	0	1	4	15	11	0	0	0	0	1	3	2	10	4	4	7	0	0	0	8	22	1	6	3	2	1	6	4	6				
	15	1016.5	-	18.3	3.7	13.8	66	5.9	0	3	8	13	7	0	0	0	0	0	0	7	7	10	7	0	0	14	17	0	3	2	1	3	2	7	6	7					
	21	1017.3	-	14.8	1.6	14.1	82	5.1	1	7	5	9	8	1	0	0	1	0	0	1	11	6	7	5	0	0	4	23	4	5	1	1	1	2	4	6	7				
5. ENGLAND, S.E.																																									
Heathrow [Greater London]																																									
26	3	1016.6	-	14.5	1.1	14.6	87	5.2	3	4	6	8	10	0	0	0	0	3	3	12	8	5	0	0	0	4	26	1	4	1	3	1	2	6	9	4					
	9	1016.6	-	17.0	2.3	15.1	77	6.3	0	2	2	23	4	0	0	0	0	0	6	9	9	7	0	0	0	11	20	0	5	2	4	1	2	5	5	7					
	15	1016.2	-	20.8	4.8	14.5	60	5.7	0	2	9	15	5	0	0	0	0	0	1	9	9	11	11	0	0	13	18	0	4	1	1	2	2	6	7	8					
	21	1016.9	-	17.0	2.3	15.1	77	5.2	1	6	6	11	7	0	0	0	0	0	5	9	10	7	0	0	0	3	27	1	4	2	3	1	5	5	7	3					
Kew [Greater London]																																									
10	9	1016.8	+1.4	17.1	2.6	14.9	76	6.2	0	2	7	15	7	0	0	0	0	2	5	8	6	9	1	0	0	3	24	4	4	2	2	2	1	6	2	8					
	15	1016.3	-	20.3	4.9	14.5	61	6.0	0	0	11	14	6	0	0	0	0	1	0	7	7	13	3	0	0	5	25	1	5	1	1	2	5	4	6	6					
	21	1017.1	-	16.2	2.1	14.9	80	5.0	0	9	5	9	8	0	0	0	0	1	2	12	7	8	1	0	0	1	26	4	3	2	6	0	1	6	4	5					
Gatwick [Surrey]																																									
59	3	1016.5	-	12.5	0.5	13.8	94	4.9	3	5	7	5	11	0	0	0	3	6	7	8	7	0	0	0	0	24	7	3	3	1	0	2	5	7	3						
	9	1017.0	-	16.7	1.8	15.7	82	6.4	0	3	2	21	5	0	0	0	0	5	11	8	7	0	0	0	0	5	26	0	4	2	4	0	2	4	11						
	15	1016.5	-	20.3	4.1	15.5	65	6.1	0	2	6	17	6	0	0	0	0	2	8	11	9	1	0	0	7	24	0	4	1	3	2	1	8	3	9						
	21	1017.3	-	15.2	1.3	15.0	86	5.0	0	11	4	6	10	0	0	0	0	2	4	13	9	3	0	0	0	1	28	2	3	1	5	2	2	6	6	4					
Dungeness [Kent]																																									
7	3	1015.8	-	14.8	0.9	15.3	90	3.7	11	5	4	1	10	0	0	0	0	5	7	5	13	1	0	1	6	22	2	8	1	7	0	0	1	12	0						
	9	1016.4	-	17.0	1.6	16.4	84	5.1	2	4	8	11	6	0	0	0	0	2	12	5	12	0	0	1	11	19	0	7	2	10	0	1	2	6	3						
	15	1016.4	-	19.3	2.9	16.5	73	5.5	2	3	6	11	9	0	0	0	0	0	10	10	11	0	0	3	18	10	0	7	1	10	0	1	2	9	1						
	21	1016.8	-	16.4	1.3	16.3	86	5.6	3	5	6	10	7	0	0	0	0	0	1	9	7	14	0	0	2	8	21	0	7	1	9	0	1	1	12	0					
Deal [Kent]																																									
10	3	1015.8	-	14.9	0.6	15.9	93	3.6	10	7	1	2	10	0	0	0	1	0	2	7	11	10	0	0	0	9	19	3	2	1	2	1	2	3	10	7					
	9	1016.4	-	16.9	1.2	17.1	88	6.2	1	1	6	11	10	0	0	0	1	1	10	7	9	2	0	0	14	13	3	2	1	4	1	2	3	4	10						
	15	1016.2	-	18.5	1.6	18.2	85	5.7	1	3	7	10	9	0	0	0	0	0	7	10	8	5	0	0	1	15	14	0	2	4	4	2	0	5	6	7					
	21	1017.4	-	16.6	0.8	17.4	91	5.5	2	3	8	2	11	1	0	0	0	1	0	2	8	12	3	1	0	0	6	17	4	3	3	5	0	0	4	5	3				
Manston [Kent]																																									
15	3	1015.8	-	14.8	1.1	14.9	88	4.5	6	7	2	5	11	0	0	0	0	1	1	8	13	7	1	0	0	6	25	0	3	2	2	4	3	3	7	7					
	9	1016.2	-	17.3	2.0	15.9	80	5.8	1	1	10	9	10	0	0	0	0	1	4	10	9	7	0	0	0	9	21	1	6	1	3	4	0	4	4	8					
	15	1016.1	-	19.4	3.3	15.9	71	5.5	0	4	8	11	8	0	0	0	0	1	0	11	8	7	4	0	0	15	16	0	4	3	5	3	1	3	3	9					
	21	1016.7	-	15.9	1.6	15.2	84	5.1	2	6	4	10	8	1	0	1	0	0	3	9	6	9	3	0	0	9	20	2	5	1	6	1	2	8	2	4					
Thorney Island [Sussex]																																									
4	3	1016.7	-	14.4	0.9	14.9	90	5.4	3	5	4	7	12	0	0	1	0	3	10	7	8	1	0	0	4	26	1	3	4	2	0	1	1	8	11						
	9	1017.3	+1.6	17.4	2.3	15.5	77	5.8	0	5	5	16	5	0	0	0	0	1	7	8	9	6	0	0	11	20	0	4	4	4	0	1	3	8	7						
	15	1017.0	-	19.6	3.6	15.4	68	5.7	0	5	6	13	7	0	0	0	0	0	9	7	7	8	0	0	15	16	0	3	3	2	1	6	3	10	3						
	21	1017.6	-	16.4	1.7	15.5	83	5.6	0	5	5	14	7	0	0	0	0	0	4	7	7	8	5	0	0	3	26	2	3	4	1	2	0	2	8	9					
East Hoathly [Sussex]																																									
41	9	1016.6	-	17.4	2.0	16.1	80	6.0	0	4	3	18	6	0	0	0	0	3	9	10	8	1	0	0	3	28	0	4	1	5	2	3	2	6	8						
	15	1016.5	-	19.6	3.5	15.7	70	6.2	0	2	6	18	5	0	0	0	0	1	0	12	7	10	1	0	0	3	28	0	5	1	0	3	4	6	5	7					
	21	1017.2	-	14.7	1.1	14.8	88	5.0	0	8	6	9	8	0	0	0	0	2	4	9	5	10	1	0	0	0	29	2	7	3	9	0	1	3	5	1					
Eastbourne C.G. [Sussex]																																									
7	9	1016.3	+0.5	17.3	2.1	15.8	80	5.5	2	1	12	9	7	0	0	0	0	1	14	16	0	0	0	0	7	20	4	8	3	4	0	2	2	3	5						
	15	1016.1	-	19.6	3.5	15.7	69	5.5	1	1	13	9	6	0	0	0	0	0	13	17	0	0	0	4	9	15	2	6	1	5	0	3	3	8	2						
	21	1016.7	-	16.3	1.7	15.4	82	5.3	3	1	11	6	10	0	0	0	0	0	0	12	19	0	0	0	1	2	19	9	7	1	4	0	0	1	8	1					
Abingdon [Berkshire]																																									
71	3	1016.3	-	13.6	0.7	14.5	92	5.9	3	2	3	12	11	0	0	0	0	3	8	6	10	4	0	0	0	1	29	1	1	2	2	3	2	5	10	5					
	9	1016.7	-	16.3	2.0	14.8	79	6.8	0	0	4	17	10	0	0	0	2	1	3	10	6	7	2	0	0	7	24	0	4	1	4	3	2	7	5	5					
	15	1016.2	-	20.0	4.3	14.5	62	6.2	0	0	10	16	5	0	0	0	0	0	0	11	11	6	3	0	0	7	24	0	4	1	3	3	4	4	6	6					
	21	1017.0	-	15.9	1.9	14.6	80	5.5	0	3	12	7	9	0	0	0	0	0	1	13	11	4	2	0	0	0	29	2	3	2	2	2	3	2	10	5					
Hurn [Hampshire]																																									
14	3	1016.4	-	13.6	0.9	14.3	90	5.2	5	4	3	9	9	1	0	0	1	0	5	6	10	8	0	0	0	1	25	5	5	0	3	2	1	1	3	6					
	9	1017.1	-	17.3	2.5	15.1	76	5.9	1	2	5	20	3	0	0	0	0	2	5	10	12	2	0	0	12	18	1	10	1	3	3	1	5	4	3						
	15	1016.8	-	19.9	4.1	14.8	64	5.9	0	1	10	15	5	0	0	0	0	0	8	9	8	6	0	0	13	17	1	4	0	3	1	4	5	5	8						
	21	1017.3	-	15.8	1.7	14.8	82	5.1	1	9	3	11	7	0	0	0	0	1	4	2	15	9	0	0	0	4	23	4	2	2	1	3	0	2	6	11					
S. Farnborough [Hampshire]																																									
70	3	1016.6	-	13.5	0.8	14.2	91	5.3	4	5	3	6	13	0	0	0	1	2	3	15	5	3	2	0	0	2	23	6	2	0	3	2	1	4	9	4					
	9	1017.1	+1.6	16.6	2.0	15.2	80	6.1	0	4	2	20	5	0	0	0	0	1	4	8	2	8	8	0	0	9	22	0	3	2	2	4	2	5	2	11					
	1																																								



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS AUGUST, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)								WIND SPEED AND DIRECTION																		
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-2	3-5	6-7	8	9	0-10 m.	10-100 m.	100-1000 m.	1000-10000 m.	4-10 km.	10-19 km.	20-30 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
																							4 or more	5-6	7-8	9-10	11-12													
																																				SPEED IN KNOTS				
																																				14 or more	15-19	20-24	25-29	30 or more
Number of Observations																																								
Speke [Lancashire]																																								
26	3	1015.9	-	14.4	0.9	14.9	90	6.0	0	5	4	11	11	0	0	0	0	0	5	11	8	7	0	0	0	9	21	1	4	2	2	3	5	2	2	4	10			
	9	1016.5	-	16.2	1.8	15.2	82	6.6	0	1	3	20	7	0	0	0	0	0	7	8	9	4	3	0	0	12	19	0	4	2	0	8	3	1	7	6				
	15	1016.1	-	18.9	3.2	15.5	71	6.2	0	3	5	16	7	0	0	0	0	1	2	5	7	10	6	0	0	16	14	1	0	1	0	5	4	2	8	10				
	21	1016.5	-	15.9	1.4	15.6	86	6.4	0	3	5	14	9	0	0	0	0	0	3	16	5	6	1	0	0	9	21	1	0	2	4	2	1	8	11					
Ringway [Cheshire]																																								
76	3	1016.1	-	14.2	1.1	14.4	89	5.9	0	6	5	5	14	1	0	1	0	0	2	6	8	10	4	0	0	4	21	6	2	2	3	4	5	0	1	8				
	9	1016.6	+2.5	16.2	2.0	14.7	80	6.2	0	2	6	15	8	0	0	0	0	2	5	14	6	4	0	0	0	8	20	3	6	0	1	4	3	6	5					
	15	1016.2	-	18.9	3.5	14.9	68	6.0	0	3	5	18	5	0	0	0	0	1	4	10	8	8	0	0	0	14	15	2	3	0	1	4	1	3	8					
	21	1016.8	-	16.1	1.7	15.2	83	5.9	0	2	11	11	7	0	0	0	0	0	9	10	12	0	0	0	0	2	27	2	2	1	4	3	2	2	8					
7b. NORTH WALES																																								
Valley [Anglesey]																																								
11	3	1016.5	-	14.0	0.9	14.4	90	6.8	0	1	5	14	9	2	0	1	0	2	1	1	4	6	14	2	0	2	12	9	8	6	0	3	0	6	0	3				
	9	1016.9	+2.9	15.6	1.4	15.1	85	6.6	0	3	0	19	8	1	0	0	0	1	1	0	9	2	16	2	0	4	15	10	2	4	2	0	0	7	7					
	15	1016.9	-	17.4	2.4	15.1	76	6.1	0	3	6	14	8	0	0	0	0	0	0	6	6	9	10	0	0	3	19	9	0	8	2	0	0	4	10					
	21	1017.3	-	14.5	1.1	14.6	88	6.2	0	2	5	17	7	0	0	0	0	1	1	2	5	2	18	2	0	1	12	13	5	4	0	1	0	4	9					
Bardsey Island [Caernarvon]																																								
19	3	1016.6	-	14.1	0.7	14.8	93	6.3	1	1	6	9	11	3	1	1	0	1	0	0	5	4	18	1	0	4	14	10	3	8	0	1	4	4	3					
	9	1017.1	-	14.5	0.7	15.2	92	7.0	0	0	2	15	13	1	0	0	1	0	0	7	4	16	3	0	2	14	13	2	7	0	2	2	6	2						
	15	1017.2	-	16.0	1.2	15.9	87	6.4	0	0	8	11	9	3	0	2	1	0	0	6	2	14	6	0	2	13	14	2	9	0	2	1	3	6						
	21	1017.4	-	14.4	0.8	15.0	91	6.4	0	1	8	11	9	2	0	2	0	0	0	6	1	21	1	0	1	16	10	4	10	0	1	3	2	5						
8a. SOUTH WALES																																								
Aberporth [Cardigan]																																								
134	3	1016.9	-	13.4	0.9	13.8	90	6.0	2	3	4	10	10	2	0	2	0	1	3	6	10	9	0	0	2	12	14	3	3	0	0	2	7	4						
	9	1017.2	+2.9	14.9	1.3	14.6	86	6.5	1	1	3	17	6	3	1	1	1	0	0	3	5	10	9	1	0	2	13	14	2	6	0	0	1	7						
	15	1017.3	-	16.1	1.8	14.9	82	6.5	0	3	4	12	9	3	0	0	3	0	1	1	5	7	9	5	0	0	17	13	1	5	0	1	0	4						
	21	1017.7	-	14.2	1.1	14.2	88	5.9	0	6	2	14	6	3	0	1	2	0	1	2	3	11	9	2	0	1	13	14	3	7	0	1	0	4						
Milford Have C.B. [Pembroke]																																								
39	3	1017.3	-	14.3	1.1	14.5	88	4.8	6	4	4	6	10	1	0	0	2	0	1	8	14	6	0	0	0	9	17	5	6	0	2	3	2	2						
	9	1017.8	-	15.8	1.4	15.3	85	6.0	2	1	6	12	10	0	0	0	0	1	1	9	14	6	0	0	0	13	12	6	7	0	2	1	3							
	15	1017.5	-	17.8	2.4	15.7	77	5.5	0	1	14	8	8	0	0	0	0	0	0	9	14	8	0	0	0	13	18	0	5	0	1	1	3							
	21	1017.6	-	15.1	1.2	15.0	87	5.2	1	3	11	7	8	1	0	0	0	1	1	7	18	4	0	0	0	5	25	1	4	1	1	4	1	5						
Mumbles [Glamorgan]																																								
37	3	1016.6	-	14.6	1.2	14.6	87	5.2	2	5	8	6	10	0	0	0	1	1	0	3	9	10	7	0	0	17	12	2	3	1	2	1	3							
	9	1017.2	-	15.9	1.7	15.0	83	6.0	0	2	9	13	7	0	0	0	0	1	2	12	3	8	5	0	0	16	14	1	2	3	4	1	2							
	15	1017.1	-	17.7	2.4	15.4	76	6.2	0	0	13	8	10	0	0	0	1	0	10	6	8	6	0	2	2	17	12	0	0	0	3	1	1							
	21	1017.4	-	15.8	1.4	15.3	85	5.4	1	6	5	11	8	0	0	0	0	0	9	5	9	8	0	0	0	14	17	0	2	1	2	1	5							
Rhoose [Glamorgan]																																								
69	3	1016.7	-	13.6	0.7	14.5	92	4.6	4	7	4	8	8	0	0	0	0	0	3	7	8	11	2	0	0	9	16	6	1	2	3	0	1							
	9	1017.3	+2.0	15.8	1.6	15.0	83	5.9	0	6	2	16	7	0	0	0	0	0	4	8	7	7	5	0	0	11	16	4	1	0	4	3	0							
	15	1017.1	-	18.1	2.6	15.7	75	6.4	0	1	7	17	6	0	0	0	0	0	3	5	9	3	11	0	0	18	13	0	2	1	1	5	2							
	21	1017.6	-	14.9	1.1	15.0	88	5.5	1	4	6	12	8	0	0	0	0	0	3	7	9	7	5	0	0	6	21	4	0	2	2	0	0							
8b. ENGLAND, S.W.																																								
Yeovilton [Somerset]																																								
23	3	1017.1	-	13.5	0.9	14.1	90	6.0	3	1	5	8	12	2	0	1	1	1	0	10	15	2	1	0	0	4	13	14	1	0	1	2	0							
	9	1017.6	-	16.8	2.2	15.0	78	6.3	0	2	3	20	6	0	0	0	0	0	6	15	10	0	0	0	0	9	15	7	2	0	2	1	2							
	15	1017.4	-	19.5	3.8	14.9	66	6.5	0	1	6	15	9	0	0	0	0	0	2	15	7	7	0	0	3	12	16	0	6	1	3	2	2							
	21	1017.7	-	15.9	1.9	14.5	80	5.3	2	4	7	10	8	0	0	0	0	1	2	17	10	1	0	0	0	3	19	9	1	1	4	1	0							
Portland Bill [Dorset]																																								
54	3	1017.1	-	15.0	1.0	15.3	89	4.7	3	6	8	7	7	0	0	0	0	1	11	6	13	0	0	2	15	12	2	11	2	1	4	1	1							
	9	1017.9	-	16.4	1.7	15.4	82	5.4	1	3	10	12	4	1	0	1	0	1	3	6	4	14	2	0	1	16	10	4	7	2	3	4	0							
	15	1017.8	-	18.2	2.5	15.8	75	5.2	1	5	9	8	8	0	0	0	0	1	8	5	14	3	0	3	13	15	0	8	0	1	3	1	2							
	21	1018.0	-	15.9	1.4	15.4	84	4.9	3	5	9	4	10	0	0	0	0	2	1	7	8	13	0	0	2	14	15	0	12	2	2	1	1							
Hartland Point [Devon]																																								
93	3	1016.6	-	14.5	0.9	14.9	90	5.2	1	5	9	7	7	2	0	2	0	0	0	3	11	11	4	0	0	15	12	4	5	2	0	3	4							
	9	1017.3	-	15.6	1.2	15.7	88	6.5	0	1	6	15	6	2	0	1	1	2	0	1	6	5	10	4	0	0	17	8	5	6	1	1	1							
	15	1017.3	-	16.5	1.5	16.0	85	5.7	0	2	12	11	4	1	0	1	0	0	6	8	9	6	0	1	1	15	3	1	2	0	2	1	2							
	21	1017.4	-	15.2	1.0	15.4	89	5.6	0	3	9	12	5	2	1	1	0	0	2	7	12	6	0	3	12	13	3	4	2	0	1	2	1							
Mount Batten [Devon]																																								
30	3	1017.6	-	13.9	0.7	14.7	92	4.5	4	5	7	8	7	0	0	0	0	0	2	10	12	7	0	0	0	5	23	3	4	1	5	0	1							
	9	1018.2	+2.3	16.3	1.5	15.7	84	6.1	0	2	6	17	6	0	0	0	0	1	0	10	7	10	3	0	0	12	17	2	8	0	4	0	2							
	15	1018.3	-	18.2	2.5	16.0	76	5.5	0	6	7	11	7	0	0	0	0	0	2	4	8	9	8	0	1	18	12	0	1	0	3	1	4							
	21	1018.6	-	15.4	1.1	15.5	88	5.0	0	5	12	8	6	0	0	0	1	0	0	8	9	9	4	0	0	3	25	3	5	1	2	1	3							
Chivenor [Devon]																																								
7	3	1017.4	-	13.9	1.0	14.2	89	5.3	0	6	7	12	6	0	0	0	0	2	1	4	5	15	4	0	0	8	18	5	2	0	9	2	1							
	9	1017.9	+2.5	16.3	1.8	15.2	82	6.4	0	2																														



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS AUGUST, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)								WIND SPEED AND DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-39 m.	40-190 m.	200-300 m.	400-990 m.	1000-1900 m.	2000-3000 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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TABLE VIII—NUMBER OF DAYS IN AUGUST, 1969  
WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °C.								MINIMUM TEMPERATURE °C.								STATION	MAXIMUM TEMPERATURE °C.								MINIMUM TEMPERATURE °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 .. ..	0	0	0	15	16	0	0	0	0	0	0	0	0	10	21	0	Edgbaston .. ..	0	0	0	2	16	11	2	0	0	0	0	0	0	2	23	6
Stornoway .. ..	0	0	0	7	23	1	0	0	0	0	0	0	1	6	24	0	Kew .. ..	0	0	0	0	15	12	4	0	0	0	0	0	0	4	22	5
Craibstone .. ..	0	0	0	7	22	2	0	0	0	0	0	0	0	10	21	0	Hastings .. ..	0	0	0	0	17	11	3	0	0	0	0	0	0	4	16	11
Rothsay .. ..	0	0	0	3	18	10	0	0	0	0	0	0	0	7	21	3	Southampton .. ..	0	0	0	0	1	18	12	0	0	0	0	0	1	4	22	4
Abbots'inch .. ..	0	0	0	0	16	14	1	0	0	0	0	0	2	6	21	2	Stonyhurst .. ..	0	0	0	2	19	9	1	0	0	0	0	0	1	23	7	
Eskdalemuir .. ..	0	0	0	3	17	11	0	0	0	0	0	1	0	16	12	2	Bidston .. ..	0	0	0	0	25	5	1	0	0	0	0	0	3	24	4	
Douglas .. ..	0	0	0	6	22	3	0	0	0	0	0	0	0	1	29	1	Valley .. ..	0	0	0	0	21	10	0	0	0	0	0	0	4	23	4	
Acklington .. ..	0	0	0	4	21	6	0	0	0	0	0	0	0	11	20	0	Falmouth .. ..	0	0	0	0	1	20	10	0	0	0	0	0	6	24	1	
Gorleston .. ..	0	0	0	1	23	7	0	0	0	0	0	0	0	1	18	12	Aldergrove .. ..	0	0	0	1	19	11	0	0	0	0	0	0	7	23	1	
Cambridge .. ..	0	0	0	1	13	13	3	1	0	0	0	0	0	6	23	2	Armagh .. ..	0	0	0	1	19	11	0	0	0	0	0	0	7	23	1	

TABLE XIII—SOLAR RADIATION AND ILLUMINATION, AUGUST, 1969

STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						DIFFUSE RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						TOTAL ILLUMINATION ON A HORIZONTAL SURFACE kilolux-hours					
	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days
Lerwick .. ..	637	4	64	10	362.6	31	300	2	64	10	208.2	31	659	4	74	10	372.3	31
Eskdalemuir .. ..	629	1	36	3	357.8	31	315	17	35	3	220.8	31	753	1	48	3	395.5	31
Cambridge .. ..	643	8	91	15	333.4	31	327	1	90	15	231.8	31	-	-	-	-	-	-
London W/Centre .. ..	593	7	126	1	324.0	31	279	17	116	1	208.5	31	695	7	168	1	395.5	31
Kew .. ..	606	7	130	13	348.2	31	325	17	130	13	226.7	31	747	7	172	13	439.6	31
Bracknell .. ..	638	7	113	9	354.7	31	344	17	104	9	237.8	31	834	7	164	9	474.8	31
Aberporth .. ..	661	7	26	12	367.6	31	345	15	26	12	218.2	30	-	-	-	-	-	-
Aldergrove .. ..																		
Jersey Airport .. ..	710	6	204	15	470.5	31	362	1	155	4	258.1	31	817	6	267	15	577.7	31



## TABLE II—ADDITIONS

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES					
			Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST					
						Dates of Occurrence	Dura- tion (hr)	No.of days	Duration in Hours			Veer from N	Speed in knots	Hour ended at day hour	Veer from N		Speed in knots	Day and Time				
1	Aberdeen	Fraserburgh	29	13	11	27	1	8	116	261	332	34	0	12.9	290	34	27	20	290	46	27	2010
6a	Ayr	Ardrossan	24	20		-	0	6	33	397	224	85	5	11.6	280	28	27	13	290	41	25	0930
2	Lincoln	Waddington	70	10	10	-	0	0	0	103	365	78	0	7.1	340	16	23	16	350	30	23	1130
4	Gloucester	Fairford	78	10		-	0	0	0	125	491	128	0	7.0	250	19	20	17	270	45	9	0415
7a	Westmorland	Moor House	597	15	14	-	0	7	47	307	305	81	4	10.8	290	31	27	13	280	44	27	1020

### TABLE III—ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	Max. Temp. hr. GMT Min. of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days														BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
					MEANS OF		Daily Mean (mean of A & B)	Difference from 1931—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1931—60 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost† Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
					Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date	0.2 mm or more	1.0 mm or more																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

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# Monthly Weather Report

## OF THE METEOROLOGICAL OFFICE

*Summary of observations compiled from returns of official stations and voluntary observers.*



Volume 86 Number 9

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### September 1969—*Very dry in eastern England; wet in north Scotland*

High pressure predominated in many areas until the 10th and again around mid-month, more especially in the north. At other times low pressure resulted in disturbed conditions in some areas, notably in the north and west around the 11th and during the last 10 days and occasionally in the south from the 12th to 19th.

#### N. Scotland.

**Weather** — It was a wet month on the whole although it was mainly dry in many places from the 14th to 19th. There were a number of very stormy days and on the 28th high winds caused damage to property in the Orkney Islands. Snow settled on the highest mountain peaks during the last few days.

**Wind** — Gales were reported locally on up to 12 days and were severe and widespread on the 21st, 25th and 28th. On these days many gusts over 80 kt occurred particularly on the 28th. At Cairngorm, 1090m, (Inverness-shire), gusts of 104 kt and 106 kt were recorded on the 21st and 28th respectively.

**Temperature** — Monthly mean temperature was a little below average. It was warm during the third week and minimum temperatures remained near 14°C from the 18th to 20th. Around mid-month and also during the last week it was cooler than average; -2.2°C was recorded at Achantoul (Sutherland) on the 15th.

**Rainfall** — Over one and a half times the normal rainfall occurred in many areas and nearly twice the average fell in the Hebrides. It was the wettest September at Lerwick (Shetland) since 1917 and at Stornoway (Hebrides) since 1950. Heavy rain was widespread on the 9th and, after a drier spell, heavy rain occurred again on the 21st when a 'daily' fall of 75 mm was recorded at Kinlochewe (Ross and Cromarty). Heavy rain or showers occurred at times during the last 10 days and thunder was reported on the 26th.

**Sunshine** — Amounts of sunshine were mostly a little below the normal and at Kirkwall (Orkney) only 68 per cent of average was recorded.

#### E. and W. Scotland, England, Wales and N. Ireland.

**Weather** — It was exceptionally dry in eastern England where, in some areas, it rivalled the dry September of 1959. In parts of west Scotland the continuing low rainfall amounts resulted in a water shortage described as 'acute' in the Glasgow area where water rationing was introduced. During a stormy period on the 28th/29th tides along the east coast rose to over 2 m (7 feet) above normal causing, according to the Press, the worst flooding since 1953 at several places. Wintry showers fell in the Grampians on the last few days.

**Wind** — The frequency of gales was rather above average in northern districts. They occurred on about 9 days in Scotland and England and on 6 days in Wales. It was stormy in western districts around the 10th and in northern districts on the 21st/22nd and 28th when very strong gusts occurred in many areas. On these two days gusts of 90 kt or more were recorded at Earl's Hill (Stirlingshire) and many gusts in excess of 80 kt occurred as far south as Yorkshire. The strong winds caused the temporary cessation of air traffic at Turnhouse Airport (Edinburgh) on the 28th.

**Temperature** — Mean temperature was mostly a little above average. It was generally warm on the first 12 days and during the third week and there were some very warm days around the 12th and 25th in East Anglia and south-east England. Among the highest temperatures recorded were: 28.3°C at Dartford (Kent) on the 12th; 24.4°C at Dundee on the 5th; 23.9°C at a number of places in Wales on the 3rd; these places included Ceinws (Montgomeryshire) where this value occurred again on the 24th; 22.2°C at Murlough (Co. Down) on the 21st.

It was cooler in southern districts for a few days at the beginning of

the month and in most areas around mid-month, but it was cold everywhere during the last few days. On the 30th frost occurred in many places in eastern England and also in a few areas elsewhere. Minima during the month included: -5.6°C at Santon Downham (Norfolk) on the 30th; -2.2°C at Corwen (Merioneth) and Haverfordwest (Pembrokeshire) on the 30th; -1.7°C at Knockmany Forest (Co. Tyrone) on the 29th.

**Rainfall** — Although rainfall was about 50 per cent above average in a small part of Somerset less than half the normal amount fell over wide areas. Many places in East Anglia and the London area recorded under 5 mm of rain during the entire month; this is less than a tenth of the average amount. Rainfall in Northern Ireland was, in general, the lowest since 1933. It was the driest September at Hastings (Sussex) since 1941 and in many other areas since 1959.

Except for some light drizzle, most places were mainly dry for the first 9 days and although heavy rain occurred at times in the north-west, very little rain fell in eastern and southern England after the 19th. At Mepal (Cambridgeshire) only 0.25 mm of rain were recorded during the month all of which fell on the 16th. Rain was heavy in Wales and northern districts from the 9th to 11th causing local flooding. On the 18th heavy thundery rain occurred in southern England and 26 mm of rain fell in 30 minutes at Inkpen (Berkshire). Nearly 65 mm were recorded at Taunton (Somerset) in the 24-hours ending 0900 GMT on the 19th.

The frequency of thunder was average in England and Wales and was reported locally on 12 days. In Scotland thunder occurred on 4 days — this is somewhat below the normal. Thunderstorms occurred widely on the 12th in the Midlands and eastern England and on the 17th in southern counties where lightning damaged property in Redruth (Cornwall).

**Sunshine** — Less than average sunshine was recorded in most areas with some places in Wales and western England recording barely half the normal amount. The lowest percentage of average was 53 per cent at Newton Rigg (Cumberland). There were only a few places in west Scotland and south-east England that had excess sunshine.

**Fog** — Morning fog occurred in many parts of England and Wales during the first 10 days. Hill fog was widespread from the 13th to 18th particularly in the Midlands and south-east England; for much of this period air traffic at Luton Airport (Bedfordshire) was severely curtailed causing much inconvenience to holidaymakers.

**Miscellaneous Phenomena** — The aurora was seen on 6 nights in Scotland.

TABLE I—DISTRICT VALUES, September 1969

DISTRICTS	AIR TEMPERATURE °C					EARTH TEMP. °C		RAIN DAYS	RAIN-FALL	SUNSHINE
	*Highest Max.	*Lowest Min.	Max.	Min.	Mean	Mean 30 cm.	Mean 122 cm			
						Difference from Average				
0 SCOTLAND, N.	20.0	0.7	0.0	-0.5	-0.3	+0.6	+0.2	-1	147	92
1 SCOTLAND, E.	24.4	2.8	+0.4	+0.7	+0.5	+0.7	+0.6	-4	68	90
2 ENGLAND, N.E.	22.8	1.1	-0.1	+0.4	+0.2	+0.8	+0.6	-2	76	81
3 ENGLAND, E.	24.1	-1.7	-0.2	+0.6	+0.2	+0.5	+0.2	-7	9	85
4 MIDLANDS	23.3	-1.3	-0.5	+0.2	-0.1	+0.6	+0.5	-3	58	79
5 ENGLAND, S.E.	26.1	-0.9	+0.4	+0.7	+0.5	+0.1	-0.3	-6	29	84
6 SCOTLAND, W.	20.8	1.8	0.0	+0.4	+0.2	+1.0	+0.6	-4	47	88
7 ENGLAND, N.W and N.Wales	21.8	3.3	+0.4	+0.6	+0.5	+0.9	+0.3	-5	59	72
8 ENGLAND, S.W. and S.Wales	22.2	-2.2	-0.4	+0.3	0.0	+0.7	+0.4	-2	52	66
N.IRELAND	21.1	-0.6	+0.1	0.0	+0.1	-	-	-7	41	73
SCOTLAND	24.4	0.7	+0.1	+0.2	+0.1	-	-	-3	98	90
ENG. and WALES	26.1	-2.2	-0.1	+0.5	+0.2	-	-	-4	52	78

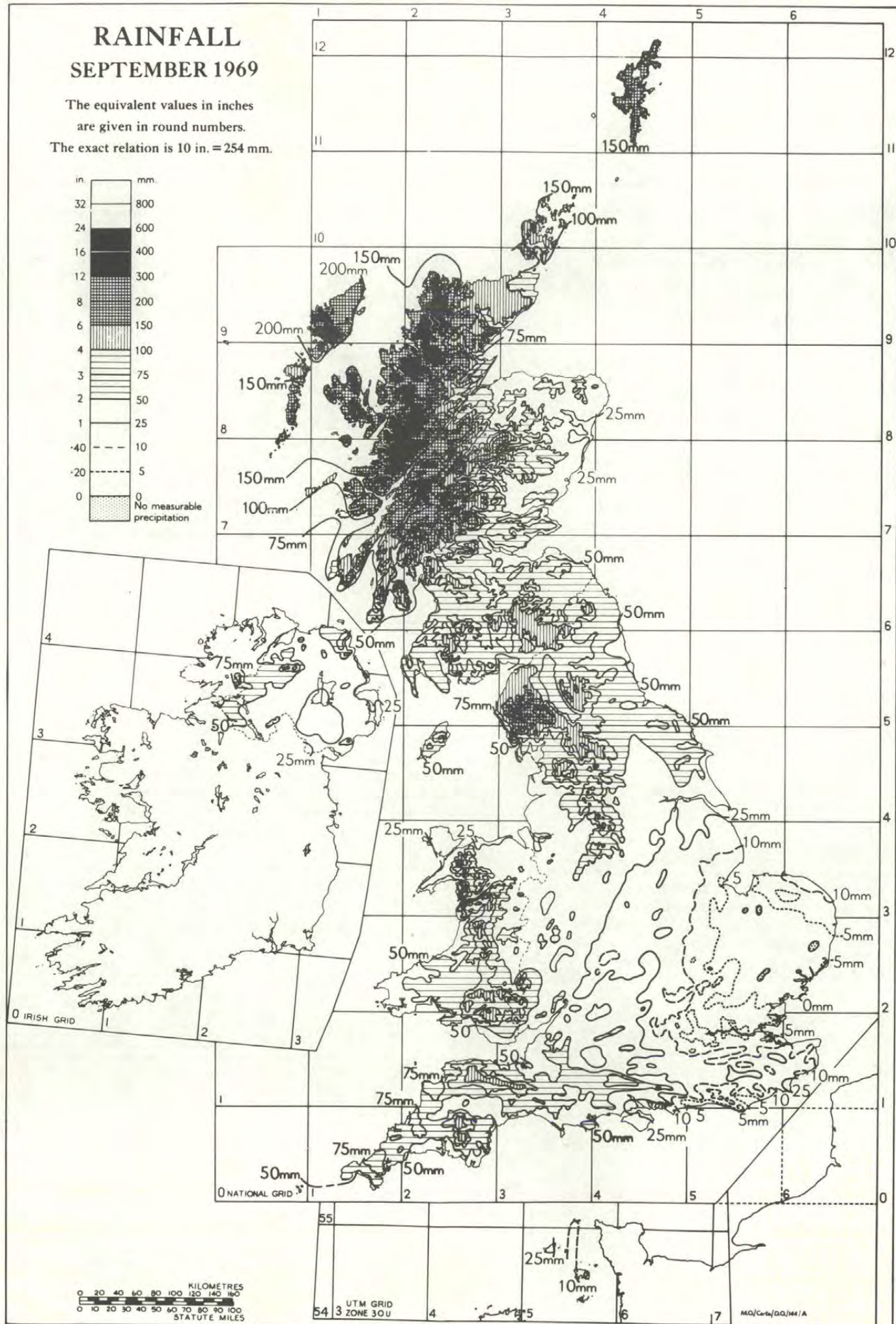
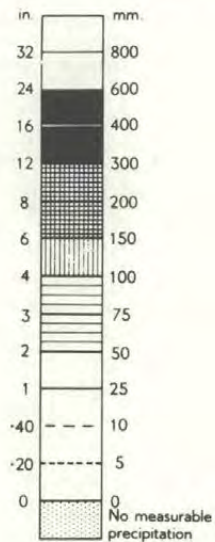
\*Highest Max. and Lowest Min. of the District Value Stations.

FH3 A



# RAINFALL SEPTEMBER 1969

The equivalent values in inches  
are given in round numbers.  
The exact relation is 10 in. = 254 mm.





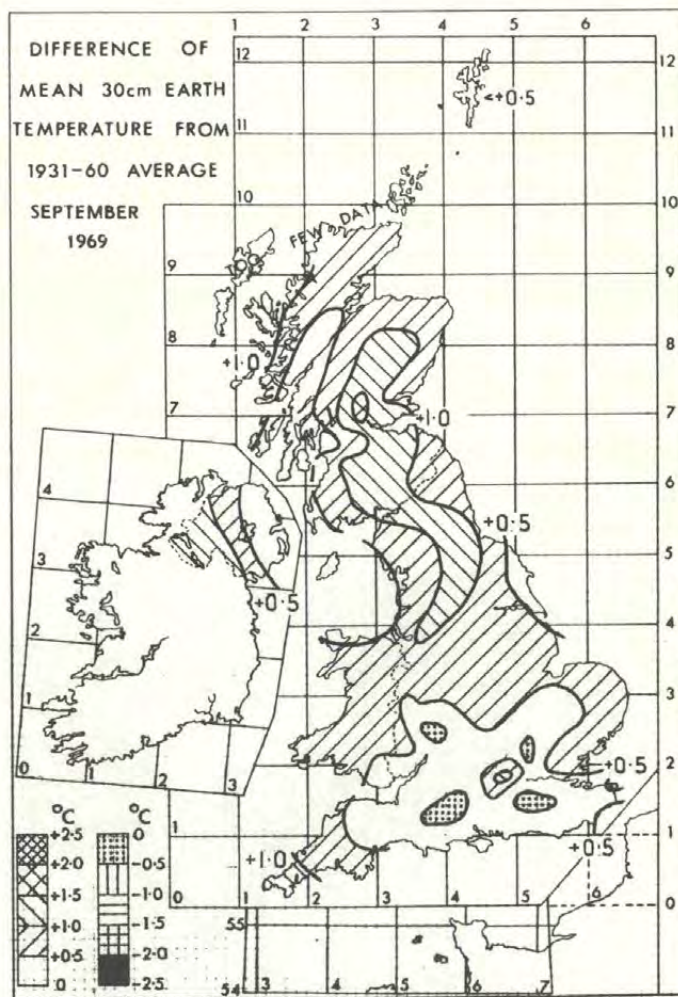
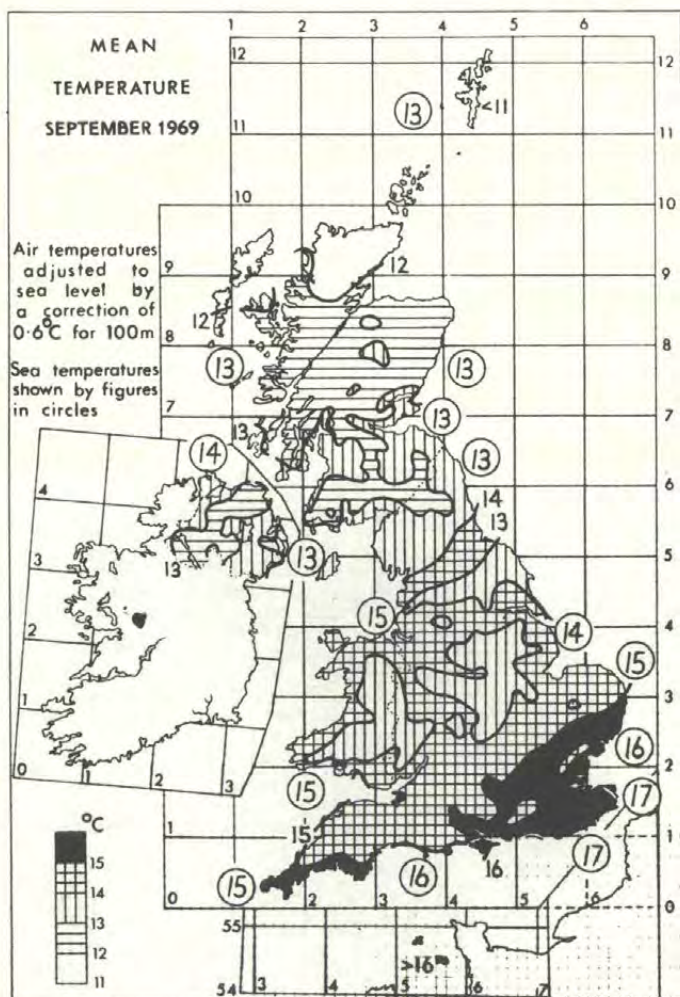
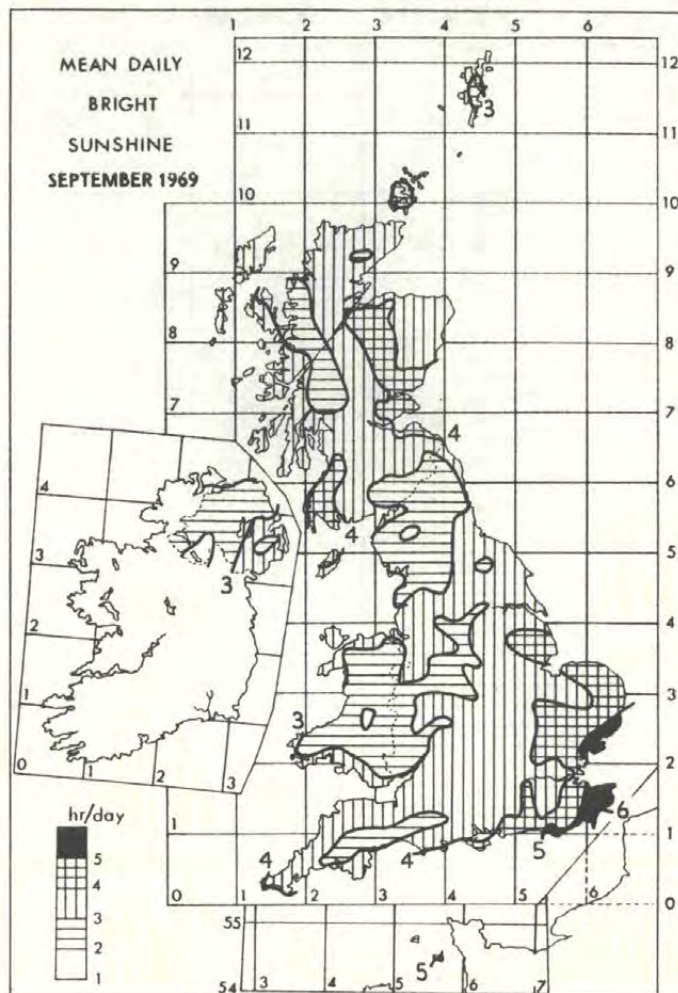
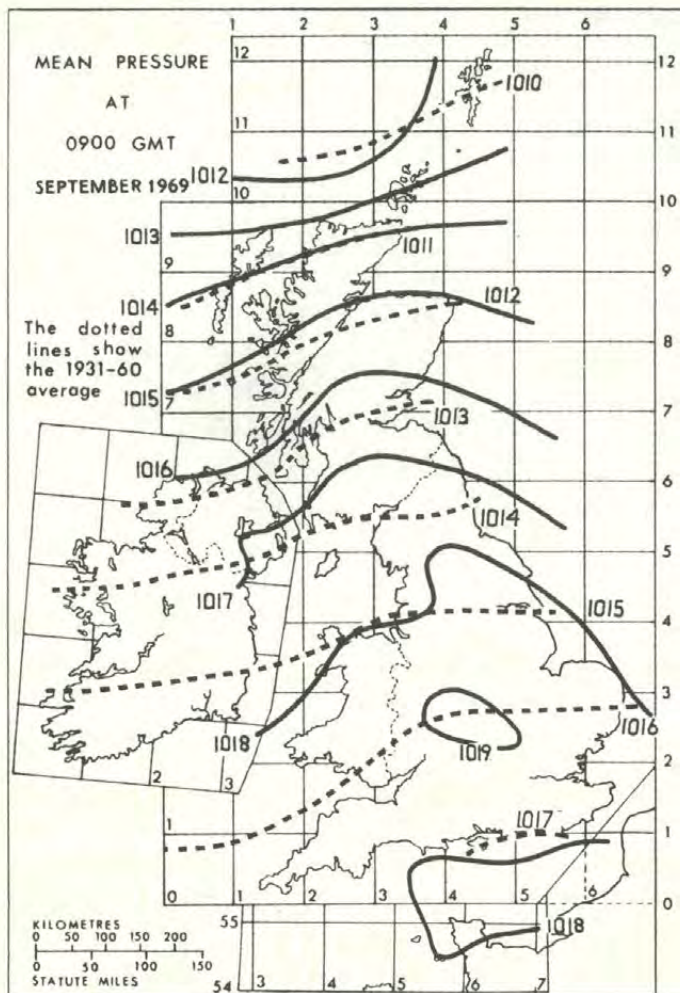




TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— SEPTEMBER, 1969

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES					
			Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST					
						Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours				Veer from N	Speed in knots	Hour ended at day hour		Veer from N	Speed in knots	Day and Time			
0 SCOTLAND N.																						
Zetland	Lerwick	93	10	10	21,26,28-30	18	16	99	384	218	1	0	15.0	300	50	28	22	300	74	28	2225	
Orkney	Kirkwall	41	15	10	21,22,26,28-30	20	12	99	396	185	20	0	15.2	310	54	28	20	310	88	28	1900	
Caithness	Dounreay	34	12	9	17,21,22,26,28	21	9	55	281	252	69	42	12.5	300	69	28	19	300	797	28	(1745-2005)	
	Wick	45	10	10	21,22,28,29	19	11	62	371	228	40	0	13.6	220	58	28	16	230	89	28	1515	
Sutherland	Shin	24	10	10	28	8	6	17	197	322	176	0	8.2	270	48	28	17	270	77	28	1625	
Ross & Cromarty	Stornoway (C'G'd)	37	12	11																		
	Duirinish	38	20	17	21,28	19	10	75	244	284	89	9	12.0	260	46	28	15	210	73	28	0920	
Inverness	Benbecula	16	10	10	21,28,30	28	14	113	291	247	41	0	14.3	270	51	28	14	270	80	28	1245	
	Corpach	23	15	12	28																	
	Fort Augustus (N.S.H.E.B.)	58	16	16	28	1	3	13	175	357	172	2	7.9	220	35	28	12	220	60	28	1110	
	Dalcross	21	10	10	21,28	7	9	30	289	306	88	0	10.3	230	39	28	12	230	60	28	1105	
	Cairngorm	1074	9	9	20-26,28-30	112	17	162	161	204	76	5	18.2	260	64	21	22	260	106	28	1530	
1 SCOTLAND E.																						
Moray	Kinloss	17	13	13	21,22,28-30	22	9	50	334	249	65	0	12.4	230	51	28	13	230	80	28	1250	
	Lossiemouth	31	24	18	21,22,28-30	23	10	51	295	266	85	0	12.1	220	57	28	13	300	83	21	2215	
Aberdeen	Dyce	71	9	9	21,28	9	6	27	221	326	137	0	9.3	270	40	21	23	230	63	28	1805	
Angus	Bell Rock	39	40	38	21,22,25,26,28,30	28	14	123	393	127	49	0	15.8	240	49	21	22	240	67	21	2140	
Perth	Rannock	307	17	17	28																	
	Tummel Bridge	161	16	16	-	0	3	11	131	386	192	0	6.7	280	31	21	22	280	60	21	2150	
Fife	Leuchars	24	12	12	21,26,28	13	10	39	386	229	53	0	12.5	230	41	21	20	240	63	28	1310	
Midlothian	Turnhouse	42	12	10	21	1	6	38	297	328	56	0	10.7	250	37	21	22	250	70	21	2110	
6a SCOTLAND, W.																						
Argyll	Tiree	27	18	14	21,23-25,28,30	40	13	115	323	182	60	0	14.9	270	47	21	20	280	74	21	1955	
	Machrihanish	22	12	12	21,28	9	10	70	320	266	55	0	12.3	290	42	21	21	250	65	21	1955	
Dunbarton	Cumbernauld	166	10	10	21,28	7	8	50	320	284	59	0	11.6	220	43	21	22	240	75	21	2145	
Renfrew	Paisley	57	25	9	-	0	2	8	136	421	155	0	7.4	190	28	28	09	240	57	21	2030	
	Abbotsinch	16	10	10	21	1	4	21	248	362	88	0	9.8	220	36	21	21	240	58	21	2040	
Larnark	Lowther Hill	736	13	10	**																	
Ayr	Hunterston	12	9	9	*																	
	Prestwick	21	10	10	21	1	5	20	229	361	109	0	9.2	240	37	21	21	270	75	21	2035	
Dumfries	Eskdalemuir	259	10	10	21	2	8	53	207	276	182	0	9.5	240	36	21	22	240	65	21	2130	
Wigtown	West Freugh	25	10	10	-	0	3	14	243	368	84	11	9.3	210	27	28	11	-	49	21	2045	
6b ISLE OF MAN																						
	Ronaldsway	25	10	10	-	0	8	35	272	289	124	0	10.0	210	31	28	11	240	56	21	2140	
	Point of Ayre	20	10	10	-	0	11	83	330	255	52	0	12.6	250	33	21	22	240	52	21	2125	
2 ENGLAND, N.E.																						
Durham	Durham	119	16	10	-	0	3	12	132	419	157	0	7.1	270	30	21	22	310	62	21	2255	
	South Shields	22	17	13	-	0	2	4	177	391	148	0	7.6	290	32	21	24	280	56	21	2305	
Yorks N.R.	Leeming	42	10	10	-	0	2	8	122	388	202	0	6.6	270	28	21	24	270	49	21	2325	
	Middlesbrough	23	19	19	-	0	6	29	332	260	99	0	10.5	230	32	21	23	230	51	21	2215	
Yorks E.R.	Leconfield	18	10	10	-																	
Lincoln	Cranwell	76	12	12	-	0	3	10	165	415	130	0	7.8	230	25	28	14	220	36	28	1350	
	Binbrook	118	10	10	-	0	4	14	263	332	111	0	9.1	220	27	28	12	240	44	22	0010	
	Manby	26	10	10	-	0	3	5	227	343		0	8.2	240	23	21	24	230	37	21	2300	
3 ENGLAND, E.																						
Norfolk	Marham	33	10	10	-	0	1	1	140	390	189	0	7.0	230	22	22	01	230	34	28	1620	
	Watton	71	12	10	-	0	5	16	283	338	67	16	9.9	240	29	22	01	240	44	22	0035	
	Coltishall	29	10	10	-	0	0	0	140	380	200	0	6.6	240	21	22	01	250	35	22	0100	
	Gorleston	16	13	13	-	0	2	5	242	364	109	0	8.6	180	23	28	13	230	37	22	0055	
Suffolk	Mildenhall	30	25	18	-	0	0	0	66	261	393	0	4.2	240	21	21	24	240	41	22	0010	
Bedford	Bedford	98	13	9	-	0	1	1	240	406	73	0	8.8	220	22	21	23	220	35	21	2300	
	Cardington	69	41	41	-	0	4	19	224	397	80	0	9.1	240	27	21	23	240	41	21	2245	
Hertford	Garston	94	15	10	-	0	0	0	22	402	296	0	4.3	250	14	22	01	250	30	22	0040	
	Rothamsted	141	13	10	-	0	0	0	21	477	222	0	5.2	240	15	21	23	240	34	21	2240	
Essex	Stansted	107	9	9	-	0	0	0	187	370	163	0	7.3	240	20	21	23	230	33	21	2350	
	Shoeburyness	36	32	28	-	0	4	8	355	329	28	0	11.0	190	23	28	10	250	36	22	0145	
4 MIDLAND COUNTIES																						
Yorks W.R.	Sheffield	162	25	11	-	0	2	8	159	386	160	7	7.6	230	28	21	23	230	44	21	2240	
	Church Fenton	18	10	10	-	0	0	0	103	468	149	0	6.6	220	19	28	13	250	37	28	1220	
Notts.	Watnall	130	13	10	-	0	3	7	109	378	226	0	6.4	250	26	21	24	260	43	21	2315	
	Finningley	19	10	10	-	0	2	2	236	371	111	0	8.6	220	23	28	14	22				



TABLE II (continued)—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— SEPTEMBER, 1969

DISTRICT COUNTY AND PLACE		HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
					Dates of Occurrence	Dura- tion (hr)	No. of days	Duration in Hours				Veer from N	Speed in knots	Hour ended at day hour		Veer from N	Speed in knots	Day and Time																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
5. ENGLAND, S.E. — contd.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

† Anemograph dismantled for re-erection. • Defective record. ‡ Record ceased. § Incomplete record. ¶ Anemograph out of order. \*\* Record ceased temporarily.

TABLE III — SUMMARY OF DAILY OBSERVATIONS SEPTEMBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS										MEAN EARTH TEMPERATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-40 Average	HIGHEST MAXIMUM AND LOWEST MINIMUM				Total fall (mm.)	Percentage of 1931-50 average			MOST IN A DAY		Precip'n	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-40 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date			30 cm.	122 cm.	Amount (mm)	Date															0.2 mm or more	1.0 mm or more																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
			0 SCOTLAND, N.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS SEPTEMBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days												BRIGHT SUNSHINE				
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916-50 average	Most in a DAY	Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure	
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date						0.2 mm or more	1.0 mm or more														
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date						0.2 mm or more	1.0 mm or more														
0 SCOTLAND, N. -contd.																																
Inverness																																
Benbecula ...	21-9	6	14.3	9.7	12.0	-0.3	17.9	18	5.4	14	-	-	176	164	24	11	24	19	0	0	0	2	1	0	0	0	0	3	3.34	-	-	
Isle of Rhum €	99	5	15.4	9.4	12.4	-	21.1	17	5.0	14	14.4	13.6	316	133	60	9	21	19	0	0	1	0	0	0	0	0	-	7	-	-		
Prabost ...	99	67	14.3	8.8	11.5	-	21.1	17	3.9	22, 28	-	-	290	169	46	23	25	20	0	0	1	2	1	0	0	1	10	8.07	-	-		
Duntulm ...	99	90	13.7	8.6	11.1	-0.7	20.0	17	3.3	28	-	-	248	193	44	9	22	20	0	0	1	0	0	1	0	0	4	2.83	83	-		
Onich ...	99	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Fort William €	99	8	15.8	8.9	12.3	-	18.9	1, 18	2.8	2	13.7	14.1	203	132	64	21	20	17	0	0	0	0	0	0	0	1	-	2.77	-	-		
Corpach ...	99	8	16.2	8.8	12.5	-	20.6	17	2.2	27, 29	-	-	214	-	61	21	16	16	0	0	1	0	0	0	0	5	2	-	-	-		
Fort Augustus ...	99	21	15.8	8.6	12.2	+0.3	20.6	17	3.3	16	-	-	139	-	(48)	21	18	16	0	0	0	0	0	0	0	-	4	3.15	-	-		
Inverness ...	99	4	15.9	8.3	12.1	-	21.1	17	2.8	16	-	-	55	90	19	21	15	13	0	0	0	0	0	0	0	1	-	4.56	-	-		
Coire Cas Shieling	99	762	11.7	5.3	8.5	-	16.1	5, 7	-1.1	29	-	-	86	-	17	9	20	14	3	1	0	0	0	1	2	-	7	-	-	-		
Cairngorm ...	99	1090	8.8	3.2	6.0	-	13.9	5, 7	-3.9	29	-	-	127	-	(23)	9	20	16	5	2	0	0	0	-	4	-	12	-	-	-		
Achnagoichan ...	99	305	15.1	6.7	10.9	-	21.7	17	-0.6	16	11.0	-	59	76	(16)	21	14	14	-	-	-	-	-	2	10	-	-	-	-	-		
Glenmore Lodge	99	341	15.1	5.8	10.5	+0.2	19.8	17	-1.5	15, 16	-	-	45	51	12	21	15	10	-	0	-	-	-	0	2	11	-	4.47	-	-		
1 SCOTLAND, E.																																
Nairn																																
Nairn ...	99	6	16.6	8.4	12.5	+0.2	21.7	5, 17, 18	0.0	15	-	-	47	81	17	21	16	9	0	0	0	0	0	0	0	3	-	3	4.44	108	-	
Moray																																
Grantown-on-Spey	99	229	15.3	5.2	10.3	-	21.1	5	-4.4	15	-	-	39	-	12	21	15	12	1	0	0	0	0	0	2	12	-	1	-	-	-	
Forres ...	99	47	16.4	9.1	12.7	+0.4	21.7	5	2.8	15	13.6	13.9	35	58	12	21	9	9	0	0	0	0	0	0	0	-	2	3.71	93	-		
Kinloss ...	21-9	5	16.2	8.7	12.5	+0.2	21.1	7	-0.5	15	12.6	-	40	67	12	21	16	7	0	0	0	1	0	0	1	5	1	5	3.91	-	-	
Elgin ...	99	15	16.3	8.7	12.5	-	21.1	4, 7, 19	0.0	15	-	-	38	57	11	21	17	12	0	0	0	0	0	0	0	0	-	0	3.96	-	-	
Lossiemouth ...	99	6	16.3	8.3	12.3	+0.2	21.7	4, 7	0.6	15	-	-	50	79	11	21	16	12	0	0	0	0	0	0	0	4	0	5	-	-	-	
Gordon Castle ...	99	32	16.3	8.4	12.3	+0.1	22.2	7	2.2	15	-	-	35	45	7	21	16	12	0	0	0	0	0	-	0	-	2	3.92	99	-		
Banff																																
Glenlivet ...	21-9	215	15.4	7.1	11.3	-	21.1	7	-2.6	15	-	-	40	-	9	21	14	10	0	0	0	0	0	0	2	4	2	2	3.97	-	8	
Banff ...	99	24	15.7	9.4	12.5	-	20.6	8	5.0	16, 28	-	-	38	-	8	26	15	10	0	0	1	0	0	0	0	-	4	3.05	-	-		
Aberdeen																																
Braemar ...	99	339	15.2	6.7	10.9	+0.7	21.1	4, 5	-1.1	15	-	-	42	56	10	16	15	8	-	0	-	-	-	0	1	-	-	4.27	-	-		
Balmoral ...	99	283	15.0	6.2	10.6	+0.1	22.2	4	-2.2	15	-	-	42	58	10	21	14	9	1	0	0	0	0	-	3	8	-	2	-	-	-	
Dinnet ...	99	177	16.3	7.0	11.7	-	24.4	7	0.0	16	12.4	-	29	-	6	10	13	8	-	0	-	-	-	1	0	6	-	-	4.26	-	-	
Gartley ...	99	160	15.4	6.7	11.1	-	22.2	7	0.0	15, 16	-	-	34	-	8	11	17	10	-	-	-	-	-	-	0	4	-	-	-	-	-	
Inverurie Swge. Wks.	99	54	16.0	7.4	11.7	-	22.2	5	-0.6	16	-	-	21	-	7	11	12	6	0	0	0	0	0	0	1	5	-	1	3.22	-	-	
Fyvie Castle ...	99	66	16.3	7.3	11.8	-	22.2	5, 6, 7	-0.6	15	-	-	32	41	8	11	10	8	0	0	0	0	0	-	1	4	-	2	3.55	-	-	
Craibstone ...	99	91	15.3	8.3	11.8	+0.2	21.7	5	3.9	15, 28, 29	13.0	13.0	22	29	7	11	11	6	0	0	0	0	0	0	0	0	-	3	3.32	76	-	
Dyce ...	21-9	58	15.9	7.8	11.9	+0.2	22.1	5	0.5	16	-	-	21	26	7	11	10	6	0	0	0	0	0	0	0	5	0	3	3.24	-	-	
Aberdeen ...	99	52	15.4	7.9	11.7	-0.1	21.1	2, 8	1.7	16	-	-	26	35	10	11	10	7	0	0	0	0	0	1	0	0	-	3	3.95	93	-	
Fraserburgh ...	21-9	18	14.9	10.3	12.6	-	20.6	8	6.0	27	-	-	36	-	7	26	11	9	1	0	2	0	0	0	0	0	4	3.86	-	-		
Kincaidine																																
Fettercairn ...	99	171	15.1	7.6	11.3	+0.1	21.1	5	3.3	28, 29	-	-	34	38	8	10	16	7	0	0	0	0	0	1	0	3	-	3	3.39	-	8	
Strachan ...	99	120	15.8	6.2	11.0	-	22.8	7	-2.2	16	12.1	-	32	-	8	11	11	8	0	0	0	0	0	1	1	5	-	3	4.30	-	-	
Banchory ...	99	77	16.4	7.4	11.9	-	23.9	2	0.6	16	-	-	27	-	8	11	11	8	0	0	0	0	0	1	0	1	-	2	-	-	-	
Angus																																
Mylnefield €	99	30	16.6	9.4	13.0	-	23.3	5	3.3	29	13.5	12.9	40	66	14	16	12	9	0	0	0	0	0	0	1	0	3	-	0	4.66	-	-
Dundee ...	99	45	17.1	9.8	13.5	+1.1	24.4	5	3.3	29	14.1	-	40	59	11	16	12	10	0	0	0	0	0	0	1	0	2	-	3	4.36	-	-
Glamis Castle ...	99	61	16.2	7.9	12.1	-	23.3	5	2.2	15, 16, 28	-	-	50	68	19	16	14	7	0	0	0	0	0	0	1	0	6	-	3	-	-	-
Whitehilllocks ...	99	258	15.3	6.4	10.9	-	22.2	5	-1.7	28	-	-	53	55	12	21	17	12	0	0	0	0	0	0	1	4	-	1	-	-	8	
Buddon Ness ...	99	5	16.6	9.1	12.9	+0.9	23.9	5	3.9	15, 21	-	-	55	86	24	16	13	10	0	-	0	0	0	0	1	0	-	2	-	-	-	
Carnoustie ...	99	9	16.9	9.7	13.3	-	23.9	5	2.8	29	14.9	-	47	70	21	16	8	6	0	0	0	0	0	0	1	0	1	-	2	4.30	-	-
Arbroath ...	99	28	16.1	9.4	12.7	+0.5	22.2	2, 5	3.3	27, 29	-	-	43	68	16	16	13	6	0	0	0	0	0	0	1	0	2	-	2	4.72	102	-
Usan ...	21-9	30	15.9	9.5	12.7	-	22.5	2	3.3	29	-	-	28	-	7	11	9	6	0	0	0	0	0	0	1	0	0	3	4.49	-	-	
Montrose ...	99	57	15.8	8.6	12.2	-	22.2	2	2.8	29	-	-	28	42	8	10	9	6	0	0	0	0	0	0	1	0	1	-	2	-	-	
Perth																																
Aberfoyle ...	99	27	16.3	8.2	12.3	-	22.2	2	0.6	15	-	-	94	-	22	21	16	13	0	-	0	0	0	-	0	2	-	1	-	-	-	
Dall ...	99	232	15.4	6.8	11.1	-	19.6	1	-0.3	15	-	-	90	-	22	21	18	12	0	0	0	0	0	1	0	1	8	-	3	-	-	
Callander ...	99	107	16.2	8.5	12.3	-	22.2	2	2.2	29	-	-	108	-	23	21	17	16	0	0	0	0	0	0	0	2	-	1	-	-	-	
Ardtnaig ...	99	130	15.8	8.8	12.3	-	21.7	1	3.9	15	-	-	85	80	15	21	20	17	0	0	0	0	0	0	0	0	-	0	-	-	-	
Gleneagles ...	99	152	15.4	6.8	11.1	-	21.1	3	-1.1	28	-	-	60	-	13	16	15	14	0	-	0	0	0	0	2	1	7	-	1	3.86	-	-
Pitlochry ...	99	144	15.6	7.8	11.7	-	20.6	4, 5	1.1	15	-	-	50	71	12	16	16	13	0	0	0	0	0	0	0	4	-	0	3.88	-	-	
Fowls Wester ...	99	140	15.4	7.9	11.7	-	22.2	5	1.1	29	13.7	-	73	-	13	17	17	13	0	0	0	0	0	0	0	3	-	1	3.85	-	-	
Faskally ...	99																															



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS SEPTEMBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days												BRIGHT SUNSHINE				
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-50 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1911-50 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at thr.	Hail	Ice Pellets etc.	Thunder heard	Fog at thr.	Air Frost	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-50 average	Exposure
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date															
1 SCOTLAND, E. — contd.																																
Berwick — contd.																																
Marchmont ...	99	152	15.6	8.6	12.1	+0.2	23.3	5	1.7	29	-	-	71	107	23	10	16	11	0	0	0	0	0	2	0	-	-	3	2.95	75	S	-
Whitchester ...	99	255	14.9	8.1	11.5	-	22.2	2.5	1.7	29	-	-	71	99	25	10	19	13	0	0	0	0	0	-	0	-	-	2	-	-	-	-
St. Abb's Head	99	75	15.2	9.9	12.5	-	21.5	5	3.3	29	-	-	-	-	-	-	-	-	0	0	0	0	0	1	0	0	-	3	-	-	-	-
Peebles																																
Stanhope Farm	99	226	15.4	8.3	11.9	-	20.0	2	2.8	30	-	-	71	74	13	10	13	11	0	0	0	0	0	0	0	1	-	1	-	-	-	-
Blyth Bridge ...	99	253	15.1	8.1	11.6	-	19.4	2	3.3	28,30	-	-	58	70	14	10	15	11	0	0	0	0	0	0	0	4	-	5	3.15	-	-	-
West Lynton ...	99	244	15.1	6.4	10.7	-	20.0	2	-0.6	29	13.0	13.7	61	66	19	10	17	11	0	0	0	0	0	0	1	1	-	1	-	-	-	-
Glentress ...	99	177	15.9	8.2	12.1	-	21.7	2	2.8	28,29	-	-	48	73	18	10	15	10	-	0	-	-	-	1	0	-	-	-	-	-	-	-
Selkirk																																
Bowhill ...	99	183	16.1	8.4	12.3	-	22.2	2	1.7	29	-	-	66	92	20	10	13	10	0	0	0	0	0	1	0	-	-	4	-	-	-	-
Galashiels ...	99	198	15.5	8.7	12.1	-	21.1	2	3.3	29	-	-	61	-	24	10	15	11	0	0	0	0	0	2	0	0	-	2	3.21	-	S	-
Roxburgh																																
Wauchope ...	99	171	15.9	7.3	11.6	-	22.8	5	0.6	30	-	-	67	82	28	10	15	10	0	0	0	0	0	0	0	-	-	2	-	-	-	-
Kelso ...	99	35	16.9	8.7	12.8	-	23.9	5	1.7	29	-	-	56	-	25	10	12	6	0	0	0	0	0	1	0	1	-	1	3.07	-	-	-
Sourhope ...	99	219	15.8	8.4	12.1	+0.6	22.8	2.5	2.2	29	-	-	-	-	-	-	-	-	0	0	0	0	0	0	1	0	3	-	1	2.79	-	-
6a SCOTLAND, W.																																
Argyll																																
Tiree ...	21-9	9	14.7	10.4	12.5	-0.1	16.6	4	5.8	14	-	-	111	105	20	9	19	14	0	0	0	1	0	0	0	1	0	4	3.65	86	-	-
Rhuvaal ...	21-9	20	15.2	11.0	13.1	-	17.5	21	7.6	12	-	-	115	82	19	25	19	14	0	0	0	0	0	0	0	0	0	2	-	-	-	-
Colonsay ...	99	27	15.0	9.6	12.3	-0.4	17.8	6	7.2	12,15,29	-	-	103	81	15	25	19	18	0	-	0	0	0	0	0	-	-	1	-	-	-	-
Aros ...	99	37	16.1	8.6	12.3	-	22.8	17	3.3	2,14	-	-	153	-	21	25	20	16	0	0	0	0	0	0	0	-	2	-	-	-	-	-
Craighouse ...	99	3	15.7	9.9	12.8	-	17.8	1,10,21	6.1	30	-	-	117	-	18	25	21	17	-	0	-	-	-	0	0	-	-	-	-	-	-	-
Machrihanish ...	21-9	10	15.9	10.5	13.2	-	19.8	21	4.2	2	-	-	62	-	11	17	16	13	0	0	0	1	0	0	0	1	0	2	3.30	-	-	-
Campbeltown ...	99	3	16.3	10.7	13.5	-	21.1	21	6.7	2	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	-	1	3.20	-	-	-	-
Achaglachgach ...	99	12	16.3	7.8	12.1	-	20.0	5	2.8	2	-	-	106	74	19	20	19	14	0	-	0	0	0	0	0	0	-	0	-	-	-	-
Knapdale Forest ...	99	40	15.4	8.8	12.1	-	18.3	17	4.4	1,15	-	-	123	-	20	25	20	16	0	0	0	0	0	0	0	3	-	4	-	-	-	-
Glenbranter ...	99	24	15.8	9.1	12.5	-	18.9	1	2.8	15	-	-	153	-	44	25	19	15	-	0	-	-	-	1	0	0	-	-	-	-	-	-
Glen Etive ...	99	24	16.0	8.8	12.4	-	20.6	17	1.7	1,2	-	-	212	-	57	21	19	17	0	0	0	0	0	-	0	3	-	2	-	-	-	-
Benmore Y.B.G. *	99	12	15.7	9.7	12.7	-	20.6	1	3.3	15	-	-	166	79	33	25	19	15	0	0	0	0	0	0	0	0	-	0	-	-	-	-
Bute																																
Kildonan ...	21-9	18	15.5	10.6	13.1	-	18.7	3	5.2	29	-	-	77	-	15	25	13	13	0	-	0	0	0	0	0	0	0	3	3.87	-	-	-
Brodick Castle ...	99	15	16.5	9.7	13.1	-	20.6	5	5.6	30	14.9	-	107	-	19	26	16	15	0	0	0	0	0	0	0	0	-	0	-	-	-	-
Rothsay ...	99	43	15.6	10.1	12.9	+0.4	18.3	1,21,24	5.6	29	13.1	12.9	91	71	22	26	17	14	0	0	0	0	0	0	0	0	-	0	3.19	86	-	-
Dunbarton																																
Finnart ...	99	15	15.9	10.7	13.3	-	19.4	2	6.7	15,29	-	-	114	-	26	25	17	16	-	0	-	-	-	-	0	-	-	-	-	-	-	-
Helensburgh ...	99	89	15.3	9.2	12.3	+0.1	20.6	2	3.3	29	-	-	95	77	13	25	19	15	0	-	0	0	0	0	0	-	-	0	3.07	89	S	-
Sloy ...	21-9	12	16.1	10.1	13.1	-	21.3	2	3.4	15	-	-	220	-	51	25	22	18	0	-	0	0	0	0	0	-	-	2	-	-	-	-
Cumbernauld ...	99	94	16.2	8.4	12.3	-	21.1	2	1.7	29	-	-	62	-	10	14	12	0	0	0	0	0	0	0	1	-	1	-	-	-	-	-
Stirling																																
Earl's Hill ...	21-9	335	13.3	7.8	10.5	-	18.4	2	1.4	29	-	-	92	-	14	10	16	13	0	-	0	0	0	4	0	1	1	9	3.81	-	-	-
Stirling ...	99	46	16.3	10.1	13.2	+0.5	22.2	2,3	4.4	29	14.6	14.1	51	58	10	21	15	12	0	0	0	0	0	0	0	1	-	2	3.20	-	-	-
Falkirk Swge. Wks.	99	3	16.7	9.7	13.2	-	22.8	2	4.4	29	-	-	55	-	13	10	15	13	0	0	0	0	0	0	0	-	-	1	3.78	-	-	-
Grangemouth ...	99	4	16.7	10.2	13.5	-	22.2	2	5.6	29,30	-	-	41	-	13	10	14	11	0	0	0	0	0	0	0	0	-	0	-	-	-	-
Renfrew																																
Greenock ...	99	61	15.3	10.4	12.9	+0.1	20.0	2	6.1	27,29	-	-	94	69	16	21	16	14	0	0												



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS SEPTEMBER, 1969

DISTRICT, COUNTY AND PLACE		Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE			
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1916-50 average	Most in A DAY	Precip'n 0.2 mm or more	10 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frosty	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure		
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date																						
				Max. (A)	Min. (B)	Daily Mean (mean of A & B)	Difference from 1931-60 average	Maximum	Date	Minimum	Date	30 cm.	122 cm.	Amount (mm)	Date	0.2 mm or more	10 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frosty	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure			
6b	ISLE OF MAN																																
	Ronaldsway ...	21-9	17	16.4	10.6	13.5	-	18.4	18	6.6	12	-	-	56	69	30	9	9	6	0	0	0	0	0	0	0	0	0	3.76	-	-	-	
	Douglas ...	9 9	87	15.7	10.5	13.1	0.0	18.3	8, 18	6.1	30	-	-	63	58	36	10	12	9	0	0	0	0	0	0	0	0	0	4	3.86	84	-	-
	Point of Ayre ...	21-9	9	16.8	10.9	13.7	-	21.0	21	7.2	12	-	-	51	70	18	9	10	7	0	0	0	0	0	0	0	0	0	2	4.18	-	-	-
2	ENGLAND, N.E.																																
	Northumberland																																
	Kielder Castle ...	9 9	201	15.6	7.0	11.3	-	22.2	5	-0.6	29, 30	13.5	-	102	91	24	10	18	14	0	0	0	0	0	3	2	2	-	1	-	-	-	-
	Haydon Bridge ...	9 9	79	17.2	8.9	13.1	-	21.1	3	2.2	29	14.5	14.6	68	-	25	10	15	10	0	0	0	0	0	3	0	2	-	1	-	-	-	-
	Corbridge ...	9 9	49	17.1	8.0	12.5	-	21.1	2, 5, 8	1.7	30	-	-	53	-	17	17	11	8	0	0	0	0	0	3	0	2	-	2	-	-	-	-
	Berwick-on-Tweed †	9 9	23	16.1	9.7	12.9	+0.5	20.6	8	3.9	29	-	-	60	117	36	10	14	7	0	0	0	0	0	0	0	0	0	2	3.48	77	-	-
	Acklington ...	21-9	42	16.5	9.3	12.9	+0.8	21.8	2	2.5	29	-	-	54	95	22	10	10	6	0	0	0	0	0	0	0	1	0	2	2.98	-	-	-
	Tynemouth §§	21-9	29	16.3	11.2	13.7	+0.5	20.9	2, 9	4.5	29	-	-	49	83	12	11	12	7	0	0	0	0	0	1	0	0	0	2	2.85	69	-	-
	Seahouses ...	21-9	11	16.3	10.3	13.3	-	20.7	8	3.7	29	-	-	59	-	17	10	8	5	0	0	0	0	0	0	0	0	0	0	3.15	-	-	-
	Durham																																
	Chopwellwood ...	9 9	136	16.5	9.2	12.9	+0.4	21.1	9	3.3	29	-	-	78	125	23	19	12	8	0	0	0	0	0	1	0	3	-	0	-	-	-	-
	Upshaw College ...	9 9	181																														
	Houghall ...	9 9	37	17.4				21.7	3, 5, 7	2.8	20, 28	-	-	61	98	1	17	11	7	0	0	0	0	0	1	0	4	-	0	3.29	82	-	-
	Durham §§	9 9	102	17.1	9.8	13.5	+0.8	22.8	3	3.9	29	14.6	14.0	58	97	17	17	12	8	-	-	-	-	3	0	1	-	-	3.30	80	-	-	-
	Hartlepool ...	9 9	9	17.1	11.1	14.1	-	21.1	8, 9	5.0	29	-	-	54	98	22	11	11	7	0	0	0	0	0	0	0	-	-	1	3.29	-	-	-
	Yorks., N. Riding																																
	Leeming ...	21-9	32	17.6	10.2	13.9	-	22.6	3	3.9	20, 29	-	-	53	-	29	11	8	5	0	0	0	0	1	1	0	2	0	0	3.23	-	-	-
	York (Heslington) ...	9 9	20	17.9	9.7	13.8	-	23.3	3, 5	2.2	30	14.7	14.4	41	-	17	12	9	6	-	-	-	-	1	0	0	-	-	3.29	-	-	-	
	Ampleforth ...	9 9	95	17.0	9.6	13.3	+0.2	22.2	3	4.4	23	-	-	59	91	17	17	9	6	0	0	0	0	1	2	0	4	-	0	3.01	74	-	-
	Redcar ...	9 9	8	17.2	11.0	14.1	-	22.2	9	6.1	29	-	-	55	106	20	11	10	8	-	-	-	-	0	0	0	-	-	3.12	-	-	-	-
	Pickering ...	9 9	44	17.6	8.7	13.1	-	22.8	5	1.1	20, 30	-	-	56	-	23	17	11	7	0	0	0	0	0	1	0	4	-	0	-	-	-	-
	Whitby ...	9 9	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Scarborough ...	9 9	36	-	-	-	-	19.4	7, 8, 24	5.6	29	-	-	36	67	18	11	9	6	0	0	0	0	0	2	0	0	-	0	(3.70)	81	-	-
	Silpho Moor ...	9 9	203	16.3	8.9	12.4	-	20.0	9	2.8	29	13.1	-	68	99	20	17	14	11	0	0	0	0	0	5	0	3	-	0	3.87	-	-	-
	Whitby Coast Guard	21-9	63	16.4	10.3	13.3	-	21.8	7	4.0	28	-	-	49	-	17	12	11	4	0	0	0	0	2	1	0	0	0	0	-	-	-	-
	Yorks., E. Riding																																
	High Mowthorpe ...	9 9	175	16.6	9.6	13.1	-	21.7	5	3.3	29	13.4	-	68	109	26	17	11	10	0	0	0	0	0	3	0	2	-	0	3.43	-	-	-
	Hull §§	9 9	2	18.1	10.5	14.3	-0.1	22.2	11	5.6	20, 30	14.8	14.4	37	72	17	16	12	5	0	0	0	0	1	0	0	2	-	0	3.73	86	-	-
	Filey ...	9 9	37	(16.3)	9.8	(13.5)	-	21.1	11	2.8	20	-	-	48	87	21	12	8	5	0	0	0	0	0	0	2	-	0	0	3.85	-	-	-
	Bridlington §§	9 9	48	16.5	9.6	13.1	0.0	21.1	11	2.8	29, 30	-	-	42	72	16	12	11	6	0	0	0	0	1	2	0	0	-	1	3.72	81	-	-
	Kilnsea ...	21-9	12	16.1	11.8	13.9	-	21.6	11	5.5	29	-	-	22	-	15	17	6	4	0	0	0	0	0	1	0	-	-	2	3.74	-	-	-
	Lincoln																																
	Waddington ...	21-9	68	17.1	10.1	13.6	-0.2	22.1	11	3.5	30	-	-	20	-	12	12	9	4	0	0	0	0	1	0	0	0	0	0	3.99	89	-	-
	Lincoln §	9 9	7	17.7	9.0	13.3	-0.4	22.2	11	1.1	29	15.2	14.7	27	54	19	12	9	3	0	0	0	0	0	0	0	4	-	0	3.95	-	-	-
	Cranwell §§	9 9	62	17.4	9.8	13.6	-0.2	22.6	11	3.3	30	15.2	14.9	14	27	6	12	8	3	0	0	0	0	0	2	0	1	0	0	3.84	84	-	-
	Brigg ...	9 9	3	18.3	9.4	13.9	-	22.8	3	2.8	30	-	-	35	-	19	12	11	5	0	0	0	0	1	1	0	4	-	0	-	-	-	-
	Caistor ...	9 9	30																														
	Binbrook ...	21-9	108	16.9	10.5	13.7	-	21.5	11	3.3	30	-	-	27	-	9	12	10	5	0	0	0	0	2	3	0	2	0	0	-	-	-	-
	Cleethorpes ...	9 9	7	17.1	11.1	14.1	-0.3	22.2	11	3.9	30	-	-	32	67	15	17	12	8	0	0	0	0	0	1	0	0	-	0	3.73	78	-	-
	Manby ...	21-9	17	17.7	10.1	13.9	-	23.0	11	1.6	30	15.4	-	13	27	6	17	9	3	0	0	0	0	0	2	0	5	0	0	4.18	-	-	-
	Skegness ...	9 9	5</																														



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS SEPTEMBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Terminal hr. GMT Min.	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days												BRIGHT SUNSHINE					
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916-50 average	MOST IN A DAY		Precip'n		Snow or frost at 9hr.	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost† below 0°C	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure	
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date	0.2 mm or more	1.0 mm or more														
3 ENGLAND, E. — contd.																																
Essex																																
Harlow ...	99	79	19.1	10.2	14.7	-	22.2	11	-0.6	30	-	15.5	11	-	4	26	5	5	0	0	0	0	0	1	1	-	-	0	3.09	-	-	
Stansted ...	99	101	18.4	10.5	14.5	+0.6	21.5	11	0.8	30	-	-	4	7	2	21	4	1	0	0	0	0	0	1	0	4	1	0	-	-	-	
Writtle ...	99	32	19.3	10.0	14.7	-	27.2	12	-1.1	30	15.4	-	6	12	2	21	9	2	0	0	0	0	0	1	1	3	-	0	4.07	-	-	
Southend ...	99	27	12.4	-	-	-	27.8	12	5.0	30	-	-	4	10	1	15.28	5	3	0	0	0	0	0	0	0	-	-	0	3.73	73	-	
Maldon ...	99	4	19.1	11.2	15.1	-	24.4	12	2.2	30	-	-	6	-	2	21	9	3	0	-	0	0	0	0	0	-	-	0	-	-	-	
Earls Colne ...	99	49	19.6	10.2	14.9	-	26.1	12	-0.6	30	15.6	15.3	1	2	1	26	2	0	-	0	-	-	-	0	1	2	-	-	-	-	-	
Shoeburyness ‡	21-9	2	18.8	11.9	15.3	+0.1	24.1	12	3.0	30	-	-	3	8	1	14	5	1	0	0	0	0	0	1	0	2	0	0	4.85	95	-	
Clacton-on-Sea €	99	16	18.7	12.7	15.7	+0.7	21.7	12	5.0	30	16.8	15.9	1	2	1	1	3	0	0	0	0	0	0	0	0	-	-	0	5.48	103	-	
Walton-on-Naze	21-9	5	18.4	12.8	15.6	-	21.8	21	5.8	30	-	-	4	-	3	1	4	1	0	0	0	0	3	0	0	0	0	0	0	5.71	-	-
Dovercourt ...	99	3	18.9	11.5	15.2	+0.1	22.2	11	3.3	28	-	-	5	10	4	1	3	1	0	-	0	0	0	0	0	1	-	0	-	-	-	
4 MIDLAND COUNTIES																																
Yorks., W. Riding																																
Slaidburn ...	99	192	16.2	9.1	12.7	-	21.7	3	2.2	20	-	-	84	57	17	10	15	13	0	0	0	0	0	0	0	1	-	0	2.96	-	-	
Malham Tarn ...	99	395	15.1	8.1	11.6	-	21.1	3	1.1	29	13.5	-	92	72	21	20	14	12	0	0	0	0	0	0	0	1	-	0	2.84	-	-	
Huddersfield §	99	99	17.8	-	-	-	23.9	3	-	-	14.7	14.4	33	53	9	11	12	9	-	0	-	-	-	1	-	2	-	-	3.34	86	-	
" Oakes	21-9	235	16.9	9.5	13.2	-	23.6	3	2.9	30	13.8	12.7	54	73	17	11	15	11	0	0	0	0	1	1	0	3	0	3	3.43	90	-	
Bradford ¶	99	134	16.9	10.1	13.5	+0.4	22.2	3	3.3	29	14.5	14.6	54	82	21	11	11	9	0	0	0	0	1	1	0	4	-	2	-	-	-	
Ilkley ...	99	96	17.7	9.8	13.7	+0.6	22.8	3	2.8	29	-	-	79	107	34	11	11	10	0	0	0	0	1	1	0	-	1	3.04	79	-	-	
Sheffield ...	99	131	17.3	10.4	13.9	+0.1	22.8	3	5.0	30	14.7	14.8	39	66	10	12	14	7	0	-	0	0	1	-	0	0	-	0	2.51	65	-	
Pontefract ...	99	78	17.4	9.9	13.7	+0.2	22.2	3	3.9	30	-	-	45	90	16	12	11	6	0	0	0	0	0	2	0	0	-	0	-	-	-	
Bramham ...	99	54	17.8	9.9	13.9	-	22.8	3	2.2	29	-	-	35	78	17	12	10	5	0	0	0	0	0	1	0	2	-	0	3.31	-	-	
Cawood ...	99	6	17.8	9.1	13.5	-	23.3	3	1.1	30	14.7	14.9	39	75	22	12	7	6	0	0	0	0	1	1	0	2	-	0	3.03	-	-	
Askham Bryan ...	99	34	17.9	9.3	13.6	-	22.8	3	2.2	20	-	-	40	73	16	12	8	8	0	0	0	0	1	1	0	0	-	0	3.39	86	-	
Derby																																
Buxton €	99	307	15.2	8.7	11.9	+0.1	20.0	3	1.7	20,30	-	-	62	63	26	11	11	10	0	0	0	0	3	0	-	-	0	-	-	-	-	
Ashover ...	99	186	16.2	9.3	12.7	-	21.7	3	1.1	30	-	-	43	-	17	11	12	9	0	0	0	0	1	4	0	5	-	0	3.11	-	-	
Derby ...	99	48	17.8	9.9	13.9	-	23.3	3	1.7	30	-	-	20	33	7	11,12	8	5	0	0	0	0	1	1	0	2	-	1	2.96	-	-	
Morley ...	99	107	17.3	9.1	13.2	-	22.2	3	1.7	20	-	-	23	37	10	12	8	5	0	-	0	0	1	-	0	3	-	0	3.41	-	-	
Wingerworth ...	99	127	17.0	8.6	12.8	-	22.2	3	1.1	20	15.1	-	38	-	17	11	12	7	0	0	0	0	1	2	0	4	-	0	-	-	-	
Nottingham																																
Sutton Bonington	99	48	-	(8.9)	-	-	-	-	-1.1	30	15.2	15.1	16	35	5	11	8	5	0	0	0	0	1	1	1	3	-	0	3.36	84	-	
Watnall ...	21-9	117	17.1	9.6	13.3	-0.3	22.2	3	1.4	30	-	-	21	37	10	12	10	3	0	0	0	0	1	2	0	5	0	0	2.89	72	-	
Mansfield ...	99	110	16.4	9.4	12.9	-0.7	21.7	3	2.8	30	14.1	-	32	59	12	12	10	8	0	0	0	0	1	1	0	1	-	0	-	-	-	
Nottingham ‡	99	59	(17.8)	(9.4)	(13.6)	-0.6	22.2	3	1.1	30	14.9	15.4	13	26	5	11	9	3	0	0	0	0	1	0	0	1	-	0	3.60	92	-	
Warsop ...	99	46	17.9	8.2	13.1	-	23.3	3	-2.2	30	-	-	27	59	11	12	11	6	-	-	-	-	0	2	5	-	-	0	3.57	-	-	
Finningley ...	21-9	10	18.3	10.1	14.2	+0.3	23.1	3	1.3	30	-	-	33	-	13	12	11	5	0	0	0	0	1	0	0	1	0	0	3.76	-	-	
Leicester																																
Newtown Linford	99	119	16.9	8.8	12.9	-	22.2	3	0.0	30	-	-	19	34	7	11	10	7	0	0	0	0	1	1	0	4	-	0	3.06	-	-	
Caldecott ...	99	53	17.8	8.6	13.2	-	22.2	11	-3.9	30	-	-	13	27	6	11	7	2	-	0	-	-	-	3	4	5	-	-	3.34	-	-	
Northampton																																
Bugbrooke Mills	99	69	(17.9)	8.8	(13.3)	-	22.2	11	-2.2	30	14.6	14.2	23	45	10	12	9	4	-	0	-	-	-	1	1	-	-	-	3.37	-	-	
Raunds ‡	99	59	18.1	9.6	13.9	-0.1	23.3	11	-1.1	30	15.4	14.7	10	19	1	12,28	11	6	0	0	0	0	6	1	3	-	0	0	3.72	87	-	
Wittering ...	99	65	17.8	10.3	14.1	+0.1	22.9	11	1.0	30	-	-	8	16	2	11	9	3	0	0	0	0	3	0	4	1	0	0	3.77	-	-	
Warwick																																
Birmingham K.E.S.*	99	137	(16.3)	(9.7)	(13.0)	-	(21.1)	3	1.1	30	-	-																				



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS SEPTEMBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE					
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1910-50 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure	
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date	0.2 mm or more	1.0 mm or more														
4 MIDLAND COUNTIES — contd.																																	
Hereford																																	
Lyonshall ...	99	155	16.6	9.3	12.9	+0.3	21.1	3	-0.5	30	-	-	36	61	15	11	10	7	0	0	0	0	0	0	1	4	-	-	-	-	-	-	-
Ross-on-Wye ...	99	68	17.3	10.2	13.7	-0.3	21.6	3	-1.3	30	15.4	15.4	24	44	7	11	8	3	0	0	0	0	0	2	1	1	3	1	0	2.78	65	-	-
Preston Wynne ...	99	84	17.1	(8.8)	(12.9)	-	21.1	3,21	-2.8	30	-	-	24	44	7	11	8	3	0	0	0	0	0	0	1	1	3	-	0	2.98	-	-	-
Gloucester																																	
Filton ...	21-9	59	17.4	10.9	14.1	-0.2	21.3	3	1.3	30	-	-	41	58	14	11	11	9	0	0	0	0	0	0	0	3	1	0	3.28	-	-	-	-
Hempsted ...	99	12	17.6	10.1	13.9	-	21.7	3	-1.1	30	16.1	15.7	23	37	11	11	10	5	0	0	0	0	0	1	0	1	-	0	2.98	-	-	-	-
Gloucester ...	21-9	24	17.9	11.2	14.5	-	22.6	3	0.1	30	-	-	18	-	8	11	8	5	0	0	0	0	1	0	0	1	0	0	3.01	-	-	-	-
Cheltenham ...	99	65	17.8	10.4	14.1	-0.2	21.7	3	0.0	30	-	-	21	38	9	11	9	6	-	-	-	-	-	-	-	-	-	-	3.17	-	-	-	-
Cirencester ...	99	135	17.2	9.3	13.3	-	21.1	3	-0.5	30	-	-	23	32	8	11	7	6	0	0	0	0	0	8	1	4	-	0	3.16	-	-	-	-
Little Rissington ...	21-9	226	16.2	10.2	13.2	-	20.0	3	4.6	28	-	-	30	46	8	11	10	5	0	0	0	0	1	5	0	2	0	0	3.24	-	-	-	-
5 ENGLAND, S.E.																																	
Greater London																																	
Kensington Palace	99	25	19.3	11.9	15.6	+0.2	22.8	12	2.8	30	16.3	16.1	4	8	1	14,21	6	2	0	0	0	0	0	0	0	1	-	0	-	-	-	-	-
Hampstead ...	99	137	18.4	11.4	14.9	+0.7	25.6	3	4.0	30	-	-	7	-	2	14,21	8	4	0	0	0	0	0	-	0	1	-	0	3.58	76	S	-	-
St. James's Park	99	4	-	12.5	-	-	-	-	5.0	30	-	-	4	-	1	14	6	1	0	-	0	0	0	-	0	1	-	0	-	-	-	-	-
London/W.Centre	-	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.95	90	-	-	
Greenwich ...	99	7	19.4	11.5	15.5	-	25.0	12	1.1	30	-	-	4	8	2	6	6	2	0	0	0	0	0	0	0	2	-	0	3.70	84	-	-	-
Heathrow ...	21-9	25	19.6	11.8	15.7	+0.8	22.9	11	2.4	30	-	-	3	6	1	21	5	1	0	0	0	0	0	0	0	3	0	0	3.95	-	-	-	-
Hampton ...	99	12	19.3	11.7	15.0	-	24.4	12	2.2	30	-	-	5	10	1	14	8	2	0	0	0	0	0	0	0	1	-	0	3.85	-	-	-	-
Wealdstone ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.51	-	-	-	-
Southgate ...	99	67	18.9	11.2	15.1	-	22.2	3,12	1.7	30	15.7	-	5	9	2	21	6	2	0	0	0	0	0	1	0	2	-	0	4.01	-	-	-	-
Kew ...	21-9	5	19.1	10.4	14.7	-	23.5	12	-1.4	30	15.5	15.0	3	6	1	21	6	0	0	0	0	0	0	0	1	4	2	0	3.97	84	-	-	-
Waddon ...	99	67	-	10.8	-	-	-	-	1.1	30	-	-	6	12	1	13,15	7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Addington ...	99	144	18.3	11.0	14.7	+0.4	25.6	12	2.2	30	-	-	10	18	3	15	10	5	-	-	-	-	-	0	0	-	-	-	-	-	-	-	-
Bromley ...	99	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Surrey																																	
Gatwick ...	21-9	59	19.3	9.8	14.5	+0.4	25.2	12	-0.7	30	-	-	18	32	5	15	10	7	0	0	0	0	2	1	1	4	0	0	4.10	-	-	-	-
Witley ...	99	35	19.2	(10.3)	(14.7)	+0.4	23.3	12	-1.1	30	16.1	15.7	6	13	2	14	10	3	-	0	-	-	-	1	1	4	-	-	3.86	85	-	-	-
Mickleham ...	99	55	18.6	(9.3)	(13.9)	-	24.4	12	-0.5	30	16.2	15.8	11	20	3	15	9	5	0	0	0	0	0	3	0	2	-	0	-	-	-	-	-
Kent																																	
Dartford ...	99	5	19.9	10.6	15.3	-	28.3	12	-0.5	30	-	-	6	12	2	15	7	2	0	0	0	0	0	1	1	-	-	0	-	-	-	-	-
Hadlow College	99	27	19.3	(9.8)	(15.5)	-	26.1	12	0.0	30	15.7	14.8	9	-	3	18	8	4	0	0	0	0	1	1	1	3	-	0	3.74	-	-	-	-
Gillingham ...	99	4	19.7	11.7	15.7	-	26.1	12	3.9	28,30	-	-	7	14	2	21	7	3	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-
Isle of Grain ...	99	3	19.4	(13.3)	(16.3)	-	26.1	12	5.6	30	-	-	3	-	1	21	4	1	0	0	0	0	0	4	0	0	-	0	4.83	-	-	-	-
Dungeness ...	21-9	3	18.9	12.3	15.6	+0.5	24.3	12	3.9	30	-	-	20	39	13	18	4	3	0	0	0	0	3	0	0	-	-	-	-	-	-	-	-
Whitstable ...	99	3	18.7	11.9	15.3	-	27.2	12	3.3	28	-	-	12	28	6	15	9	3	0	0	0	0	1	0	0	-	-	0	5.44	-	-	-	-
Folkstone ...	99	39	19.1	12.9	16.0	-	26.1	12	8.3	30	16.0	-	10	18	8	18	3	2	0	0	0	0	1	0	0	0	-	0	6.08	-	-	-	-
Elmstone ...	99	9	18.9	10.8	14.9	-	27.2	12	2.8	28	-	-	10	-	3	2	9	3	-	-	-	-	-	1	0	0	-	-	-	-	-	-	-
Herne Bay ...	99	6	19.0	12.9	15.9	-	27.2	12	6.7	28	-	-	11	23	7	15	6	2	0	0	0	0	1	0	0	-	-	0	5.32	-	-	-	-
Dover ...	99	6	-	13.3	-	-	-	-	7.2	28	17.6	17.3	10	18	6	18	7	3	0	0	0	0	0	0	0	0	-	0	(5.64)	-	-	-	-
Deal ...	21-9	5	18.3	13.0	15.7	-	22.3	11	6.9	28,30	-	-	9	-	2	1,28	9	4	0	0	0	0	0	3	0	0	0	-	-	-	-	-	-
Manston ...	21-9	44	18.5	12.2	15.3	-	26.6	12	5.0	30	-	-	10	21	6	15	8	2	0	0	0	0	1	3	0	0	0	-	-	-	-	-	-
Ramsgate ...	99	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Margate ...	99	16	18.3	14.1	16.2	+0.6	26.1	12,13	(7.8)	30	16.1	16.1	8	17	6	15	7	1	0	0	0	0	1	2	0	0	-	0	4.93	89	-	-	-
West Malling ...	99	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goudhurst ...	99	85	18.7	10.1	14.4	-	25.0	12	0.0	30	-	-	30	49	23	18	9	4	0	0	0	0	1	1	1	4	-	0	-	-	-	-	-
East Malling ...	99	37	19.3	10.3	14.8	+0.9	26.1	12	0.6	30	15.7	15.6	10	18	2	26	9	6	0	0	0	0	1	2	0	1	-	0	4.45	90	-	-	-
Throwley ...	99	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Faversham ...	99	48	18.4	10.8	14.6	-	26.1	12	2.8	30	16.5	16.1	17	-	5	15	9	7	0	0	0	0	0	2	0	0	-	0	4.98	-	-	-	-
Wye ...	99	56	18.8	10.8	14.8	+0.3	26.1	12,13	2.2	28	15.7	15.4	18	31	6	18	7	5	0	0	0	0	1	4	0	1	-	0	5.31	102	-	-	-
Sussex																																	
Thorney Island	21-9	3	19.2	11.6	15.4	-	22.0	12	4.9	30	-	-	25	46	16	18	8	3	0	0	0	0	1	0	0	0	0	0	3.95	-	-	-	-
Bognor Regis ...	99	7	18.6	12.4	15.5	+0.6	20.6	3,8,12	6.1	30	-	15.9	22	40	20	18	5	2	0	0	0	0	1	0	0	0	-	0	4.57	86	-	-	-
Fernhurst ...	99																																



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS SEPTEMBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE				
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1911-50 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost† below 0°C	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure		
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date	0.2 mm or more	1.0 mm or more															
5. ENGLAND, S.E. — contd.																																		
Hampshire — contd.																																		
Southsea	99	2	19.0	13.6	16.3	+0.7	22.2	7	7.8	30	16.7	16.6	21	37	8	18	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	3.96	75	-
Hayling Island ...	99	4	18.9	12.1	15.5	-	21.7	3,12	4.4	30	-	-	14	-	9	18	8	3	0	0	0	0	1	0	0	-	-	0	-	-	-	-	-	
Long Sutton ...	99	156	17.9	9.9	13.9	-0.1	20.6	3,24	1.1	30	15.4	-	20	32	8	18	10	7	0	0	0	0	0	4	0	1	-	0	3.59	77	-	-		
Alice Holt Lodge	99	115	18.2	10.6	14.4	-	21.1	11	1.1	30	-	-	18	29	6	18	10	7	0	0	0	0	1	3	0	2	-	0	3.66	-	-	-		
S. Farnborough	99	69	18.7	10.7	14.7	+0.5	21.8	11	-0.9	30	-	-	15	29	5	18	9	6	0	0	0	0	0	1	1	3	1	0	3.23	69	-	-		
Isle of Wight																																		
St. Catherine's Pt.	99	16	18.5	11.9	15.2	0.0	21.0	4,11	6.5	30	-	-	36	61	18	18	9	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ventnor *	99	135	18.4	12.8	15.6	+0.3	21.7	11	6.7	30	16.6	16.1	35	51	16	18	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Shanklin ...	99	55	17.9	12.3	15.1	-	20.0	7,8,12	6.7	30	-	-	28	39	15	18	9	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sandown ...	99	4	19.3	13.6	16.5	+1.0	22.2	8	7.2	28	-	-	29	46	16	18	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ryde ...	99	5	18.7	12.7	15.4	0.0	22.2	11	6.7	28	-	-	19	30	9	18	11	7	0	0	0	0	1	0	0	-	-	0	0	0	0	0	0	
Wiltshire																																		
Lacock ...	99	49	17.9	9.2	13.5	-	21.7	3	1.1	28,29	-	-	42	67	14	18	10	7	-	0	-	-	-	1	0	1	-	-	-	-	-	-	-	
West Lavington	99	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Lyneham ...	21-9	145	17.1	10.2	13.6	-0.1	21.3	3	1.6	30	-	-	29	48	6	11	11	8	0	0	0	0	2	4	0	3	1	0	3.44	-	-	-	-	
Larkhill ...	99	132	17.8	10.2	14.0	+0.4	21.1	3	2.0	30	-	-	29	51	14	11	11	6	0	0	0	0	3	0	0	1	1	0	-	-	-	-	-	
Boscombe Down	21-9	126	18.2	10.5	14.3	+0.5	21.7	3	0.9	30	-	-	30	51	16	11	9	7	0	0	0	0	3	0	0	2	1	0	3.30	72	-	-		
Upavon ...	21-9	176	17.5	10.4	13.9	-	21.5	3	1.6	30	-	-	31	49	13	11	11	5	0	0	0	0	3	1	0	3	0	0	-	-	-	-	-	
Porton	99	111	18.1	9.7	13.8	+0.1	21.4	3	-0.9	30	14.5	-	39	61	17	18	9	6	0	0	0	0	1	0	1	1	4	0	3.13	66	-	-		
7a. ENGLAND, N.W.																																		
Cumberland																																		
Sellafield ...	99	13	17.1	10.3	13.7	-	21.7	6	6.1	5,27	-	-	64	59	24	9	9	7	-	0	-	-	-	1	0	0	-	-	2.71	-	-	-	-	
Carlisle	21-9	26	17.1	9.8	13.4	-	22.0	3	4.8	29	-	-	97	-	40	10	12	12	0	0	0	0	0	1	0	0	0	0	3.08	-	-	-	-	
Newton Rigg	99	171	16.1	8.8	12.4	+0.3	21.	4	3.3	29	14.3	-	75	95	30	10	17	10	-	0	-	-	-	1	0	0	-	-	1.97	53	-	-		
Spadeadam	99	274	14.4	7.8	11.1	-	19.4	3	1.7	29	12.5	12.1	87	-	29	10	15	2	0	0	0	0	0	2	0	2	-	0	2.46	-	-	-	-	
Westmorland																																		
Ambleside ...	99	46	17.3	9.8	13.5	-	23.9	6	3.3	29	-	-	127	73	36	10	17	14	0	0	0	0	0	0	0	0	-	0	-	-	-	-		
Great Dun Fell	21-9	847	10.5	6.1	8.3	-	16.2	3	0.0	29	-	-	-	-	-	-	-	-	-	-	-	-	22	0	-	-	-	-	-	-	-	-		
Moor House ...	99	556	12.6	6.2	9.4	-	17.8	3,7	0.0	29	11.0	-	143	75	35	10	16	6	-	0	-	-	-	1	1	6	-	-	2.46	-	-	-	-	
Lancashire																																		
Squires Gate ...	21-9	10	17.4	11.3	14.3	+0.4	20.8	17	3.8	20	-	-	36	48	17	10	12	7	0	0	0	0	1	0	0	0	2	2.89	65	-	-	-		
Aigburth ...	99	14	17.9	11.6	14.7	-	24.8	6.7	5.7	30	17.0	16.8	24	-	14	10	8	6	0	0	0	0	1	0	0	-	0	3.26	-	-	-	-		
Southport ...	99	5	17.3	10.7	14.0	-	20.6	7.8	5.0	28	14.6	12.3	47	57	22	10	14	9	-	0	-	-	-	6	0	-	0	3.07	-	-	-	-		
Poulton-le-Fylde	99	12	17.6	10.6	14.2	-	21.1	19	4.4	11	-	-	25	28	11	21	9	7	0	0	0	0	0	0	0	-	0	-	-	-	-	-		
Grizedale ...	99	91	16.2	8.3	12.3	-	21.7	6.7	1.1	29	15.1	-	117	-	26	9	18	3	0	0	0	0	0	0	4	-	0	-	-	-	-	S		
Speke ...	21-9	22	18.1	11.4	14.7	-	22.9	21	3.4	30	-	-	26	37	10	10	11	6	0	0	0	0	1	0	1	0	0	3.17	-	-	-	-		
Kirkham ...	99	24	(17.4)	(10.1)	(13.7)	-	21.7	18	5.0	20,23,30	-	-	42	44	22	10	9	8	-	0	-	-	-	1	0	0	-	0	3.16	-	-	-	-	
Garstang ...	99	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Bailrigg ...	99	54	17.1	10.7	13.9	-	20.5	18	5.0	29	-	-	51	-	21	10	12	11	-	0	-	-	-	3	0	0	-	-	2.61	-	-	-	-	
Morecambe ...	99	7	17.1	11.5	14.3	+0.4	20.0	5,18	7.2	23,23,30	-	-	58	59	18	10	11	11	0	0	0	0	0	0	0	-	0	3.18	74	-	-	-	-	
Penketh ...	99	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Preston ...	99	33	17.7	10.6	14.1	-	21.1	6	3.3	20	-	-	43	44	17	10	11	8	0	0	0	0	1	1	0	0	-	1	-	-	-	-		
Bolton ...	99	107	17.2	9.7	13.5	-	21.1	8	2.8	28,30	14.4	-	61	-	15	10	12	11	-	0	-	-	-	0	0	4	-	-	3.31	-	-	-	-	
Stonyhurst	99	115	17.1	10.1	13.6	+0.6	21.1	8	4.4	30	-	-	63	55	20	20	13	10	-	0	-	-	-	2	0	-	-	3.19	83	-	-	-	-	
Manchester/ W.Centre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.97	-	-	-	-		
Helmshore ...	99	260	15.8	9.6	12.7	-	20.6	8	3.3	29	13.7	-	69	51	20	10	11	9	-	0	-	-	-	2	0	3	-	0	3.41	-	-	-	-	
Burnley ...	99	200	16.6	9.3	12.9	-	21.1	3,6,7	2.8	30	13.4	12.8	56	-	13	10	11	9	0	0	0	0	0	1	0	3	-	0	2.96	-	-	-	-	
Nelson	99	165	16.0	9.6	12.8	-	21.1	3	2.8	30	1																							



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS SEPTEMBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above ASL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE			
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-50 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916-50 average	MOST IN A DAY		Precip'n 0.2 mm or more or more	1.0 mm or more or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-50 average	Exposure	
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date																
8a. SOUTH WALES.																																	
Cardigan																																	
Aberporth ...	21-9	133	16.1	11.5	13.8	-0.3	19.0	21	4.7	30	-	-	26	30	16	10	9	6	0	0	0	0	0	0	0	1	0	0	2.63	-	-	-	
Gogerddan ...	99	31	17.6	10.1	13.9	-	22.2	6	0.0	30	-	-	45	48	19	10	9	7	0	0	0	0	0	0	0	3	-	0	2.83	-	-	-	
Swyddffynnon ...	99	165	16.6	8.9	12.7	-	21.1	6	-1.7	30	-	-	71	63	46	10	8	6	-	-	0	-	-	0	1	5	-	0	2.59	-	-	-	
Trawscoed ...	99	61	17.6	(9.9)	(13.7)	-	20.6	6	-1.1	30	15.0	-	48	47	21	10	9	7	0	0	0	0	0	0	1	1	-	0	2.83	-	-	-	
Llety-evan-hen ...	99	290	15.4	9.7	12.5	-	18.9	6	-0.6	30	-	-	70	53	21	10	11	9	0	0	0	0	0	1	1	2	-	0	2.65	70	-	-	
Cwmystwyth ...	99	301	15.9	8.2	12.5	-	23.3	1	-1.7	30	-	-	81	-	27	10	9	9	-	0	-	-	-	-	1	4	-	-	-	-	-	-	
Pembroke																																	
Dale Fort ...	99	33	17.7	12.5	15.1	-	21.1	6	7.2	30	15.3	-	32	-	13	10	11	5	0	0	0	0	0	0	0	1	-	0	3.55	-	-	-	
Milford Haven C.B.*	21-9	37	17.3	11.7	14.5	-	20.0	5,19	5.2	30	-	-	32	-	14	10	10	6	0	0	0	0	0	1	0	1	0	0	-	-	-	-	
Brawdy ...	99	110	16.3	10.3	13.3	-	18.9	9	4.4	30	-	-	36	37	15	11	12	7	0	0	0	0	0	1	0	1	-	0	3.20	-	-	-	
Orielton ...	99	61	-	10.6	-	-	-	-	1.7	30	14.5	-	37	-	15	10	13	7	0	0	0	0	0	0	0	3	-	0	-	-	-	-	
Haverfordwest ...	99	8	17.2	9.3	13.3	-	20.0	6	-2.2	30	-	-	37	-	14	10	9	8	0	0	0	0	0	0	1	-	-	0	(2.90)	-	-	-	
Carmarthen																																	
Carmarthen ...	99	15	17.7	9.8	13.7	-	21.7	7,8	-1.7	30	16.0	-	59	-	31	10	10	8	0	0	0	0	0	0	1	2	-	0	-	-	-	-	
Cenarth Mill ...	21-9	282	-	-	-	-	-	-	-	-	-	-	43	-	19	11	13	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Radnor																																	
Llandrindod Wells	99	235	16.3	8.2	12.3	-0.2	20.6	3	-2.2	30	14.1	-	33	42	18	10	13	9	0	0	0	0	0	3	2	-	-	0	2.06	54	S	-	
Brecknock																																	
Llwynon ...	99	262	16.1	8.6	12.3	-	20.6	3	0.0	30	-	-	84	-	29	10	15	11	0	0	0	0	0	0	2	0	-	0	-	-	-	-	
Glamorgan																																	
Mumbles ...	21-9	36	17.1	12.1	14.6	-	20.4	3	5.5	30	-	-	-	-	-	-	-	0	0	0	0	0	1	0	0	0	0	3	-	-	-	-	
Penmaen ...	99	82	17.3	11.3	14.3	-	22.2	3	4.4	30	15.9	15.9	60	-	34	10	14	9	0	0	0	0	1	0	0	0	-	0	-	-	-	-	
Swansea ...	99	8	18.0	11.9	14.9	-0.1	23.9	3	3.3	30	16.8	16.8	73	75	43	10	13	11	0	0	0	0	1	0	0	-	0	3.23	71	S	-		
Port Talbot ...	99	7	18.0	11.7	15.1	-	23.9	3	2.2	30	-	-	54	54	22	10	13	9	0	0	0	0	0	0	0	0	-	-	3.37	-	S	-	
Neath ...	99	62	17.6	11.2	14.4	-	22.8	3	1.7	30	-	-	76	68	49	10	14	10	0	0	0	0	0	1	0	1	-	0	-	-	-	-	
Rhosee ...	21-9	67	17.3	11.2	14.3	-	21.6	3	2.4	30	-	-	45	52	7	24	14	9	0	0	0	0	0	0	0	1	0	0	3.52	73	-	-	
Cardiff ...	99	62	17.7	10.9	14.3	0.0	22.2	3	1.7	30	15.3	14.9	47	50	9	11	14	11	0	0	0	0	0	0	0	1	-	-	2.81	-	S	-	
Monmouth																																	
Tredegar ...	99	313	15.7	8.8	12.3	-	20.6	3	-0.6	30	-	-	84	65	31	10	12	12	0	0	0	0	0	8	1	-	0	-	-	-	-	-	
Newport ...	99	23	17.8	10.4	14.1	-0.1	22.2	3	1.7	30	-	-	40	47	7	10	13	9	0	0	0	0	0	0	0	0	-	0	3.09	-	-	-	
Usk ...	99	21	17.1	9.4	13.2	-	22.2	3	-2.2	30	15.5	-	53	64	34	17	10	6	-	0	-	-	-	1	1	2	-	0	-	2.79	-	-	-
Crumblant ...	99	245	15.7	9.6	12.7	-	19.4	3	2.2	30	14.1	14.2	46	53	13	11	12	8	0	0	0	0	0	7	0	3	-	0	2.63	-	-	-	
8b. ENGLAND, S.W.																																	
Somerset																																	
Hawkrigde ...	99	314	15.4	9.4	12.4	-	18.9	1,4	0.6	30	-	-	98	78	33	18	15	13	0	0	0	0	1	6	0	1	-	0	3.33	-	-	-	
Williton ...	99	96	17.4	9.8	13.6	-	20.0	3,8,22	0.6	30	-	-	60	-	15	18	11	9	0	0	0	0	1	4	0	4	-	0	-	-	-	-	
Cannington ...	99	29	17.6	11.1	14.3	-	21.1	7	2.2	30	16.1	-	45	69	12	11	12	9	0	0	0	0	0	0	0	1	-	0	3.50	76	-	-	
Weston-super-Mare	99	9	18.1	11.9	15.0	+0.1	21.7	3	3.3	30	-	-	39	51	12	11	7	6	0	0	0	0	0	2	0	0	-	2	3.41	72	-	-	
Cricket Malherbie	99	76	18.0	10.0	14.0	-	21.7	3,21	1.1	30	-	-	56	-	15	10	13	8	0	0	0	0	0	3	0	1	-	0	-	-	-	-	
Cheddar ...	99	11	-	-	-	-	-	-	-	-	-	-	26	-	8	13	7	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Yeovilton ...	21-9	18	18.5	10.5	14.5	-	23.1	3	-1.8	30	-	-	56	-	36	18	9	6	0	0	0	0	0	1	1	1	1	0	-	-	-	-	
Rodney Stoke ...	99	40	18.3	10.8	14.5	-	22.2	7	3.3	30	16.0	15.3	33	-	13	11	8	6	-	0	-	-	-	4	0	0	-	-	-	-	-	-	
Long Ashton ...	99	49	17.8	10.4	14.1	0.0	21.1	3	0.6	30	15.7	-	46	57	14	11	12	9	0	0	0	0	0	0	0	1	-	0	3.19	71	-	-	
West Camel ...	99	27	18.4	9.7	14.1	-	21.7	3,7	-2.2	30	-	-	51	-	28	18	11	8	0	0	0	0	1	1	3	-	0	-	-	-	-	-	
Wincanton ...	99	114	17.6	10.4	14.0	-	21.1	3	2.2	30	-	-	69	-	37	18	13	7															



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS SEPTEMBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Temp. in GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE					
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-40 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916-30 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 0hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-40 average	Exposure			
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date	0.2 mm or more	1.0 mm or more																
9. NORTHERN IRELAND																																		
Londonderry																																		
Loughmore Forest	99	174	15.3	7.5	11.4	-	19.4	18	0.2	29	-	-	63	-	11	11	18	13	0	0	0	0	0	0	1	0	3	-	2	-	-	-	-	
Ballykelly	21-9	2	16.6	9.8	13.2	+0.3	20.3	8	3.2	14	14.8	14.2	42	51	9	24	14	10	0	0	0	0	0	0	0	0	0	1	2.92	74	-	-		
Derrynoyd Forest	99	88	16.4	8.5	12.5	-	20.6	2	3.3	27	-	-	43	-	7	11	16	10	0	0	0	0	0	0	0	0	4	-	-	-	-	-		
Somerset Forest	99	43	16.5	8.7	12.6	-	20.0	5,18	2.5	14	-	-	41	-	9	26	14	11	0	0	0	0	0	0	0	0	0	-	-	-	-	-		
Coleraine	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Garvagh Forest	99	91	15.9	8.1	12.0	-	20.6	21	2.2	14	14.9	14.4	38	-	7	11	14	12	0	0	0	0	0	0	0	1	-	2	-	-	-	-		
Moneydig	21-9	34	16.4	8.5	12.5	-0.0	20.1	21	1.6	14	14.7	-	28	29	5	26	12	10	0	0	0	0	0	0	0	3	0	0	-	-	-	-	-	
Antrim																																		
Portrush Golf Club	99	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Ballymoney	99	55	16.3	8.2	12.3	-	19.8	18	2.6	14	-	-	29	-	9	26	14	6	0	-	0	0	0	0	0	0	-	-	-	-	-	-	-	
Lisnafillan	99	38	16.4	8.9	12.7	-	18.9	8,9,21	3.3	2,12	-	-	32	-	6	25	12	10	0	0	0	0	0	0	0	4	-	-	2.95	-	-	-	-	
Aldergrove	21-9	69	16.6	9.6	13.1	+0.4	19.7	18	4.1	2	14.1	13.3	27	32	10	17	10	8	0	0	0	0	0	0	0	1	0	0	2.96	83	-	-	-	
Greenmount	99	32	16.7	9.6	13.1	-	20.6	18	2.8	2	14.8	-	27	-	11	17	11	8	0	0	0	0	0	0	0	1	-	-	-	-	-	-	-	
Altnahinch	99	226	14.2	8.6	11.4	-	17.8	18	2.8	29	-	-	66	-	21	26	17	15	0	0	0	0	0	4	1	-	3	2.64	-	-	-	-	-	
Parkmore Forest	99	235	14.2	8.1	11.1	-	17.2	8,9	1.7	29	12.8	-	67	-	23	26	16	12	0	0	0	0	0	1	0	1	-	3	-	-	-	-	-	
Black Mountain	21-9	295	14.3	7.5	10.9	-	17.7	2	1.5	29	-	-	47	-	18	17	11	8	0	0	0	0	0	7	0	-	2	-	-	-	-	-	-	
Lowtown	99	271	14.6	7.8	11.2	-	17.8	2,23	1.1	29	12.4	-	38	-	7	26	15	11	0	0	0	0	0	5	0	0	0	2.92	-	-	-	-	-	
Ballypatrick Forest	99	152	14.7	8.8	11.7	-	18.5	8,21	4.5	30	-	-	84	-	18	26	18	15	0	0	0	0	0	3	0	0	-	2	2.48	-	-	-	-	
Belfast, Malone*	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Newtownabbey	99	32	16.7	10.4	13.5	-	20.0	21	5.0	29	14.6	-	26	-	7	17	12	8	0	0	0	0	0	0	0	1	-	1	3.02	-	-	-	S	
Woodburn, North	99	217	14.9	7.6	11.3	-	18.3	8	1.7	29	-	-	35	32	5	25	13	10	0	0	0	0	0	4	0	0	-	1	-	-	-	-	-	
Larne	99	43	16.9	9.1	13.0	-	20.0	8	3.5	29	-	-	29	30	7	20	13	10	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	
Kilroot	99	22	16.6	9.3	12.9	-	19.4	8,23	4.4	29	-	-	15	-	3	9	10	9	0	0	0	0	0	0	0	1	-	-	-	-	-	-	-	
Ballylumford	99	24	16.7	10.1	13.4	-	20.0	8,9	5.6	23,29	-	-	22	-	4	20	12	7	0	-	0	0	0	-	0	0	-	-	-	-	-	-	-	
Down																																		
Hillsborough	99	116	16.0	9.2	12.6	+0.3	18.9	8,18,21	2.8	29	13.7	12.9	27	35	7	17	9	7	0	0	0	0	0	0	0	0	-	-	2.81	77	-	-	-	
Kilkeel	21-9	18	16.4	10.0	13.2	+0.3	19.4	23	3.8	29	-	-	32	-	15	9	10	8	0	0	0	0	0	0	0	0	0	2	3.55	-	-	-	-	
Tollymore Park	99	76	16.4	9.4	12.9	-	20.0	8,23	2.8	29	-	-	39	32	15	9	11	7	0	0	0	0	0	1	0	0	-	-	-	-	-	-	-	
Rosetta	99	24	16.8	7.9	12.3	-	20.0	2,9,23	1.1	29	-	-	32	-	15	17	10	8	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	
Murlough	99	9	17.1	7.6	12.3	-	22.2	21	1.7	12	13.8	13.6	25	-	13	9	11	5	0	0	0	0	0	0	0	2	-	2	3.72	-	-	-	-	
Stormont Castle	99	56	16.7	9.6	13.1	-	19.4	8,21	3.3	29	14.3	14.2	22	27	8	17	12	4	0	0	0	0	0	1	0	0	-	0	2.93	-	-	-	-	
Downpatrick	99	36	17.0	9.6	13.3	-	20.6	21,23	2.8	29	-	-	30	-	13	9	11	6	0	-	0	0	0	0	0	-	-	-	-	-	-	-	-	
Creighton's Green	99	119	15.6	9.4	12.5	-	18.3	8,21	4.4	29	-	-	23	-	6	17	12	7	0	0	0	0	0	0	0	0	2	-	-	-	-	-	-	
Reagh Island**	99	12	16.9	10.1	13.5	-	20.6	23	5.0	29	-	-	33	-	14	17	11	6	-	-	-	-	0	0	0	-	-	-	3.41	-	-	-	-	
Helen's Bay	99	43	16.8	10.2	13.5	-	20.6	8	4.4	29	-	-	19	-	5	17	11	4	0	0	0	0	0	0	0	1	-	2	3.39	-	-	-	-	
Killough	21-9	15	16.4	9.7	13.1	-	19.0	21	3.0	29	-	-	27	-	13	9	10	4	0	0	0	0	0	0	0	1	-	-	-	-	-	-	-	
Ballyhalbert	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.96	-	-	-	-	
Armagh																																		
Armagh	99	62	17.0	9.4	13.2	+0.3	21.1	8	1.1	29	15.6	14.9	21	29	5	10	10	7	0	0	0	0	0	0	0	1	-	2	2.57	71	-	-	-	
Loughgall	99	25	16.7	8.7	12.7	-	20.0	8,9	1.7	29	-	-	23	33	6	10	10	8	0	0	0	0	0	0	4	-	1	2.88	-	-	-	-	-	
Glenanne	21-9	134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bessbrook	-	76	-	-	-	-	-	-	-	-	-	-	-	-	21	24	6	9	13	6	-	-	-	-	-	-	-	-	3.16	85	-	-	-	-
Portadown	99	16	17.4	9.6	13.5	-	20.6	8,18	2.2	29	15.0	14.7	17	-	4	26	11	6	0	-	0	0	0	0	1	-	0	-	-	-	-	-	-	
Lurgan	99	55	17.1	9.3	13.2	-	20.6	9	2.8	29	14.4	14.2	18	-	4	26	9	7	-	-	-	-	-	0	2	-	-	3.15	-	-	-	-	-	
Tyrone																																		
Lough Bradan	99	169	15.0	7.7	11.3	-	18.3	18	0.6	29	-	-	72	-	14	21	17	13	-	0	-	-	-	0	0	1	-	-	2.32	-	-	-	-	
Baronscourt Forest	99	88	16.4	8.6	12.5	-	21.0	13	2.0	29	-	-	51	-	8	10	14	12	0	0	0	0	0	2	0	2	-	-	-	-	-	-	-	
Strabane Convent	99	44	16.8	9.2	13.0	-	20.4	18	2.9	29	-	-	54	-	10	11	17	10	0	0	0	0	0	1	0	1	-	3	2.63	-	-	-	-	
Carrigans	21-9	113	15.9	8.7	12.3	-	20.0	18	1.4	29	-	-	52	-	9	21	16	11	0	0	0	0	0	0	0	1	0	1	-	-	-	-	-	
Lislap Forest	99	209	15.1	6.7	10.9	-	18.9	18	-0.6	29	13.8	-	53	46	9	10	20	13	0	0	0	0	0	1	1	2	-	2	-	-	-	-	-	
Knockmany Forest	99	73	16.2	6.5	11.3	-	20.1	18	-1.7	29	-	-	30	-	6	11	14	11	0	0	0	0	0	0	1	2	-	1	-	-	-	-	-	
Pomeroy Forest	99	165	15.6	8.2	11.9	-	19.4	8	1.1	29	14.2	-	30	-	6	10	16	9	0	0	0	0	0	3	0	4	-	2	-	-	-	-	-	
Cookstown	99	77	16.0	8.4	12.2	-	19.4	8	2.2	12,29	13.6	-	28	32	5	10	16	10	0	-	0	0	0	1	0	1	-	-	2.59	-	-	-	-	
Fermanagh																																		
Roscor	99	143	15.4	8.9	12.1	-	19.0	18	1.4	29	-	-	64	56	12	21	22	14	0	0</														



TABLE IV

—SUMMARY OF OBSERVATIONS AT FIXED HOURS SEPTEMBER, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)					VISIBILITY (Metres and Kilometres)								WIND SPEED AND DIRECTION																					
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-10 m.	40-100 m.	200-300 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-30 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
																									8 or more	4, 5	6, 7	1-3	Calla													
																																						SPEED IN KNOTS				
																																						24 or more	22-33	11-21	1-10	0
Number of Observations																																										
0	SCOTLAND, N.																																									
83	3	1011.9	-	9.3	0.7	10.7	90	6.6	0	3	3	8	16	0	0	0	0	0	0	2	6	5	10	7	1	4	17	8	0	5	2	1	1	5	8	3						
	9	1012.3	+2.0	10.4	1.3	10.7	83	6.3	0	4	2	11	13	0	0	0	0	1	1	1	5	5	12	0	7	19	4	0	3	4	0	0	3	9	8							
	15	1011.9	-	10.9	1.5	10.7	81	6.5	0	2	5	13	10	0	0	0	0	0	1	6	3	6	14	1	2	17	10	0	2	4	0	2	4	6	10							
	21	1011.7	-	9.2	1.0	10.3	87	6.2	0	5	3	8	14	0	0	0	0	0	3	6	3	7	11	1	2	12	15	0	4	2	1	2	5	7	7							
26	3	1013.4	-	9.7	0.7	11.2	91	5.4	0	6	7	4	13	0	0	0	0	0	1	4	6	11	8	1	7	14	6	2	0	2	3	2	1	7	7							
	9	1013.6	+2.9	11.4	1.2	11.7	86	6.7	0	1	4	14	11	0	0	0	0	1	0	5	2	11	11	1	4	17	7	1	4	3	1	2	3	5								
	15	1013.0	-	12.0	1.5	11.6	81	6.1	0	3	5	14	8	0	0	0	0	0	0	3	6	9	12	1	4	18	7	0	4	3	3	4	3	2								
	21	1012.8	-	9.8	0.7	11.2	91	5.3	0	7	7	5	11	0	0	0	0	0	0	5	6	12	7	1	2	18	9	0	2	3	3	1	6	6								
37	3	1014.0	-	9.4	0.6	11.1	92	5.3	2	4	6	8	10	0	0	0	0	1	0	5	5	9	10	1	2	13	14	0	0	2	3	1	6	7	4							
	9	1014.2	+3.1	11.8	1.4	11.6	83	5.8	0	5	4	11	9	1	0	0	1	0	2	5	3	18	0	2	18	9	1	1	1	2	3	5	7	6								
	15	1013.3	-	12.8	1.9	11.6	77	5.8	0	5	4	14	7	0	0	0	0	1	4	4	2	19	1	3	19	7	0	0	2	4	4	4	2	8								
	21	1013.4	-	10.5	0.8	11.5	89	5.6	0	7	3	10	10	0	0	0	0	0	6	4	12	8	1	2	17	10	0	2	2	4	2	7	5									
113	3	1012.6	-	10.3	0.9	11.2	88	6.2	0	3	7	5	13	2	0	2	0	0	0	2	2	11	13	3	6	10	10	1	0	2	6	0	10	8								
	9	1012.8	-	10.9	1.1	11.4	86	6.8	0	1	4	11	12	2	0	2	0	0	0	2	4	6	16	1	9	11	7	2	0	2	3	2	1									
	15	1012.2	-	11.5	1.3	11.5	85	6.3	0	2	7	6	12	3	0	3	0	0	0	4	4	6	13	2	6	7	13	2	0	2	5	1										
	21	1012.1	-	10.6	0.9	11.4	88	6.5	1	1	4	9	12	3	0	2	1	0	0	2	3	9	13	1	6	9	12	2	0	3	4	1										
5	3	1013.7	-	10.2	0.5	11.8	94	5.1	4	5	4	5	12	0	0	0	0	0	0	5	8	12	5	0	3	13	12	2	0	0	5	3	4	8								
	9	1013.6	+2.7	11.8	0.9	12.5	89	5.6	0	5	7	11	7	0	0	0	0	0	1	8	5	8	8	1	1	15	10	3	0	1	4	2	3									
	15	1013.0	-	12.7	1.2	12.7	86	5.7	0	5	5	8	12	0	0	0	0	0	1	6	7	9	7	1	4	17	8	0	0	2	5	3	5									
	21	1013.7	-	10.6	0.5	12.1	93	5.8	0	5	5	9	11	0	0	0	0	0	1	3	15	4	7	1	5	11	10	3	1	3	2	8	4									
6	3	1014.5	-	11.1	1.0	11.7	88	5.3	0	9	4	5	12	0	0	0	0	0	4	4	4	8	10	0	5	11	10	4	0	1	1	3	3	8								
	9	1014.4	+3.4	12.2	1.2	12.3	85	5.9	0	4	7	11	8	0	0	0	0	1	0	5	7	7	10	1	2	16	10	1	1	0	4	3	5									
	15	1013.9	-	13.2	1.5	12.6	82	6.0	0	4	4	12	10	0	0	0	0	2	2	7	6	11	1	5	13	10	1	1	1	3	2	10										
	21	1014.3	-	11.2	0.9	11.9	88	5.8	0	6	4	9	11	0	0	0	0	0	3	4	8	6	9	2	7	10	8	3	2	4	1	4	5									
1	3	1014.8	-	10.5	1.4	10.7	83	5.3	1	5	7	7	10	0	0	0	0	1	0	2	2	10	15	0	1	10	15	4	0	1	3	2	6									
	9	1014.9	+3.4	12.9	2.3	11.1	74	5.4	1	5	6	15	3	0	0	0	0	0	0	3	2	6	19	0	2	17	11	0	0	0	5	2	14									
	15	1013.8	-	14.7	3.0	11.5	68	6.2	0	2	5	19	4	0	0	0	0	0	2	2	2	5	19	1	3	21	5	0	2	2	6	2	5									
	21	1014.1	-	11.7	1.7	11.1	79	5.6	1	4	5	15	5	0	0	0	0	0	0	3	4	8	15	1	2	10	16	1	1	2	6	1	5									
59	3	1015.4	-	9.9	1.0	10.8	87	5.3	2	6	3	11	7	1	0	0	1	2	0	2	0	15	7	3	0	1	8	15	6	3	0	1	2	6								
	9	1015.8	+3.4	12.5	1.8	11.5	79	6.0	0	4	4	16	6	0	0	0	0	1	1	3	6	12	7	0	1	8	18	3	1	1	2	2	7									
	15	1014.6	-	14.5	2.8	11.6	70	6.3	1	2	4	15	8	0	0	0	0	0	2	2	7	9	10	1	1	12	15	1	1	2	6	1	5									
	21	1014.9	-	11.3	1.2	11.6	85	5.9	0	3	7	13	7	0	0	0	0	1	2	4	12	11	0	0	1	7	16	6	4	1	0	2	5									
22	3	1014.7	-	11.8	1.1	12.1	87	5.1	1	6	6	9	7	1	0	0	1	0	0	3	11	15	0	2	2	12	13	1	3	2	1	1	5									
	9	1015.1	-	12.4	1.5	12.0	82	6.0	1	1	8	13	7	0	0	0	0	1	0	3	6	20	0	0	4	10	16	0	4	2	1	2	6									
	15	1014.1	-	13.8	2.0	12.4	78	5.6	1	1	9	12	7	0	0	0	0	0	5	6	13	6	2	1	9	18	0	4	2	4	1	6										
	21	1014.0	-	12.1	1.1	12.3	86	6.0	0	0	10	12	8	0	0	0	0	0	0	4	9	17	0	2	1	12	15	0	6	2	1	3										
35	3	1015.8	-	11.0	1.0	11.7	87	4.8	4	4	6	10	6	0	0	0	0	1	1	2	3	3	20	0	2	7	17	4	6	0	1	0	2									
	9	1016.0	-	12.8	1.6	12.2	81	5.3	1	2	10	11	5	1	0	0	1	0	0	4	3	6	16	1	1	8	17	3	4	1	3	0	8									
	15	1014.8	-	14.5	2.3	12.5	76	5.6	1	5	5	8	11	0	0	0	0	1	0	4	3	7	15	1	1	16	12	0	2	5	1	2	11									
	21	1015.0	-	11.9	1.2	12.0	84	4.8	1	5	10	10	4	0	0	0	0	0	0	2	0	9	19	1	0	11	16	2	7	1	3	0	7									
12	3	1015.9	-	10.9	1.0	11.5	87	5.5	1	6	3	14	5	1	0	0	1	0	0	1	4	3	11	10	0	1	15	8	6	0	5	1	0									
	9	1016.1	+3.3	13.2	1.9	12.0	78	5.8	0	5	4	17	3	1	0	0	1	0	1	5	3	7	13	0	1	19	10	0	2	4	3	0	11									
	15	1014.8	-	15.3	3.0	12.1	70	5.8	0	7	3	10	10	0	0	0	1	0	1	1	4	11	12	1	3	20	6	0	0	4	7	1	2									
	21	1015.3	-	12.2	1.5	11.9	82	5.3	3	2	6	13	6	0	0	0	0	0	1	1	5	12	11	1	1	11	16	1	1	7	2	2	6									
44	3	1016.5	-	10.8	0.9	11.6	88	5.8	1	4	5	11	9	0	0	0	0	0	3	4	10</																					

\* See Notes on Tables in the Introduction.



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS SEPTEMBER, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)									VISIBILITY (Metres and Kilometres)													WIND SPEED AND DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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6a. SCOTLAND, W. — contd.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS SEPTEMBER, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)					VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION															
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-2	3-5	6-7	8	9	0-30 m.	40-100 m.	200-300 m.	400-999 m.	1000-1999 m.	2000-3999 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
																									SPEED IN KNOTS													
																									8 or more	6-7	4-5	1-3	Calm									
																									24 or more	22-33	11-21	1-10	0									
Number of Observations																																						
3.	ENGLAND, E. — contd.																																					
Mildenhall 12	3	1017.8	-	11.8	0.7	13.0	91	5.2	4	5	4	4	12	1	0	1	2	3	2	8	9	2	3	0	0	0	1	20	9	3	5	2	0	3	6	2	0	
	9	1018.6	+2.7	14.7	1.8	13.7	81	5.7	2	4	3	13	8	0	0	0	0	2	2	5	8	7	6	0	0	0	2	22	6	2	7	4	1	2	5	1	2	
	15	1017.4	-	18.6	3.9	13.7	63	5.5	1	3	7	14	5	0	0	0	0	0	0	3	9	10	8	0	0	0	4	25	1	7	6	2	2	5	5	0		
	21	1018.0	-	13.9	1.3	13.7	85	5.0	5	4	2	9	10	0	0	0	0	1	3	3	12	8	3	0	0	0	3	20	7	2	5	4	2	4	4	2	0	
	91	3	1017.8	-	11.7	0.6	13.0	93	4.7	6	4	4	8	5	3	0	1	3	0	4	5	6	8	3	0	0	0	5	22	3	10	4	2	1	2	6	1	1
Wattisham 91	9	1018.6	-	14.2	1.4	13.8	84	5.5	0	5	7	12	5	1	0	0	2	2	1	3	7	10	5	0	0	0	8	21	1	6	7	1	1	4	5	0	5	
	15	1017.4	-	17.9	3.7	13.5	65	5.5	1	2	9	15	3	0	0	0	0	0	0	4	8	9	7	2	0	0	16	14	0	5	9	1	2	4	5	2	2	
	21	1018.0	-	13.3	1.0	13.6	87	4.8	6	2	4	13	4	1	0	0	0	0	3	6	9	7	4	0	0	0	5	21	4	6	8	2	2	2	5	1	0	
	9	1018.5	-	-	-	-	-	5.2	1	7	3	9	9	1	0	0	0	2	1	4	5	18	0	0	0	0	15	13	2	4	5	4	0	3	1	7	4	
	15	1017.5	-	-	-	-	-	4.6	2	8	6	7	7	0	0	0	0	2	4	6	18	0	0	0	0	1	13	16	0	3	8	5	2	4	3	4	1	
Aldeburgh 9	9	1017.8	-	-	-	-	-	4.8	7	3	4	5	11	0	0	0	0	0	1	1	8	20	0	0	0	0	1	11	14	4	3	8	3	2	1	5	3	1
	43	3	1018.0	-	12.0	0.6	13.2	93	5.3	5	3	5	3	10	4	0	2	1	5	3	5	8	4	2	0	0	0	5	18	7	9	2	0	1	2	6	2	1
	9	1018.7	-	13.9	1.3	13.7	85	6.2	1	1	6	12	6	4	0	2	1	2	3	1	12	6	3	0	0	0	7	22	1	9	3	4	0	3	4	5	1	
	15	1017.5	-	17.6	3.4	13.7	68	6.3	0	1	8	11	9	1	0	0	0	1	3	2	6	12	5	1	0	0	15	14	1	7	4	2	2	3	5	4	2	
	21	1018.1	-	13.8	1.4	13.5	85	5.6	3	4	3	7	10	3	0	0	0	0	3	3	12	8	1	0	0	0	6	22	2	5	5	4	0	5	5	3	1	
Cardington 29	3	1018.1	-	11.4	0.3	13.3	96	5.6	6	2	0	6	13	3	0	2	3	1	4	6	11	3	0	0	0	0	2	26	2	6	4	1	2	3	5	4	3	
	9	1018.8	+2.8	14.1	1.1	14.2	87	5.8	1	5	3	11	10	0	0	0	0	1	5	3	13	5	3	0	0	0	5	25	0	6	7	3	0	3	4	6	1	
	15	1017.4	-	17.7	3.1	14.2	70	6.3	0	3	4	14	9	0	0	0	0	0	2	2	11	12	3	0	0	1	9	20	0	6	7	1	2	3	6	4	1	
	21	1018.1	-	13.0	0.8	13.8	91	5.0	5	5	2	8	10	0	0	0	0	0	5	3	14	8	0	0	0	0	4	24	2	4	6	4	0	3	7	3	1	
	102	3	1018.0	-	11.7	0.5	13.2	94	5.5	5	4	1	5	14	1	0	1	2	4	2	8	7	5	1	0	0	0	2	18	10	7	4	1	1	1	4	1	1
Stansted 102	9	1018.6	-	14.3	1.4	13.9	84	6.0	0	2	7	13	7	1	0	0	0	1	3	4	9	7	5	1	0	0	10	16	4	6	7	1	1	3	3	2	3	
	15	1017.4	-	17.7	3.5	13.5	66	5.6	1	1	9	13	6	0	0	0	0	0	5	4	7	12	2	0	0	0	14	12	4	5	4	3	2	1	7	2	2	
	21	1018.2	-	13.5	1.2	13.6	87	5.5	2	4	6	10	8	0	0	0	0	1	3	6	6	12	2	0	0	0	6	18	6	5	3	4	1	3	5	2	1	
	5	9	1018.3	+1.7	15.3	1.3	15.1	86	6.0	1	2	4	15	8	0	0	0	0	1	4	4	10	6	3	2	0	0	10	20	0	7	6	3	1	4	2	5	
	15	1017.3	-	17.9	2.8	15.0	73	4.9	1	5	8	12	4	0	0	0	0	0	0	5	9	5	5	6	0	0	0	13	16	1	2	5	9	0	3	5	3	2
Shoeburyness 5	21	1017.7	-	14.6	1.1	14.8	88	5.0	4	3	6	10	7	0	0	0	0	0	2	5	8	7	6	2	0	0	6	24	0	6	5	5	3	2	6	1	2	
	8	3	1017.8	-	13.7	0.8	14.3	90	5.5	2	3	8	4	11	2	0	0	0	3	1	3	12	11	0	0	0	0	7	19	4	3	5	3	1	2	2	4	6
	9	1018.6	-	15.7	1.7	14.6	81	5.0	1	6	8	8	5	2	0	0	0	0	3	0	4	10	13	0	0	0	10	18	2	5	5	6	1	3	1	4	3	
	15	1017.7	-	17.8	2.7	15.1	73	4.6	2	5	11	8	4	0	0	0	0	0	2	4	8	16	0	0	0	0	14	13	3	1	4	10	0	1	7	2	2	
	21	1017.9	-	15.5	1.6	14.8	83	5.0	1	4	12	5	7	1	0	0	0	0	1	2	12	13	0	0	0	0	11	16	3	1	6	8	2	2	4	4	0	
4. MIDLAND COUNTIES																																						
Huddersfield Oakes 234	3	1017.6	-	10.1	0.7	11.5	91	6.3	3	1	4	2	19	1	0	1	0	1	1	10	11	4	2	0	0	0	1	5	14	10	1	1	2	0	3	6	6	1
	9	1018.0	-	13.1	1.5	12.6	84	5.6	3	3	4	8	11	1	0	1	0	0	4	4	12	3	6	0	0	1	3	22	4	2	6	2	0	1	5	9	1	
	15	1016.9	-	15.6	2.3	13.6	77	6.6	0	2	4	12	12	0	0	1	0	0	1	2	16	3	7	0	1	0	12	17	0	1	8	2	0	0	8	9	2	
	21	1017.5	-	11.8	0.8	12.7	90	5.4	6	1	3	6	13	1	0	1	0	2	1	1	12	10	3	0	0	1	7	18	4	4	2	3	1	0	5	9	2	
	119	3	1018.0	-	10.9	0.4	12.7	95	4.8	7	3	3	7	9	1	0	1	0	2	2	7	13	4	1	0	0	0	3	19	8	4	3	1	0	1	6	5	2
Watnall 119	9	1018.4	-	13.1	1.0	13.4	88	6.1	1	5	1	9	14	0	0	0	0	2	6	7	10	3	2	0	0	0	4	22	4	3	10	1	0	3	6	2	1	
	15	1017.1	-	16.4	2.4	14.2	76	6.3	0	3	3	13	11	0	0	0	0	0	1	2	14	8	5	0	0	0	9	20	1	0	8	5	0	3	6	4	3	
	21	1017.8	-	12.8	0.8	13.5	90	5.6	4	1	5	9	11	0	0	0	0	1	1	6	15	6	1	0	0	0	3	22	5	1	8	3	0	3	4	5	1	
	14	3	1017.9	-	11.3	0.7	12.6	92	4.9	7	3	2	7	10	1	0	0	1	1	3	6	10	5	3	1	0	0	2	18	10	5	1	1	0	5	2	4	2
	9	1018.5	+3.4	13.9	1.4	13.5	84	5.5	4	3	4	9	10	0	0	0	0	0	3	6	12	8	1	0	0	0	7	20	3	9	1	3	0	5	5	2	2	
Finningley 14	9	1017.2	-	17.4	3.0	14.2	71	5.9	0	5	5	9	11	0	0	0	0	0	0	1	8	11	10	0	0	0	12	16	1	2	5	4	3	0	6	7	2	
	15	1017.7	-	13.4	1.1	13.5	87	5.3	4	3	5	9	9	0	0	0	0	1	1	1	19	7	1	0	0	1	2	24	3	4	3	4	1	1	9	3	2	
	67	3	1017.8	-	11.6	0.6	13.0	93	5.0	4	6	4	4	9	3	0	3	1	1	4	5	9	3	4	0	0	0	7	21	2	6	4	1	1	1	1	12	2
	9	1018.4	+2.6	13.8	1.3	13.5	85	5.7	0	6	5	9	9	1	0	0	1	2	4	3	8	7	5	0	0	0	11	18	1	7	4	4	1	4	2	6		



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS SEPTEMBER, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Okta)					VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION																																																						
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-10 m.	10-100 m.	200-1000 m.	1000-10000 m.	2000-3000 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																									
																								8 or more	6-7	4-5	1-3	Calm																																																	
Number of Observations																																																																													
4. MIDLAND COUNTIES — contd.																																																																													
Little Rissington [Gloucester]																																																																													
229	3	1018.4	-	11.4	0.6	12.7	92	6.2	4	2	1	4	12	7	0	4	4	0	0	7	8	2	5	0	0	0	5	23	2	7	6	4	0	2	3	4	2																																								
	9	1018.9	+2.6	12.4	1.0	12.8	88	6.2	1	4	2	8	11	4	0	4	0	1	0	5	9	7	2	0	0	0	9	20	1	7	6	3	0	4	6	1	2																																								
	15	1017.7	-	15.4	2.4	13.2	75	6.6	0	1	5	14	8	2	0	1	1	2	1	9	5	5	5	0	0	0	9	18	0	5	10	3	0	2	6	3	1																																								
	21	1018.4	-	12.9	1.2	13.0	86	5.8	5	1	3	6	12	3	0	2	0	1	2	3	13	3	4	2	0	2	6	20	2	4	10	2	0	1	6	5	0																																								
5. ENGLAND, S.E.																																																																													
Heathrow [Greater London]																																																																													
26	3	1017.9	-	12.9	0.8	13.7	90	6.1	3	1	3	16	5	2	0	1	0	1	1	13	6	5	3	0	0	0	3	23	4	9	4	2	1	0	6	1	3																																								
	9	1018.5	-	14.9	1.7	13.9	81	5.8	1	3	5	14	7	0	0	0	0	0	0	8	14	4	3	1	0	0	9	21	0	7	8	1	1	3	4	3	3																																								
	15	1017.4	-	18.8	4.1	13.6	63	5.9	0	3	5	14	8	0	0	0	0	0	1	3	6	11	7	2	0	0	16	14	0	7	5	3	2	2	4	6	1																																								
	21	1018.0	-	15.1	1.8	14.0	80	5.4	4	3	3	13	7	0	0	0	0	0	0	9	11	8	2	0	0	0	7	21	2	7	6	4	0	3	7	1	0																																								
Kew [Greater London]																																																																													
10	9	1018.7	+2.1	15.2	1.9	14.2	81	5.6	1	4	4	14	7	0	0	0	0	0	0	7	14	5	3	1	0	0	2	22	6	2	11	3	1	1	4	1	1																																								
	15	1017.5	-	18.3	4.1	13.6	64	5.7	0	3	8	15	4	0	0	0	0	0	1	4	6	9	9	1	0	0	5	22	3	4	8	3	2	1	3	6	0																																								
	21	1018.2	-	14.1	1.5	13.8	84	5.2	3	4	5	12	6	0	0	0	0	0	1	8	8	11	2	0	0	0	0	25	5	1	9	6	0	2	6	1	0																																								
Gatwick [Sussex]																																																																													
59	3	1018.2	-	11.0	0.4	12.9	96	5.4	4	3	4	7	9	3	0	3	4	3	5	6	3	6	0	0	0	0	2	16	12	4	5	1	0	1	3	3	1																																								
	9	1018.8	-	14.4	1.0	14.7	89	6.4	0	3	5	14	8	0	0	0	0	1	1	12	10	4	2	0	0	0	2	26	2	6	8	4	1	3	1	3	2																																								
	15	1017.7	-	18.4	3.5	14.3	67	5.7	0	4	7	13	6	0	0	0	0	0	0	4	8	11	6	1	0	0	10	20	0	3	9	4	3	3	2	4	2																																								
	21	1018.4	-	13.2	0.8	14.1	91	5.1	2	6	5	12	5	0	0	0	0	0	2	12	9	7	0	0	0	0	3	21	6	5	5	3	0	3	3	5	0																																								
Dungeness [Kent]																																																																													
7	3	1017.4	-	14.4	0.9	14.9	89	4.5	9	3	2	5	9	2	0	0	0	2	1	1	13	2	11	0	0	2	13	12	3	7	1	7	1	4	3	3	1																																								
	9	1018.3	-	15.9	1.4	15.4	85	5.9	1	4	3	12	10	0	0	0	0	0	1	13	6	9	1	0	3	14	13	0	6	6	6	0	6	0	5	1																																									
	15	1017.5	-	18.4	2.8	15.5	73	4.6	1	6	10	11	2	0	0	0	0	0	0	10	9	10	1	0	6	13	11	0	3	2	8	1	9	2	4	1																																									
	21	1017.7	-	15.6	1.3	15.6	86	3.6	8	7	4	5	6	0	0	0	0	0	2	8	10	10	0	0	5	10	12	3	5	1	9	1	3	1	6	1																																									
Deal [Kent]																																																																													
10	3	1017.7	-	14.4	0.8	15.1	91	4.5	6	6	3	5	9	1	0	0	0	4	0	0	8	10	8	0	0	1	8	20	1	3	2	6	0	4	2	7	5																																								
	9	1018.6	-	15.8	1.3	15.7	87	5.9	2	3	3	13	7	2	0	0	0	3	2	1	13	9	2	0	0	1	12	16	1	5	5	1	3	1	7	2																																									
	15	1017.7	-	17.6	1.8	16.6	88	4.9	2	5	7	9	5	1	0	0	2	1	4	5	12	5	0	0	0	16	13	0	3	11	2	2	2	6	0	3																																									
	21	1018.1	-	15.5	1.1	15.7	89	4.6	7	0	8	8	5	2	0	1	1	1	0	3	7	12	4	1	0	1	11	16	2	1	8	5	0	3	3	8	0																																								
Manston [Kent]																																																																													
15	3	1017.8	-	13.6	0.9	14.2	89	4.9	6	2	5	8	7	2	0	0	0	3	1	2	8	4	10	2	0	0	4	26	0	3	8	5	1	3	1	6	3																																								
	9	1018.6	-	15.6	1.6	14.7	82	5.8	0	4	6	11	8	1	0	0	0	3	1	1	9	6	6	4	0	0	8	21	1	6	6	4	2	3	0	4	4																																								
	15	1017.7	-	17.7	2.9	14.7	72	5.0	1	6	7	13	3	0	0	0	0	0	3	3	4	6	7	7	0	0	14	16	0	4	10	4	3	1	5	1	2																																								
	21	1018.2	-	14.4	1.2	14.5	86	4.8	5	1	7	14	2	1	0	1	0	1	1	3	7	6	9	2	0	0	8	19	3	2	9	4	2	1	8	1	0																																								
Thorney Island [Sussex]																																																																													
4	3	1018.0	-	12.7	0.7	13.6	92	5.0	5	4	3	8	10	0	0	1	0	0	1	6	7	8	7	0	0	0	5	25	0	11	10	3	0	1	1	4	0																																								
	9	1018.6	+1.8	15.4	1.5	14.9	84	5.7	1	5	3	13	8	0	0	0	0	0	2	13	9	5	1	0	0	10	20																																																		



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS SEPTEMBER, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION													
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-30 m.	40-100 m.	200-300 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-30 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																									8 or more	4, 7	4, 5	1-3	Calm								
																									SPEED IN KNOTS												
																									34 or more	22-33	11-21	1-10	0								
Number of Observations																																					
Speke [Lancashire]																																					
26	3	1017.7	-	12.5	0.9	13.2	90	5.9	1	4	4	10	11	0	0	0	1	1	4	7	10	7	0	0	0	5	22	3	0	6	1	6	4	0	5	5	3
	9	1018.0	-	13.9	1.4	13.6	85	6.0	0	5	3	15	6	1	0	0	1	1	5	10	5	6	2	0	0	8	21	1	4	2	3	6	5	1	5	3	
	15	1017.1	-	17.0	2.6	14.5	74	6.4	0	2	4	19	5	0	0	0	0	0	2	10	8	4	6	0	0	1	12	17	0	2	3	4	1	4	7	6	3
	21	1017.6	-	13.7	1.1	13.8	87	5.3	2	7	2	10	9	0	0	0	0	1	7	8	10	4	0	0	1	5	22	2	0	5	3	2	2	6	4	6	
Ringway [Cheshire]																																					
76	3	1018.1	-	12.1	1.0	12.6	88	5.4	3	5	4	4	14	0	0	0	1	1	8	8	10	2	0	0	0	3	23	4	5	3	2	1	9	2	3	1	
	9	1018.4	+3.3	13.9	1.7	12.9	80	5.9	1	5	2	11	11	0	0	0	0	1	6	13	10	0	0	0	0	10	18	2	2	3	3	1	10	1	4	4	
	15	1017.2	-	17.1	3.2	13.4	68	6.5	0	2	3	18	7	0	0	0	0	0	1	16	7	6	0	0	2	16	12	0	1	6	4	1	4	6	7	1	
	21	1018.0	-	13.7	1.4	13.3	84	5.5	3	3	5	7	12	0	0	0	0	1	4	17	7	1	0	0	0	7	18	5	0	4	4	0	8	3	3	3	
7b. NORTH WALES																																					
Valley [Anglesey]																																					
11	3	1017.7	-	12.7	1.1	12.9	87	5.3	4	4	4	9	9	0	0	0	1	1	4	6	4	11	3	0	3	10	13	4	7	5	3	0	5	1	3	2	
	9	1017.9	+3.2	14.5	1.5	13.9	84	6.5	0	2	3	16	9	0	0	0	0	0	5	2	13	4	6	1	3	15	8	3	5	2	6	1	5	3	3	2	
	15	1017.3	-	16.3	2.4	14.1	76	5.8	0	5	4	13	8	0	0	0	0	1	0	7	10	5	7	0	7	18	5	0	4	6	3	0	5	6	3	3	
	21	1017.8	-	13.6	1.2	13.6	86	5.3	2	5	5	12	6	0	0	0	0	0	4	8	5	7	6	1	4	12	12	1	4	7	3	0	5	7	1	2	
Bardsey Island [Caernarvon]																																					
19	3	1017.8	-	13.7	0.9	14.2	90	5.8	4	0	8	5	13	0	0	0	0	1	0	9	6	12	2	0	2	11	15	2	5	3	6	2	5	2	1	4	
	9	1018.0	-	14.3	1.1	14.4	88	6.4	1	2	4	7	15	1	0	0	1	1	0	4	6	15	3	0	2	11	15	2	6	3	7	0	2	6	1	3	
	15	1017.5	-	15.2	1.2	15.1	87	6.5	1	1	2	15	11	0	0	0	0	1	0	4	8	11	6	0	4	10	13	3	11	2	1	0	2	9	1	1	
	21	1017.9	-	13.9	0.9	14.4	89	6.0	4	0	6	5	14	1	1	0	0	0	0	10	3	13	3	1	2	11	15	1	6	4	4	1	3	6	3	2	
8a. SOUTH WALES																																					
Aberporth [Cardigan]																																					
134	3	1017.9	-	12.6	0.9	13.1	88	5.7	2	4	4	6	13	1	0	0	1	1	1	9	7	8	2	0	0	9	19	2	2	5	5	4	5	4	1	2	
	9	1018.2	+3.1	13.7	1.3	13.5	86	6.6	1	2	1	17	9	0	0	0	0	0	1	10	10	4	5	0	0	13	15	2	5	5	5	0	7	2	2	2	
	15	1017.8	-	15.1	1.8	14.0	81	6.7	1	2	0	14	13	0	0	0	0	0	0	10	11	1	8	0	1	8	21	0	8	5	2	1	0	8	4	2	
	21	1018.2	-	13.1	1.1	13.3	88	5.5	2	5	5	7	11	0	0	0	0	0	2	9	8	9	2	0	1	8	18	3	4	1	7	1	4	7	1	2	
Milford Have C.B. [Pembroke]																																					
39	3	1018.0	-	13.0	1.0	13.5	89	5.1	8	1	4	2	14	1	0	1	0	0	1	12	10	6	0	0	0	8	18	4	7	5	3	2	3	3	1	2	
	9	1018.4	-	14.6	1.4	14.2	85	6.0	1	5	2	11	10	1	0	1	0	0	1	2	11	11	4	0	0	1	5	20	4	5	6	4	1	2	3	1	4
	15	1018.2	-	16.5	2.2	14.8	78	6.6	0	1	5	12	12	0	0	0	0	0	1	11	14	4	0	0	1	6	23	0	6	4	5	0	0	11	3	1	
	21	1018.3	-	14.1	1.2	14.0	86	4.7	7	2	7	3	11	0	0	0	0	1	0	10	14	5	0	0	1	9	17	3	9	4	3	0	3	2	4	2	
Mumbles [Glamorgan]																																					
37	3	1017.5	-	13.9	1.2	13.9	86	5.9	2	4	4	6	14	0	0	0	0	0	0	9	10	10	1	0	1	16	12	1	3	9	6	0	3	0	4	4	
	9	1018.1	-	14.7	1.5	14.0	83	6.1	0	4	3	11	12	0	0	0	0	0	3	14	6	7	0	0	1	11	14	4	2	10	5	1	2	2	3	1	
	15	1017.5	-	16.6	2.3	14.7	78	6.2	0	3	6	8	13	0	0	0	0	0	0	15	8	5	2	0	2	11	17	0	2	4	1	1	3	11	6	2	
	21	1017.8	-	14.8	1.5	14.2	84	5.9	1	2	10	5	12	0	0	0	0	0	1	9	9	7	4	1	2	12	14	1	5	8	4	0	0	3	8	1	
Rhoose [Glamorgan]																																					
69	3	1017.8	-	12.7	0.8	13.5	91	5.9	4	3	1	5	17	0	0	0	0	2	5	6	12	5	0	0	1	5	19	5	2	10	3	1	3	1	5	0	
	9	1018.5	+2.1	14.0	1.2	13.9	86	6.3	0	4	3	7	16	0	0	0	0	2	7	10	5	6	0	0	0	12	15	3	1	10	7	0	3	2	2	2	
	15	1017.6	-	16.4	2.4	14.3	76	6.5	0	3	4	13	10	0	0	0	0	3	14	6	4	3	0	0	1	12	16	1	0	8	5	1	3	2	9	1	
	21	1018.2	-	13.7	1.2	13.8	87	6.3	0	3	2	12	13	0	0	0	0	1	1	12	10	4	2	0	1	8	20	1	4	10	1	2	0	2	6	4	
8b. ENGLAND, S.W.																																					
Yeovilton [Somerset]																																					
23	3	1018.3	-	12.3	0.8	13.1	90	5.6	5	1	5	4	15	0	0	0	0	10	7	11	2	0	0	0	0	3	15	12	3	5	1	1	2	2	3	1	
	9	1018.7	-	14.1	1.4	13.8	85	6.9	0	2	2	11	14	1	0	0	1	0	1	11	10	7	0	0	1	6	18	5	4	10	4	1	3	2	0	1	
	15	1017.9	-	17.6	3.2	14.0	70	6.5	0	1	5	13	11	0	0	0	0	1	6	11	10	2	0	0	0	11	19	0	3	9	2	1	5	2	3	5	
	21	1018.4	-	13.9	1.3	13.8	85	5.7	2	2	7	9	10	0	0	0	1	4	4	12	9	0	0	0	0	2	17	11	3	4	0	1	3	4	2	2	
Portland Bill [Dorset]																																					
54	3	1017.7	-	14.0	1.0	14.3	89	5.5	6	1	4	4	15	0	0	0	0	0	1	19	4	5	1	0	2	11	14	3	3	4	11	2	2	0	3	2	
	9	1018.3	-	15.1	1.4	14.6	85	5.5	2	2	7	9	10	0	0	0	0	1	7	11	4	7	0	0	1	18	11	0	2	9	9	2	2	1	4	1	
	15	1017.6	-	16.9	2.3	14.9	77	6.2	1	1	5	13	10	0	0	0	0	0	3	14	7	6	0	0	1	13	15	1	3	2	5	6	4	1	7	1	
	21	1018.1	-	14.9	1.2	14.8	86	5.8	1	4	6	7	12	0	0	0	0	0	4	12	9	5	0	0	3	10	17	0	5	5	7	1	1	2	4	5	
Hartland Point [Devon]																																					
93	3	1017.0	-	13.9	0.9	14.4	90	5.3	3	5	4	6	11	1	0	1	0	0	2	1	8	12	5	1	0	3	12	13	2	2	7	5	3	4	1	6	0
	9	1017.5	-	14.4	1.1	14.5	88	6.4	0	2	4	15	8	1	0	1	0	0	1	4	10	5	7	2	0	4	14	10	2	4	11	3	2	1	3	4	0
	15	1017.1	-	15.2	1.3	14.9	86	5.9	1	3	5	15	6	0	0	0	0	0	3	11	7	6	3	0	3	9	16	2	2	13	1	0	0	2	7	3	
	21	1017.6	-	14.2	1.0	14.4	88	5.3	2	5	6	7	10	0	0	0	0	1	2	8	10	6	3	0	2	12	12	4	1	11	3	0	2	1	6	2	
Mount Batten [Devon]																																					
30	3	1017.9	-	13.2	0.6	14.2	92	6.1	3	2	2	9	14	0	0	0	0	1	6	12	9	2	0	0	0	4	19	7	6	2	7	1	1	1	4	1	
	9	1018.4	+1.7	15.1	1.3	14.8	85	6.1	1	4	4	11	10	0	0	0	0	0	7	9	6	7	1	0	1	6	21	2	4	6	7	1	3	4	1	2	
	15	1017.8	-	16.9	2.2	15.1	78	6.3	0	4	3	12	11	0	0	0	1	0																			



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS SEPTEMBER, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)					VISIBILITY (Metres and Kilometres)								WIND SPEED AND DIRECTION																					
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-39 m.	40-100 m.	200-300 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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
																									8 or more	6, 7	4, 5	1-3	Calm													
																																						SPEED IN KNOTS				
																																						24 or more	22-33	11-21	1-10	0
Number of Observations																																										
9 NORTHERN IRELAND — contd.																																										
Aldergrove [Antrim]																																										
73	3	1017.7	-	10.9	0.7	12.0	91	5.6	2	6	2	7	13	0	0	0	0	1	2	7	9	11	0	0	0	5	23	2	2	2	3	4	6	4	2	5						
	9	1017.4	+3.6	12.7	1.0	13.0	88	6.6	0	3	2	14	11	0	0	0	0	1	1	7	9	9	3	0	1	8	21	0	3	2	5	0	5	4	8	3						
	15	1016.5	-	16.0	2.5	13.6	74	6.5	0	2	3	18	7	0	0	0	0	1	0	4	4	14	7	0	1	9	20	0	2	0	5	3	2	7	7	4						
	21	1017.4	-	12.0	1.0	12.5	88	5.1	0	8	5	13	4	0	0	0	0	0	1	6	5	17	1	0	1	5	24	0	6	0	5	4	5	3	4	3						
CHANNEL ISLANDS																																										
Guernsey																																										
110	3	1017.8	-	14.1	0.8	14.7	91	4.6	5	5	5	7	8	0	0	0	2	1	4	5	5	7	6	0	0	8	20	2	3	12	2	0	3	2	6	0						
	9	1018.2	-	15.2	1.1	15.3	89	6.2	1	2	3	18	6	0	0	1	0	1	0	9	8	8	2	0	0	16	12	2	5	11	3	1	3	1	4	0						
	15	1017.7	-	16.3	1.9	15.0	81	5.7	0	5	4	14	7	0	0	0	2	2	1	8	5	8	4	0	1	17	12	0	5	11	0	0	5	4	4	1						
	21	1018.5	-	14.4	0.8	14.9	91	4.6	5	3	7	8	7	0	0	0	1	1	1	6	7	4	6	4	0	0	9	19	2	5	12	1	1	1	1	6	1					

TABLE VIII—NUMBER OF DAYS IN SEPTEMBER, 1969  
WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION										MAXIMUM TEMPERATURE °C.								MINIMUM TEMPERATURE °C.								STATION										MAXIMUM TEMPERATURE °C.								MINIMUM TEMPERATURE °C.							
										0-0 or less		0-1 to 5-0		5-1 to 10-0		10-1 to 15-0		15-1 to 20-0		20-1 to 25-0		25-1 to 30-0		Above 30-0												-15-0 or less		-14-9 to -10-0		-9-9 to -5-0		-4-9 to 0-0		0-1 to 5-0		5-1 to 10-0		10-1 to 15-0		Above 15-0	
Lerwick	..	..	0	0	4	25	1	0	0	0	0	0	0	0	6	16	8	0	Edgbaston	..	..	0	0	0	11	16	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	19	1							
Stornoway	..	..	0	0	2	20	8	0	0	0	0	0	0	0	6	14	10	0	Kew	..	..	0	0	0	2	19	9	0	0	0	0	0	0	0	0	0	0	1	4	6	18	1									
Craibstone	..	..	0	0	0	15	11	4	0	0	0	0	0	0	6	17	7	0	Hastings	..	..	0	0	0	1	23	6	0	0	0	0	0	0	0	0	0	6	20	5												
Rothsay	..	..	0	0	0	14	16	0	0	0	0	0	0	0	0	15	0		Southampton	..	..	0	0	0	0	14	16	0	0	0	0	0	0	0	0	1	4	6	24	1											
Abbots'inch	..	..	0	0	0	0	26	4	0	0	0	0	0	0	4	13	13	0	Stonyhurst	..	..	0	0	0	0	9	15	6	0	0	0	0	0	0	0	4	10	16	0												
Eskdalemuir	..	..	0	0	0	18	11	1	0	0	0	0	0	0	5	18	7	0	Bidston	..	..	0	0	0	7	21	2	0	0	0	0	0	0	0	0	5	25	0													
Douglas	..	..	0	0	1	10	19	0	0	0	0	0	0	0	9	21	0		Valley	..	..	0	0	0	3	24	3	0	0	0	0	0	0	0	0	6	24	0													
Acklington	..	..	0	0	0	12	13	5	0	0	0	0	0	0	3	13	14	0	Falmouth	..	..	0	0	0	3	26	1	0	0	0	0	0	0	0	0	8	22	0													
Gorleston	..	..	0	0	0	3	27	0	0	0	0	0	0	0	1	5	18	6	Aldergrove	..	..	0	0	0	6	24	0	0	0	0	0	0	0	2	11	17	0														
Cambridge	..	..	0	0	0	2	16	12	0	0	0	0	1	3	4	22	0		Armagh	..	..	0	0	0	6	22	2	0	0	0	0	0	0	0	1	13	16	0													

TABLE XIII—SOLAR RADIATION AND ILLUMINATION, SEPTEMBER, 1969

STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						DIFFUSE RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						TOTAL ILLUMINATION ON A HORIZONTAL SURFACE kilolux-hours					
	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days
Lerwick ..	412	13	81	28	206.3	30	236	3	74	9	136.2	30	408	13	84	28	209.2	30
Eskdalemuir ..	491	2	30	18	217.5	30	237	1	31	18	138.8	30	532	2	33	18	221.8	30
Cambridge ..	467	3	48	15	270.9	30	248	4	49	15	161.1	30	-	-	-	-	-	-
London W/Centre	514	3	43	15	246.3	30	219	10	42	15	105.2	30	613	3	67	15	315.9	30
Kew ..	483	3	39	15	250.6	30	233	10	40	15	153.0	30	607	3	58	15	317.7	30
Bracknell ..	493	3	45	15	256.8	30	261	6	45	15	166.3	30	647	3	65	15	338.4	30
Aberporth ..	442	22	70	16	245.1	29	251	6	71	16	171.1	29	-	-	-	-	-	-
Aldergrove ..	529	2	52	17	232.6	30	272	1	52	17	158.1	30	-	-	-	-	-	-
Jersey Airport ..	523	1	87	22	302.0	30	299	8	87	22	174.3	30	617	1	121	22	363.9	30



### TABLE III—ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	Max. Temp. in GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
					MEANS OF		Daily Mean (mean of A & B)	Difference from 1931—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 9.0—30 average	MOST IN A DAY		Precip'n 0.2 mm or more 1.0 mm or more	Snow or Sleet Snow lying at 9hr	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
					Max. (A)	Min. (B)			Maximum	Date	Minimum	Date	Amount (mm)	Date																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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1963	April	Long Ashton					-0.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

Annual Summary 1967.

Page 193. in "Notable Features" the gust in the Cairngorms in March should read "125 Kt" and rainfall at Hornby should read "at Hornby 76 mm of rain were recorded in 115 mins."

Page 197. in "Wind Speed" para. 2 line 1 should read "The gust of 125 Kt recorded.... " etc.

TABLE IV—ADDITIONS AND CORRECTIONS

[illegible]

TABLE II—ADDITIONS AND CORRECTIONS SEPTEMBER, 1969

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES					
			Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST					
						Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours				Year from N	Speed in knots	Hour ended at day hour		Year from N	Speed in knots	Day and Time			
1	Aberdeen	Fraserburgh	29	13	11	21, 22, 28-30	33	7	49	327	300	11	0	13.3	310	60	21 24	310	83	21 2320		
6a	Ayr	Ardrossan	24	20		21, 28	6	10	71	426	165	52	0	13.4	240	46	21 21	260	63	21 2030		
2	Lincoln	Waddington	80	10	10	-	0	0	0	192	452	76	0	8.3	240	21	21 23	240	35	21 2240		
4	Gloucester	Fairford	78	10		-	0	0	0	127	435	158	0	6.9	240	19	21 22	240	30	21 2140		
7a	Westmorland	Moor House	597	15	14	21, 22, 24, 26, 28, 30	14	14	107	205	277	105	12	12.1	250	37	26 04	280	61	21 2240		

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# Monthly Weather Report

## OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntary observers.

Volume 86 Number 10

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### October 1969 — Unusually warm; very dry in the south, changeable in the north

High pressure affected the south and east of the British Isles for most of the month. In the north and west, however, low pressure sometimes brought changeable, occasionally stormy, weather.

#### N. Scotland

**Weather** — The weather was generally changeable. Rain or showers were heavy at times and on the 1st/2nd sleet (rain or drizzle and snow) fell in the Northern Isles and on high ground in Caithness and Sutherland. Light snow settled on the mountain peaks in these counties on the 28th/29th.

**Wind** — The frequency of gales was rather above average especially in the north of the region and over high ground. Gale-force winds were reported on 23 days at Cairngorm, 1090 m, (Inverness-shire) but, in general, gales occurred on about 16 days during the month. Stormiest periods were around the 7th, 15th and from the 24th to 31st; a gust of 85 kt was recorded at Cairngorm on the 7th.

**Temperature** — Monthly mean temperature was about 1 degC above the normal in northern counties and over 2 degC above average in other areas. Extreme temperatures recorded during the month included: 21.7°C at Balmacara (Ross and Cromarty) on the 18th and -3.9°C at Cairngorm on the 1st and 2nd.

**Rainfall** — Rainfall varied from over 50 per cent above average in the west of the area to just below average in the east and north. It was very wet in many areas on the 15th and 16th. A 'daily' fall of 102 mm was recorded at Kinlochurn (Inverness-shire) on the 15th and 71 mm fell at Duntulm (Isle of Skye) on the same day.

**Sunshine** — Although sunshine amounts were near average in places, other areas were dull; only 71 per cent of the normal was recorded at Lerwick (Shetland).

#### E. and W. Scotland, England, Wales and N. Ireland

**Weather** — It was very dry generally but exceptionally so in south and east England; it is estimated that the general areal rainfall over England and Wales, although equalled in 1809 and 1947, has not been lower in October since 1784. Restrictions on the use of water were introduced in many urban areas as reservoirs became depleted. Winds were often from a southerly point bringing warm, though sometimes foggy, weather to most areas. New values of lowest rainfall and highest mean temperature for October were recorded at a number of long-established stations.

**Wind** — Gale frequency was, in general, about average, occurring on about 7 days in west Scotland, 5 days in North Wales but on only 1 or 2 days in a few other areas. However, gales were recorded on 16 days at Earl's Hill, 335 m, (Stirlingshire). The 24th was very windy in many areas and gusts over 60 kt occurred in west Scotland and northern England causing some damage to property.

**Temperature** — The monthly mean temperature was over 3 degC above average at a number of places. It exceeded the average by 3.3 degC at a few places including Balmoral, 283 m, (Aberdeenshire). In general, however, mean temperature was 2-3 degC above the normal. It was the mildest October at Durham since records commenced in 1847 and the mildest at Kew since continuous records began about 1868.

It was particularly warm on the 9th and 10th when temperatures exceeded 20°C in most areas and many places had their warmest October day since 1959. Maxima during the month included: 26.5°C at East Dereham (Norfolk) and 24.4°C at Ruthin (Denbighshire) on the 9th; 24.1°C at Strabane Convent (Co. Tyrone) and 23.3°C at Mertoun (Berwickshire) on the 10th.

Frost occurred in a few northern areas, including Northern Ireland, on the 1st and in a number of places in England and Wales on the 30th. Among minimum temperatures recorded during the month were: -4.4°C at Lacock (Wiltshire) and -0.5°C at Usk (Monmouthshire) on the 30th; -2.3°C at Knockmany Forest (Co. Tyrone) on the 1st.

**Rainfall** — Less than half the average amount of rain fell in eastern Scotland, the eastern counties of Northern Ireland and the whole of England and Wales (except in central areas of the Principality). Many places in the southern half of England recorded less than 10 per cent of average rainfall. Only 1 or 2 per cent occurred in some areas, notably on the Sussex coast, and no measurable rain was recorded at a rainfall station near Bedford. In the Southend (Essex) area rain on the 23rd ended a spell of 24 consecutive days with no measurable rainfall. It was the driest October ever at a number of places whose records began in the last century. Notable among these were Oxford (Radcliffe Observatory) and Durham where records commenced in 1815 and 1879 respectively.

Thunder was less frequent than normal in England and Wales where it was reported on 6 days. It also occurred in Scotland on 6 days, which is about average. There were isolated thunderstorms in Northern Ireland during the month and thunder was widespread in South Wales and south-west England on the 13th/14th.

**Sunshine** — Amounts were rather variable. In general they were below average in Northern Ireland, most of east and west Scotland and parts of eastern England. Tiree (Inner Hebrides) and Castle Archdale Forest (Co. Fermanagh) recorded only 64 per cent of average. South-east England was generally the sunniest district but the Firth of Forth area was also favoured. Dunbar (East Lothian) and London Weather Centre recorded 138 and 137 per cent of average respectively.

**Fog** — There were two main foggy periods during the month: from the 5th to 11th and during the third week. Widespread dense fog was mostly confined to nights and mornings but thick fog occasionally persisted all day in a few areas.

**Miscellaneous Phenomena** — The aurora was observed on 8 nights in Scotland.

TABLE I—DISTRICT VALUES, October 1969

DISTRICTS	AIR TEMPERATURE °C					EARTH TEMP. °C		RAIN DAYS	RAIN-FALL	SUN-SHINE
	*Highest Max.	*Lowest Min.	Max.	Min.	Mean	Mean 30 cm.	Mean 122 cm			
	Difference from Average							% of Average		
0 SCOTLAND, N.	19.4	-1.0	+1.6	+1.6	+1.6	+1.4	+0.9	-1	98	79
1 SCOTLAND, E.	21.7	1.7	+2.8	+2.7	+2.7	+1.4	+0.7	-5	42	103
2 ENGLAND, N.E.	24.4	1.1	+2.5	+2.3	+2.4	+1.9	+1.1	-8	20	96
3 ENGLAND, E.	25.0	3.3	+2.8	+2.3	+2.5	+1.8	+0.8	-8	12	101
4 MIDLANDS	23.9	2.2	+2.6	+2.8	+2.7	+1.9	+0.9	-8	13	103
5 ENGLAND, S.E.	24.4	-1.2	+2.9	+2.1	+2.5	+1.5	+0.6	-10	6	114
6 SCOTLAND, W.	20.1	1.5	+2.5	+2.9	+2.7	+1.9	+0.8	-1	70	90
7 ENGLAND, N.W and N.Wales	22.8	1.1	+2.7	+3.1	+2.9	+2.3	+1.2	-5	22	111
8 ENGLAND, S.W. and S.Wales	23.9	2.2	+2.1	+2.3	+2.1	+2.0	+1.1	-9	13	105
N.IRELAND	21.8	-0.6	+2.8	+2.8	+2.8	--	--	-3	53	79
SCOTLAND	21.7	-1.0	+2.3	+2.4	+2.3	--	--	-2	75	91
ENG. and WALES	25.0	-1.2	+2.6	+2.5	+2.5	--	--	-8	19	105

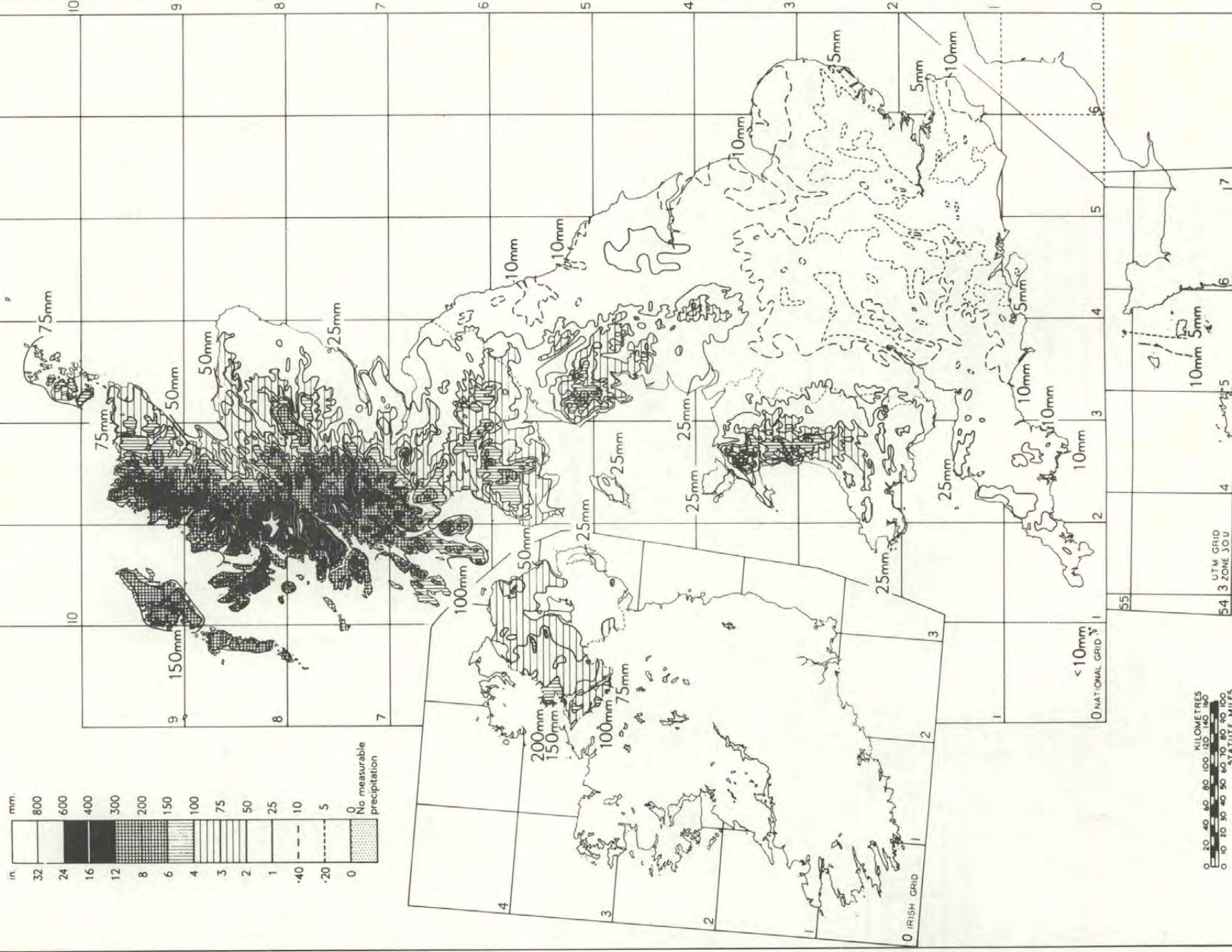
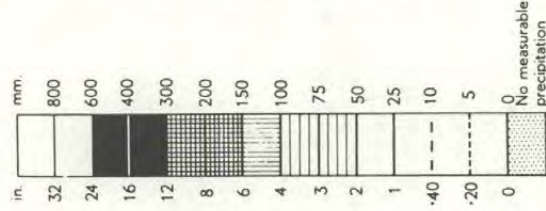
\*Highest Max. and Lowest Min. of the District Value Stations.



# RAINFALL

## OCTOBER 1969

The equivalent values in inches are given in round numbers.  
The exact relation is 10 in. = 254 mm.





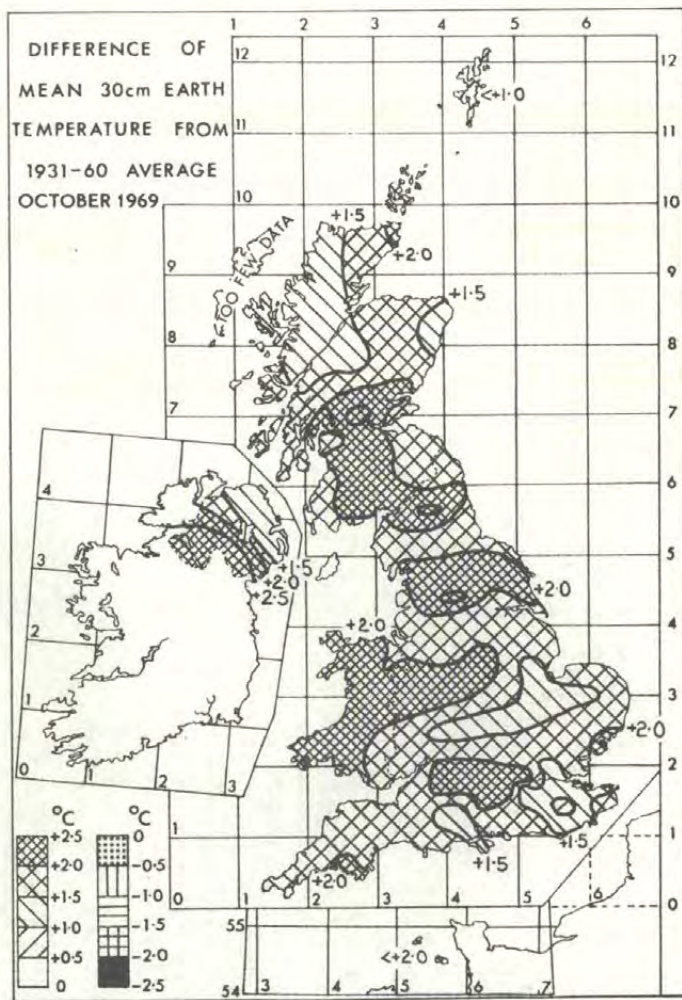
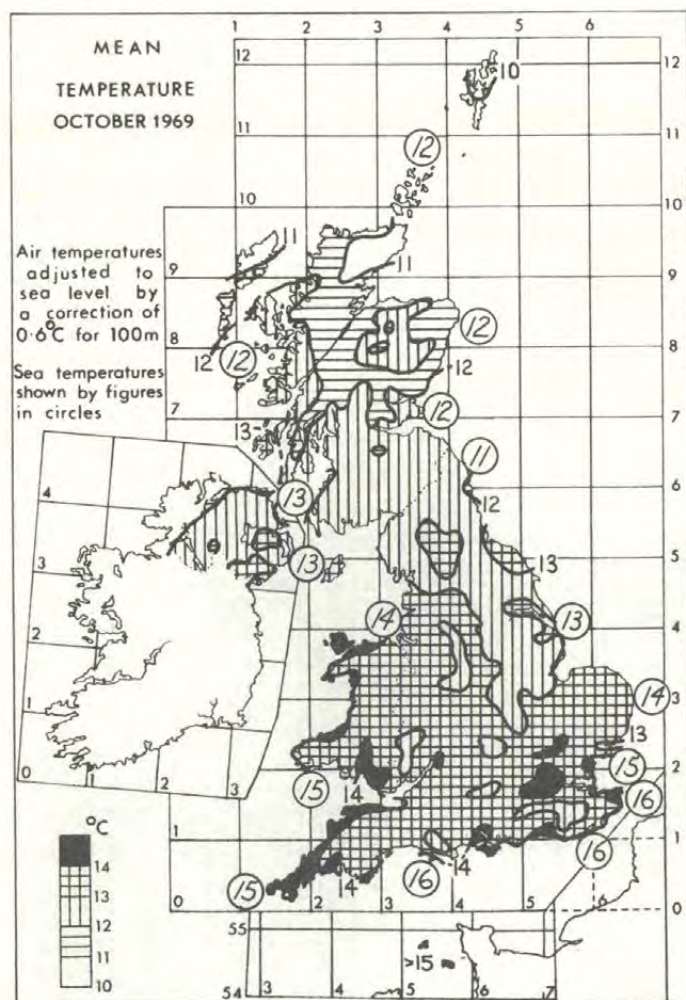
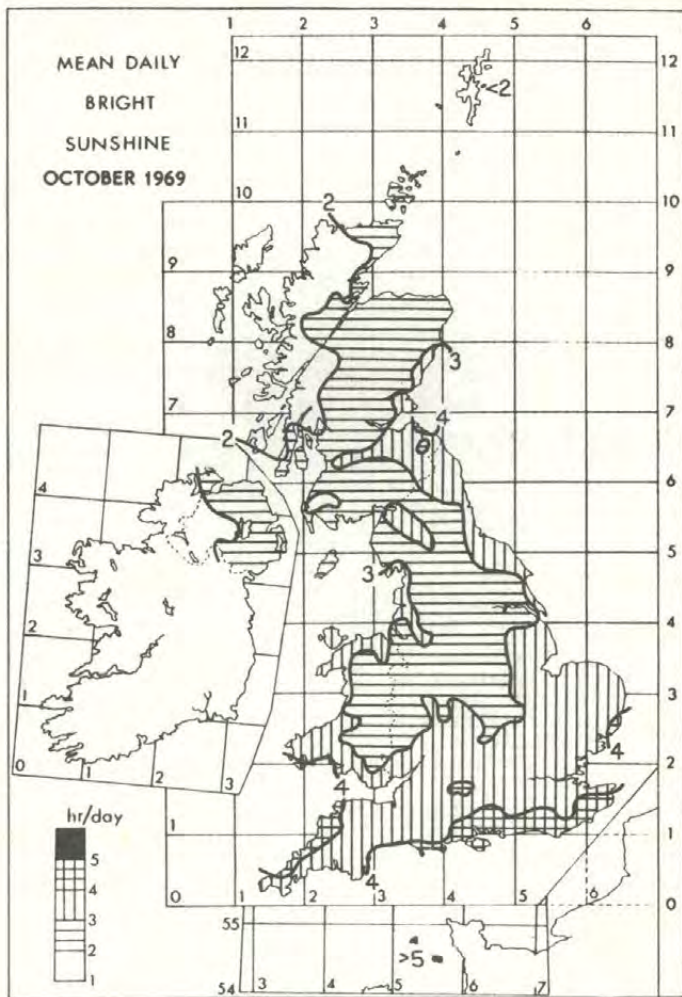
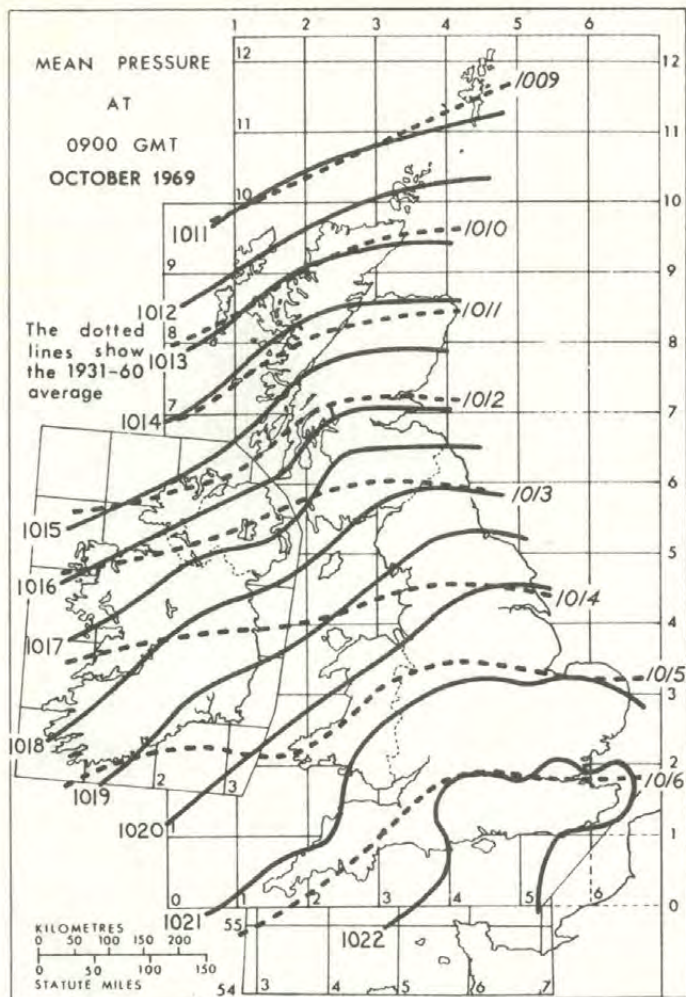




TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— OCTOBER, 1969

DISTRICT COUNTY AND PLACE				HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
				Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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TABLE II (continued)—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— OCTOBER, 1969

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/ Anemograph dismantled for re-erection. \* Defective record. † Record ceased. ‡ Incomplete record. @ Anemograph out of order. \*\* Record ceased temporarily.

TABLE III — SUMMARY OF DAILY OBSERVATIONS OCTOBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPERATURE °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1911-60 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date	Amount (mm)	Date			0.2 mm or more	1.0 mm or more																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS OCTOBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE					
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm)	Percentage of 1931-60 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frosty	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure	
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date	0.2 mm or more	1.0 mm or more														
0 SCOTLAND, N. -contd.																																	
Inverness																																	
Benbecula ...	21-9	6	13.7	10.1	11.9	+2.1	17.2	17	4.9	1	-	-	163	126	34	15	24	22	0	0	0	0	0	0	0	0	0	0	5	1.90	-	-	
Isle of Rhum €	99	5	14.8	10.1	12.5	-	18.3	11,12,18	4.4	1	12.1	12.4	340	116	53	15	26	24	0	0	0	0	0	0	0	0	-	7	-	-	-	-	
Prabost ...	99	67	14.1	9.1	11.6	-	18.9	11,18	3.3	1	-	-	249	115	41	15	28	24	0	0	0	0	0	0	0	1	-	4	1.91	-	-	-	
Duntulm ...	99	90	13.9	9.1	11.5	+2.1	18.9	12	3.9	2	-	-	235	154	71	16	26	23	0	0	0	0	0	1	0	0	-	4	1.72	77	-	-	
Onich ...	99	15	-	8.8	-	-	-	-	1.1	1	-	-	279	120	40	8	25	22	-	0	-	-	-	3	0	1	-	-	1.73	84	-	-	
Fort William €	99	8	15.9	8.9	12.4	-	20.6	18	1.1	1	11.6	12.2	245	121	28	13	25	22	0	0	0	0	1	1	0	1	-	-	1.61	-	-	-	
Corpach ...	99	8	15.4	8.8	12.1	-	20.6	18	2.2	1	-	-	304	-	55	15	23	21	0	0	0	0	0	0	0	4	-	3	-	-	-	-	
Fort Augustus ...	99	21	14.7	8.3	11.5	+2.7	18.3	5	1.7	1	-	-	137	-	24	23	25	20	0	0	0	0	0	0	0	0	0	1	2.18	-	-	-	
Inverness ...	99	4	15.5	7.4	11.5	-	19.4	5,17	2.2	2	-	-	64	94	13	1	16	12	0	0	0	0	0	0	4	0	1	-	0	2.45	-	-	-
Coire Cas Shielling	99	762	11.3	5.7	8.5	-	16.1	11	-1.7	1,2	-	-	90	-	20	1	22	20	2	0	0	0	0	0	4	-	-	-	-	-	-	-	
Cairngorm ...	99	1090	8.6	3.2	5.9	-	13.9	11	-3.9	1,2	-	-	156	-	37	1	21	19	2	1	0	0	0	-	6	-	-	23	-	-	-	S	
Achnagoichan ...	99	305	14.3	7.3	10.8	-	20.0	18	0.0	2	9.6	-	51	52	13	1	16	11	-	-	-	-	-	0	8	-	-	-	-	-	-	-	
Glenmore Lodge	99	341	14.5	6.5	10.5	+3.0	19.1	18	0.1	2	-	-	46	41	15	1	16	10	-	0	-	-	-	0	0	10	-	-	3.11	-	-	S	
1 SCOTLAND, E.																																	
Nairn																																	
Nairn ...	99	6	14.9	8.6	11.7	+2.5	20.0	17	3.3	2	-	-	50	72	14	1	22	12	0	0	0	0	0	2	0	0	-	1	2.35	79	-	-	
Moray																																	
Grantown-on-Spey	99	229	14.6	5.6	10.1	-	18.3	5,12,18	-0.6	2	-	-	44	-	17	1	17	12	1	0	0	0	0	2	1	11	-	0	-	-	-	-	
Forres ...	99	47	15.1	8.5	11.8	+2.7	19.4	17	2.2	2	11.1	11.8	68	98	15	15	19	15	0	0	0	0	0	1	0	0	-	0	2.44	81	-	-	
Kinloss ...	21-9	5	14.9	9.0	11.9	+2.7	19.7	17	3.0	2	11.1	-	64	94	14	15	20	14	0	0	0	0	0	1	0	1	0	2	2.24	-	-	-	
Elgin ...	99	15	15.5	8.0	11.7	-	20.0	5	2.2	2	-	-	69	97	13	1	17	16	0	0	0	0	0	1	0	0	-	0	2.71	-	-	-	
Lossiemouth ...	99	6	15.1	7.8	11.5	+2.4	19.4	5	3.3	2	-	-	57	84	13	1	17	15	0	0	0	0	0	1	0	2	0	2	-	-	-	-	
Gordon Castle ...	99	32	15.6	8.2	11.9	+2.7	19.4	5	1.7	2	-	-	63	79	15	1	17	16	0	0	0	0	0	-	0	-	-	0	2.55	89	-	-	
Banff																																	
Glenlivet ...	21-9	215	14.6	7.6	11.1	-	19.1	5	0.4	2	-	-	53	-	17	1	16	12	0	0	0	0	0	0	0	4	0	0	2.83	-	-	-	
Banff ...	99	24	14.8	8.9	11.9	-	18.9	9,17	1.7	2	-	-	59	-	15	1	20	12	0	0	0	0	0	0	0	-	-	1	2.23	-	-	-	
Aberdeen																																	
Braemar ...	99	339	13.7	6.4	10.1	+3.1	18.9	18	0.0	2	-	-	41	39	19	1	16	10	-	0	-	-	-	0	0	-	-	-	2.33	-	-	S	
Balmoral ...	99	283	14.4	6.5	10.5	+3.3	18.3	10,18	-1.1	1	-	-	31	33	18	1	11	7	1	0	0	0	0	-	1	3	-	0	-	-	-	-	
Dinnet ...	99	177	15.3	6.8	11.1	-	20.6	10	0.6	2	10.4	-	29	-	17	1	12	6	-	0	-	-	-	0	2	-	-	-	3.63	-	-	-	
Gartley ...	99	160	15.1	6.9	11.0	-	18.9	17	0.0	2	-	-	41	-	17	1	19	11	-	-	-	-	-	0	0	-	-	-	-	-	-	-	
Inverurie Swge. Wks.	99	54	15.2	7.6	11.4	-	20.0	9	1.7	2	-	-	31	-	12	1	12	9	0	0	0	0	0	4	0	0	-	0	2.91	-	-	-	
Fyvie Castle ...	99	66	14.8	7.5	11.1	-	18.9	9	1.7	2	-	-	34	36	13	1	11	10	0	0	0	0	0	-	0	0	-	0	2	-	-	S	
Craibstone ...	99	91	14.6	7.9	11.3	+2.6	20.0	9	1.7	2	10.7	11.1	29	32	10	1	15	9	0	0	0	0	0	0	0	0	-	0	2.94	94	-	-	
Dyce ...	21-9	58	15.0	8.1	11.5	+2.7	21.1	9	2.3	2	-	-	31	33	11	1	16	9	0	0	0	1	0	1	0	0	0	0	2.82	-	-	-	
Aberdeen ...	99	52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fraserburgh ...	21-9	18	14.0	9.5	11.7	-	18.0	9	3.0	2	-	-	33	-	8	1	14	9	0	0	1	0	0	1	0	0	0	3	2.42	-	-	-	
Kincardine																																	
Fettercairn ...	99	171	14.1	7.2	10.7	+2.6	20.6	10	0.6	2	-	-	43	40	16	1	16	6	0	0	0	0	0	2	0	4	-	0	2.68	-	-	S	
Strachan ...	99	120	15.1	7.1	11.1	-	20.6	10	1.1	30	10.3	-	38	-	12	1	13	11	0	0	0	0	0	4	0	0	-	0	3.60	-	-	-	
Banchory ...	99	77	15.6	7.8	11.7	-	20.0	10	2.2	2	-	-	32	-	12	1	13	9	0	0	0	0	0	2	0	2	-	0	-	-	-	-	
Angus																																	
Mylnfield €	99	30	15.1	8.8	11.9	-	20.6	10	2.2	1	11.3	11.4	28	38	9	1	11	7	0	0	0	0	0	3	0	2	-	0	3.02	-	-	-	
Dundee ...	99	45	15.3	9.2	12.3	+3.2	21.7	10	2.8	1	11.7	-	24	29	10	1	10	5	0	0	0	0	0	1									



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS OCTOBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE							
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916—50 average	MOST IN A DAY		Precip'n  0.2 mm or more or more	Snow or Sleet or more	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure				
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date																		
1	SCOTLAND, E. — contd.																																		
	Berwick — contd.																																		
				99	152	15.1	7.8	11.5	+2.8	21.7	10	1.7	1	-	-	26	31	6	1	10	7	0	0	0	0	2	0	-	-	4	2.54	103	S		
				99	255	14.3	7.4	10.9	-	21.1	10	1.1	1	-	-	28	32	8	19	12	7	0	0	0	0	1	-	0	-	2	-	-	-		
				99	75	15.0	9.2	12.1	-	20.5	10	5.0	1	-	-	-	-	-	-	-	-	0	0	0	0	2	0	0	-	3	-	-	-		
	Peebles																																		
				99	226	14.7	8.0	11.3	-	21.1	17	0.0	1	-	-	65	52	15	23	19	13	0	0	0	0	0	0	2	-	0	-	-	-		
				99	253	14.3	7.6	10.9	-	19.4	10	0.0	1	-	-	39	42	8	23	15	9	0	0	0	0	0	1	0	1	-	1	3.06	-		
				99	244	14.7	6.6	10.7	-	19.4	10	-1.1	1	10.9	11.9	44	43	8	21	11	0	0	0	0	0	2	1	1	-	0	-	-	-		
				99	177	15.5	7.8	11.7	-	21.1	5,10	-1.1	1	-	-	28	34	5	1	12	10	-	0	-	-	-	1	1	-	-	-	-	-		
	Selkirk																																		
				99	183	15.2	7.4	11.3	-	22.2	10	0.6	1	-	-	45	49	11	22	16	10	0	0	0	0	1	4	0	-	-	2	-	-	-	
				99	198	14.6	7.9	11.3	-	21.1	10	2.2	1	-	-	32	-	6	1,8	17	7	0	0	0	0	1	3	0	0	-	0	3.05	-	S	
	Roxburgh																																		
				99	171	15.3	6.9	11.1	-	21.7	10	-0.6	1	-	-	34	37	6	1,8	14	9	0	0	0	0	0	3	1	-	-	2	-	-	-	
				99	35	16.1	7.9	12.0	-	22.2	10	-0.6	1	-	-	25	-	6	1	9	7	0	0	0	0	0	1	1	4	-	0	3.09	-	-	
				99	219	14.9	8.1	11.5	+3.2	21.7	10	0.6	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	1	-	0	3.45	-	-	-	
6a	SCOTLAND, W.																																		
	Argyll																																		
		¶¶	21-9	9	14.1	10.6	12.3	+1.9	16.0	11	4.6	1	-	-	180	138	42	15	23	21	0	0	0	1	0	1	0	0	0	0	4	1.70	64	-	
		...	21-9	20	14.8	10.9	12.9	-	19.1	11	4.8	1	-	-	117	66	16	8	21	17	0	0	0	0	0	0	0	0	0	0	4	-	-	-	
		...	99	27	14.6	10.1	12.3	+2.1	17.2	11	4.4	1	-	-	131	82	15	1	24	21	0	-	0	0	0	2	0	-	-	0	-	-	-	-	
		...	99	37	15.1	9.2	12.1	-	18.3	8,11,12	2.2	1	-	-	242	-	40	15	25	23	0	0	0	0	0	0	0	1	-	2	-	-	-	-	
		...	99	3	14.6	10.2	12.4	-	18.3	11	4.4	1	-	-	168	-	31	8	23	20	-	0	-	-	-	0	0	0	-	1	-	-	-	-	
		...	21-9	10	14.7	11.0	12.9	-	19.0	9	5.4	1	-	-	94	-	17	23	20	17	0	0	0	2	0	1	0	0	0	1	2.04	-	-	-	
		...	99	3	15.1	10.7	12.9	-	18.3	9	4.4	1	-	-	107	-	17	23	22	20	0	0	0	0	0	3	0	-	0	1	1.98	-	-	-	
		...	99	12	15.1	7.6	11.3	-	18.3	10	0.0	1	-	-	151	81	23	1	22	18	0	-	0	0	0	0	0	2	-	0	-	-	-	-	
		...	99	40	14.6	9.2	11.9	-	17.8	9	3.9	1	-	-	176	-	26	1	22	20	0	0	1	0	2	0	0	0	0	-	2	-	-	-	
		...	99	24	14.2	9.3	11.7	-	17.2	18	1.1	1	-	-	213	-	31	8	26	22	-	0	-	-	-	0	0	1	-	-	-	-	-	-	
		...	99	24	15.3	9.3	12.3	-	19.4	18	0.6	1	-	-	358	-	44	8	26	23	0	0	0	0	0	-	0	1	-	0	-	-	-	-	
		...	99	12	14.4	9.7	12.1	-	17.8	10	3.9	1	-	-	228	83	29	8	25	22	0	0	0	0	1	0	0	1	-	0	-	-	-	-	
	Bute																																		
		...	21-9	18	14.3	10.7	12.5	-	17.5	18	4.2	1	-	-	115	-	21	23	20	15	1	-	0	0	0	0	1	0	0	0	4	2.39	-	-	-
		...	99	15	15.2	10.0	12.6	-	18.3	9,18	2.8	1	12.9	-	146	-	22	1	23	20	0	0	0	0	0	0	1	-	1	-	-	-	-	-	
		¶¶	99	43	14.6	10.2	12.4	+2.8	17.2	9	3.3	1	11.8	11.9	134	79	27	1	23	18	0	0	0	0	0	0	0	0	0	-	0	2.15	90	S	
	Dunbarton																																		
		...	99	15	14.7	10.0	12.3	-	17.8	14	3.9	1	-	-	201	-	34	13	23	19	0	0	0	0	0	-	0	-	-	0	-	-	-	-	
		...	99	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		...	21-9	12	14.4	10.0	12.2	-	17.7	18	2.6	1	-	-	314	-	47	23	25	23	0	-	0	0	0	0	0	-	-	0	-	-	-	-	
		...	99	94	14.5	7.9	11.2	-	18.3	9	-0.6	1	-	-	74	-	17	8	22	15	0	0	0	0	3	0	1	1	-	0	-	-	-	-	
	Stirling																																		
		...	21-9	335	12.1	7.8	9.9	-	18.2	10	0.8	1	-	-	72	-	17	8	26	14	0	-	0	0	0	6	0	1	1	16	2.36	-	-	-	
		€	99	46	15.1	9.6	12.3	+2.9	19.4	10	2.2	1	12.1	12.8	44	41	12	8	21	6	0	0	0	0	0	3	0	1	-	0	2.53	-	-	-	
		Wks.	99	3	15.7	8.8	12.3	-	18.9	9,10	(1.7)	1	-	-	41	-	14	8	17	9	0	0	0	0	0	3	0	-	-	0	2.69	-	-	-	
		...	99	4	15.7	9.4	12.5	-	19.4	9,10	2.2	1	-	-	40	-	10	8	15	8	0	0	0	0	0	3	0	0	-	0	-	-	-	-	
	Renfrew																																		
		...	99	61	14.2	10.0	12.1	+2.3	17.8	17	4.4	1	-	-	124	66	22	13	23	18	0	0	0	0	0	0	0	0	0	-	0	1.85	82	-	
		€	99	32	14.9	9.7	12.3	+2.5	17.8	5,10,17	2.8	1	11.8	12.0	62	47	15	23	20	13	0	0	0	0	0	2	0	1	-	0	2.30	99	-	-	
		...	99	30	15.1	9.0	12.1	-	18.3	9,10,17	2.2	1	-	-	62	48	15	8	21	14	0	0	0	0	0	1	0	0	-	0	-	-	-	-	
		¶¶	21-9	5	15.1	9.3	12.2	+2.7	18.5	10,17	1.5	1	-	-	53	45	13	23	18	10	0	0	1	0	0	1	0	1	1	0	2.22	95	-	-	
	Lanark																																		
		...	99	23	15.5	9.2	12.3	-	19.4	10	1.7	1	-	-	50	-	13	8	21	11	0	0	0	0	0	3	0	-	0	2.52	-	-	-	-	
		...	99	138	14.7	8.5	11.6	+3.0	18.3	10	1.7	1	-	-	66	51	16	8	20	13	-	0	-	-	-	-	0	1	-	-	-	-	-	-	
		...	99	107	14.6	9.2	11.9	+3.1	18.9	10	0.0	1	-	-	67	59	12	8	20	16	0	0	0	0	0	2	1	1	-	0	2.33	106	-	-	
		...	99	78	15.2	9.0	12.1	+3.0	19.4	10	1.7	1	-	-	56	57	11	8	19	13	0	0	0	0	0	0	0	-	0	-	-	-	-	-	
		...	21-9	274	13.2	7.9	10.5	-	17.5	9	1.2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		...	99	723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		...	99	387	13.2	7.4	10.3	+2.8	19.4	10	-0.6	1	-	-	123	67	20	23																	

\* Younger Botanic Gardens



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS OCTOBER, 1969

DISTRICT, COUNTY AND PLACE		Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE		
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-50 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1910-50 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-50 average	Exposure
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date															
				30 cm.	122 cm.																											
6b	ISLE OF MAN																															
	Ronaldsway ...	21-9	17	15.0	11.1	13.1	-	17.6	11	7.3	23	-	-	24	24	7	1	10	6	0	0	0	0	0	1	0	0	0	0	2.52	-	-
	Douglas ...	9 9	87	14.6	10.4	12.5	+2.0	19.4	10	6.1	1	-	-	33	26	7	1	13	8	0	0	0	0	0	1	0	0	-	2	2.28	70	-
	Point of Ayre ...	21-9	9	15.2	11.1	13.1	-	19.1	9	5.9	23	-	-	16	18	5	1	11	6	0	0	0	0	0	0	0	-	-	5	2.20	-	-
2	ENGLAND, N.E.																															
	Northumberland																															
	Kielder Castle ...	9 9	201	14.7	7.0	10.8	-	21.1	10	-1.1	1	11.5	-	48	38	10	23	16	11	0	0	0	0	1	11	2	2	-	0	-	-	-
	Haydon Bridge ...	9 9	79	15.8	8.2	12.0	-	22.2	17	0.6	1	12.0	12.6	15	-	4	19	11	5	0	0	0	0	2	0	2	-	0	-	-	-	
	Corbridge ...	9 9	49	16.1	7.7	11.9	-	21.1	9,10	-1.1	1	-	-	8	-	2	1	5	4	0	0	0	0	7	1	2	-	0	-	-	-	
	Berwick-on-Tweed †	9 9	23	14.9	8.9	11.9	+2.4	21.1	10	3.9	1	-	-	17	28	5	1	8	7	0	0	0	0	1	0	0	-	0	3.67	115	-	
	Acklington ...	21-9	42	15.1	8.0	11.5	+2.2	22.0	10	1.9	1	-	-	15	23	4	23	9	5	0	0	0	0	4	0	2	0	0	3.53	-	-	
	Tynemouth §§	21-9	29	15.0	10.0	12.5	+2.1	21.8	9	4.0	1	-	-	7	11	4	23	6	3	0	0	0	0	4	0	0	-	0	3.03	102	-	
	Seahouses ...	21-9	11	15.0	9.3	12.1	-	21.3	9	3.2	1	-	-	16	-	5	23	8	3	0	0	0	0	3	0	0	0	0	3.66	-	-	
	Durham																															
	Chopwellwood ...	9 9	136	15.4	8.3	11.9	+2.7	21.7	10	2.2	1	-	-	8	11	3	1	7	3	0	0	0	0	1	0	2	-	0	-	-	-	
	Upshaw College ...	9 9	181	15.4	-	-	-	23.3	10	-	-	-	-	13	19	4	2	9	6	0	0	0	0	3	-	-	-	0	-	-	-	
	Houghall ...	9 9	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Durham §§	9 9	102	15.7	8.7	12.2	+2.8	23.9	10	2.8	1	12.2	12.8	10	16	3	23	5	4	-	0	-	-	8	0	1	-	-	3.04	101	-	
	Hartlepool ...	9 9	9	16.3	9.7	13.0	-	22.8	9,10	3.9	1	-	-	11	18	3	19	7	4	0	0	0	1	5	0	-	-	0	3.36	-	-	
	Yorks., N. Riding																															
	Leeming ...	21-9	32	15.7	8.9	12.3	-	23.0	9	3.3	1	-	-	17	-	7	24	6	4	0	0	0	0	5	0	2	0	0	2.78	-	-	
	York (Heslington) ...	9 9	20	15.8	8.7	12.3	-	21.7	9	3.3	1	12.1	12.7	22	-	5	7	7	7	-	0	-	-	9	0	0	-	-	2.81	-	-	
	Ampleforth ...	9 9	95	15.4	8.8	12.1	+2.6	21.1	9	3.3	29	-	-	30	44	10	21	8	6	0	-	0	0	1	9	0	-	-	-	-	-	
	Redcar ...	9 9	8	16.8	9.7	13.3	-	22.8	10	3.9	1	-	-	12	21	4	1	7	4	-	0	-	-	2	0	-	-	-	3.38	-	-	
	Pickering ...	9 9	44	15.7	7.7	11.7	-	22.2	9	1.8	1	-	-	16	-	5	23	7	5	0	0	0	0	5	0	2	-	0	-	-	-	
	Whitby ...	9 9	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Scarborough ...	9 9	36	15.6	10.2	12.9	+2.1	22.8	9	4.4	1	12.3	13.1	13	23	4	1,23	6	6	0	0	0	0	4	0	0	-	0	3.27	103	-	
	Silpho Moor ...	9 9	203	14.8	8.2	11.5	-	21.7	10	1.7	1	11.0	-	18	23	4	1	14	6	0	0	0	0	12	0	2	-	0	3.30	-	-	
	Whitby Coast Guard	21-9	63	15.3	9.4	12.3	-	21.4	9	4.5	1,12	-	-	9	-	2	21	6	4	0	0	0	0	6	0	0	0	0	-	-	-	-
	Yorks., E. Riding																															
	High Mowthorpe ...	9 9	175	14.9	(8.6)	(11.7)	-	21.7	9,10	3.3	30	11.3	-	20	27	8	23	10	6	0	0	0	0	9	0	0	-	0	2.87	-	-	
	Hull §§	9 9	2	16.7	9.7	13.2	+2.5	23.3	9,10	4.4	1	12.7	13.3	11	19	3	7	8	5	0	0	0	0	1	0	1	-	0	2.87	95	-	
	Leconfield ...	21-9	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Filey ...	9 9	37	(15.4)	(8.7)	(12.1)	-	22.2	9	2.2	1	-	-	13	21	4	23	7	5	0	0	0	0	2	0	1	-	0	3.29	-	-	
	Bridlington §§	9 9	48	15.3	8.7	12.0	+2.2	21.7	9	1.7	1	-	-	18	28	7	23	11	6	0	0	0	0	10	0	0	-	0	3.03	89	-	
	Kilnsea ...	21-9	12	15.1	10.4	12.7	-	22.2	9	3.6	1	-	-	11	-	7	21	7	3	0	0	0	0	6	0	-	-	0	3.28	-	-	
	Lincoln																															
	Waddington ...	21-9	68	15.8	9.1	12.5	+2.5	24.0	9	4.6	1,30	-	-	17	-	5	21	10	5	0	0	0	0	8	0	0	0	0	3.16	95	-	
	Lincoln €	9 9	7	16.3	8.1	12.2	+2.3	24.4	9	1.1	1	12.9	13.3	15	28	3	19,23	10	4	0	0	0	0	6	0	2	-	0	3.18	-	-	
	Cranwell §§	9 9	62	16.2	8.5	12.3	+2.3	24.0	9	4.6	1,30	12.7	13.2	14	26	6	21	9	5	0	0	0	0	6	0	0	0	0	3.10	94	-	
	Brigg ...	9 9	3	16.5	8.6	12.5	-	23.3	9	2.8	1	-	-	14	-	4	23	10	5	0	0	0	0	9	0	2	-	0	-	-	-	
	Caistor ...	9 9	30	-	-	-	-	-	-	-	-	-	-	12	-	3	23	8	6	-	-	-	-	-	-	-	-	-	-	-	-	
	Binbrook ...	21-9	108	15.7	9.3	12.5	-	23.3	10	3.2	1	-	-	14	-	4	21	7	5	0	0	0	0	9	0	0	0	1	-	-	-	
	Cleethorpes ...	9 9	7	16.1	9.6	12.9	+2.3	26.1	9	5.0	1	-	-	13	23	5	23	7	5	0	0	0	0	5	0	0	-	0	2.84	83	-	
	Manby ...	21-9	17	16.8	8.7	12.7	-	24.9	9	3.4	30	12.7	-	10	19	2	23	7	7	0	0	0	0	6	0	3	0	0	3.53	-	-	
	Skegness ...	9 9	5	16.4	9.6	13.0	+2.4	22.8	9	1.7	1	-	-	9	17	3	14	5	4	0	0	0	0	4	0	0	-	0	3.40	99	-	
3	ENGLAND, E.																															



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS OCTOBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)			WEATHER Number of Days												BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916-50 average	Amount (mm.)	Date	Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass etc. frozen, etc.	Concrete min. below 0°C.	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date							0.2 mm or more	1.0 mm or more																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
3 ENGLAND, E. — contd.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS OCTOBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE				
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1931-60 average	MOST IN A DAY		Precip'n 0.2 mm or more 1.0 mm or more	Snow or Sleet	Snow lying at thr.	Hail	Ice Pellets etc.	Thunder heard	Fog at thr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure	
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date															
4 MIDLAND COUNTIES — contd.																																
Hereford																																
Lyonshall ...	99	155	15.4	8.7	12.1	+2.5	21.1	9	2.8	1,30	-	-	21	24	10	19	8	5	-	-	-	-	-	-	0	3	-	-	-	-	-	-
Ross-on-Wye ...	21-9	68	16.6	9.5	13.1	+2.7	23.8	9	2.2	30	13.2	13.8	9	13	5	19	6	2	0	0	0	0	0	7	0	2	0	0	3.10	102	-	
Preston Wynne ...	99	84	(16.1)	(7.9)	(12.0)	-	22.8	9	-0.5	30	-	-	12	19	5	19	8	3	0	0	0	0	0	7	1	2	-	0	2.94	-	-	
Gloucester																																
Filton ...	21-9	59	16.6	10.0	13.3	+2.6	23.5	9	4.4	10	-	-	6	7	2	19	4	2	0	0	0	0	0	4	0	1	0	0	3.26	-	-	
Hempsted ...	99	12	16.8	9.1	12.9	-	23.9	9	2.2	30	13.9	14.5	5	7	2	23	5	2	0	0	0	0	0	4	0	1	-	0	3.21	-	-	
Gloucester ...	21-9	24	17.1	10.8	13.9	-	24.4	9	4.7	30	-	-	5	-	2	19,23	6	2	0	0	0	0	0	3	0	0	0	0	3.46	-	-	
Cheltenham ...	99	65	16.6	10.1	13.3	+2.9	23.9	9	1.7	30	-	-	11	16	3	23	7	4	-	-	-	-	-	-	0	-	-	-	3.58	-	-	
Cirencester ...	99	135	16.2	8.3	12.3	-	23.3	9	0.0	30	-	-	8	10	2	13,23	9	4	0	0	0	0	0	13	0	3	-	0	3.20	-	-	
Little Rissington ...	21-9	226	15.5	9.3	12.4	-	22.5	9	1.5	30	-	-	9	11	4	13	9	2	0	0	0	0	0	10	0	1	1	0	3.30	-	-	
5 ENGLAND, S.E.																																
Greater London																																
Kensington Palace ...	99	25	(18.1)	(10.4)	(14.3)	(+2.9)	25.0	9	3.3	30	13.8	14.5	7	11	4	25	6	3	0	0	0	0	0	6	0	1	-	0	-	-	-	
Hampstead ...	99	137	17.5	10.0	13.7	+3.4	25.0	9	2.8	30	-	-	8	12	4	25	10	2	0	0	0	0	0	-	0	1	-	0	3.98	124	S	
St. James's Park ...	99	4	-	(11.0)	-	-	-	-	4.4	30	-	-	7	12	4	25	4	2	0	-	0	0	0	-	0	1	-	0	-	-	-	
Camden Square ...	99	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
London/W.Centre ...	99	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.89	137	-		
Greenwich ...	99	7	-	9.6	-	-	-	-	3.9	30	-	-	4	8	3	25	2	2	0	0	0	0	0	3	0	1	-	0	3.38	114	-	
Heathrow ...	21-9	25	18.2	10.2	14.2	+3.3	25.1	9	2.5	30	-	-	5	9	2	14	5	2	0	0	0	0	0	3	0	0	0	0	3.78	-	-	
Hampton ...	99	12	17.9	9.9	13.9	-	25.0	9	3.3	30	-	-	4	6	2	24	5	1	0	0	0	0	0	4	0	1	-	0	3.82	-	-	
Wealdstone ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.58	-	-		
Southgate ...	99	67	17.9	10.0	13.9	-	24.4	9	3.9	30	13.6	-	10	16	4	14	5	3	0	0	0	0	0	3	0	1	-	0	3.78	-	-	
Kew ...	21-9	5	17.9	8.3	13.1	-	24.4	9	0.4	30	13.1	13.7	4	7	1	14	7	1	0	0	0	0	0	6	0	6	1	0	3.85	122	-	
Waddon ...	99	67	-	9.3	-	-	-	-	1.1	30	-	-	5	8	2	25	5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
Addington ...	99	144	17.1	10.0	13.5	+3.1	23.9	9	2.8	30	-	-	7	9	3	25	5	3	-	-	-	-	-	0	0	-	-	-	-	-	-	
Bromley ...	99	65	-	(8.6)	-	-	-	-	(2.8)	2	-	-	6	9	3	25	3	3	-	0	-	-	-	2	0	-	-	-	-	-	-	
Surrey																																
Gatwick ...	21-9	59	17.8	7.5	12.7	+2.4	24.3	9	-1.2	30	-	-	3	3	2	24	3	1	0	0	0	0	0	5	1	5	1	0	3.98	-	-	
Witley ...	99	35	17.7	8.6	13.1	+2.8	23.9	9	1.1	30	13.7	14.3	3	4	1	23	4	1	0	0	0	0	0	2	0	7	-	0	3.61	118	-	
Mickleham ...	99	55	17.1	7.5	12.3	-	23.3	9	-1.1	30	13.5	13.9	4	6	2	24	5	2	0	0	0	0	0	10	1	5	-	0	-	-	-	
Kent																																
Dartford ...	99	5	18.5	8.6	13.5	-	26.1	9	1.1	30	-	-	4	8	2	25	5	1	0	0	0	0	0	4	0	-	-	0	-	-	-	
Hadlow College ...	99	27	17.7	(6.7)	(12.2)	-	23.3	9	-1.1	30	13.2	13.7	7	-	4	25	4	2	0	0	0	0	0	9	1	4	-	0	3.67	-	-	
Gillingham ...	99	4	18.0	(9.4)	(13.7)	-	22.8	6,9	5.0	2,30	-	-	2	3	2	25	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Isle of Grain ...	99	3	18.0	11.4	14.7	-	23.3	9	5.6	30	-	-	3	-	2	25	2	1	0	0	0	0	0	4	0	0	-	0	3.62	-	-	
Dungeness ...	21-9	3	17.0	10.9	13.9	+2.1	19.6	9	2.0	30	-	-	17	22	6	23	6	5	0	0	0	0	0	2	0	-	-	0	-	-	-	
Whitstable ...	99	3	17.7	9.6	13.7	-	23.3	6	5.0	30	-	-	6	9	3	25	4	3	0	0	0	0	0	2	0	-	-	0	3.84	-	-	
Folkstone ...	99	39	17.2	10.9	14.1	-	21.7	9	3.9	30	-	15.0	11	14	5	21	4	3	0	0	0	0	0	0	0	0	-	0	4.80	-	-	
Elmstone ...	99	9	17.4	7.4	14.4	-	22.8	6,9	1.7	30	-	-	5	-	4	21	3	1	-	0	-	-	-	3	0	0	-	-	-	-	-	
Herne Bay ...	99	6	17.4	10.6	14.0	-	22.8	6	5.0	30	-	-	6	8	2	25	4	3	0	0	0	0	0	2	0	-	-	0	3.80	-	-	
Dover ...	99	6	-	11.1	-	-	-	-	3.9	30	15.3	15.8	11	13	5	21	4	3	0	0	0	0	0	0	0	0	-	0	4.38	-	-	
Deal ...	21-9	5	16.8	10.9	13.9	-	21.9	6	4.3	30	-	-	11	-	6	21	5	3	0	0	0	0	0	1	0	0	0	-	-	-	-	
Manston ...	21-9	44	17.3	10.0	13.7	-	23.2	9	3.6	30	-	-	8	12	4	21	4	2	0	0	0	0	0	2	0	2	0	-	-	-	-	
Ramsgate ...	99	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Margate ...	99	16	17.0	11.6	14.3	+2.3	22.8	6,9	3.3	1	13.9	14.9	8	13	4	21	4	4	0	0	0	0	0	2	0	0	-	0	3.86	103	-	
West Malling ...	99	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Goudhurst ...	99	85	17.1	8.3	12.7	-	22.8	9	1.1	30	-	-	6	7	4	25	3	2	0	0	0	0	0	3	0	6	-	0	-	-	-	
East Malling ...	99	37	17.9	7.3	12.6	+2.4	24.4	9	0.0	30	12.9	14.0	3	3	2	25	2	1	0	0	0	0	0	4	0	1	-	0	3.89	113	-	
Throley ...	99	150	17.0	-	-	-	23.9	9	2.2	30	12.8	13.4	8	8	4	25	10	2	0	0	0	0	0	3	0	1	-	0	3.94	-	-	
Faversham ...	99	48	17.4	8.7	13.1	-	23.9	9	2.2	30	14.2	14.6	6	-	4	25	4	2	0	0	0	0	0	4	0	1	-	0	3.88	-	-	
Wye ...	99	56	17.7	8.0	12.9	+2.3	23.9	9	1.1	30	13.4	14.1	10	11	5	25	4	3	0	0	0	0	0	5	0	2	-	0	4.29	118	-	
Sussex																																
Thorney Island ...	21-9	3	17.7	9.8	13.7	-	23.0	9	2.3	2	-	-	2	3	1	19	5	0	0	0	0	0	0	3	0	4	1	0	4.42	-	-	
Bognor Regis ...	99	7	16.7	10.9	13.8	+2.3	20.6	26	2.8	30	-	14.9	1	1	1	18	2	0	0	0	0	0	0	2	0	1	-	0	4.72	120	-	
Fernhurst ...	99	57	17.6	7.5	12.5	-	24.1	9	-2.2	30	13.2	-	3	3	1	19	7	0	0	-	0	0	0	-	1	5	-	0	3.88	-	-	
Littlehampton ...	99	5	17.4	10.6	14.0	+2.5	21.7	26	1.1	30,31	-	15.6	1	2	1	19	2	0	0	0	0	0	0	2	0	-	-	0	4.57	118	-	
Rustington ...	99	3	17.2	8.8	13.0	-	22.2	9	-1.7	30	-	14.4	2	-	1	19	3	1	-	0	-	-	-	2	5	-	-	0	4.23	-	S	
North Heath ...	99	21	-	7.2	-	-	-	-	-2.2	30	11.7	14.4	2	-	1	19	2	1	0	0	0	0	0	6	1	8	-	0	3.91	-	-	
Worthing ...	99	8	17.3	11.2	14.3	+2.5	20.6	10	3.9	31	13.9	-	2	2	1	19	3	1	0	0	0	0	0	0	0	2</						



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS OCTOBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days												BRIGHT SUNSHINE					
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916-50 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure	
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date	0.2 mm or more	1.0 mm or more														
5. ENGLAND, S.E. — contd.																																	
Hampshire — contd.																																	
Southsea	99	2	17.7	(11.6)	(14.7)	(+2.6)	22.8	26	3.9	30	14.4	15.5	2	3	1	19	4	1	0	0	0	0	0	0	3	0	-	-	0	4.38	114	-	
Hayling Island ...	99	4	17.1	10.9	14.0	-	21.7	9	3.9	2,30	-	-	3	-	2	13	4	1	0	0	0	0	0	0	2	0	-	-	0	4.35	-	-	
Long Sutton ...	99	156	16.7	8.8	12.7	+2.6	22.8	9	1.1	30	13.1	-	9	11	3	24	9	6	0	0	0	0	0	0	8	0	5	-	0	3.57	110	S	
Alice Holt Lodge	99	115	16.9	(8.6)	(12.7)	-	23.9	9	0.6	30	-	-	3	4	1	14	6	1	0	0	0	0	0	0	9	0	4	-	0	3.78	-	-	
S. Farnborough	99	69	17.3	8.7	13.0	+2.5	24.0	9	-0.2	30	-	-	5	8	2	14	6	2	0	0	0	0	0	0	7	1	6	1	0	3.65	112	-	
Isle of Wight																																	
St. Catherine's Pt.	99	16	16.8	11.5	14.1	+2.0	20.5	9	5.0	30,31	-	-	4	4	2	19	4	1	0	-	0	0	0	0	1	0	-	-	0	-	-	-	
Ventnor *	99	135	17.3	12.1	14.7	+2.4	21.7	9	5.0	30	14.6	14.6	3	3	1	19	6	1	0	0	0	0	0	0	1	0	0	-	0	4.61	113	-	
Shanklin	99	55	16.4	(11.2)	(13.8)	-	20.0	26	4.4	30	-	-	4	3	1	12,19	7	0	0	0	0	0	0	0	3	0	-	-	0	4.21	-	-	
Sandown	99	4	17.7	11.7	14.7	+2.5	21.7	26	3.9	30	-	-	2	2	1	12,25	5	0	0	0	0	0	0	0	1	0	-	0	-	4.51	-	-	
Ryde	99	5	16.9	11.0	13.9	+1.9	20.0	26	5.0	30,31	-	-	3	3	1	19	6	0	0	0	0	0	0	0	2	0	-	-	0	4.41	115	-	
Wiltshire																																	
Lacock	99	49	17.3	5.1	11.2	-	23.3	9	-4.4	30	-	-	8	11	5	14	5	1	-	0	-	-	-	-	3	4	2	-	-	-	-	-	
West Lavington	99	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Lynham	21-9	145	16.1	9.5	12.8	+2.6	22.9	9	3.1	30	-	-	6	8	3	13	6	2	0	0	0	0	0	0	6	0	1	1	0	3.86	-	-	
Larkhill	99	132	16.8	9.0	12.9	+2.9	23.5	9	-0.4	30	-	-	9	11	4	13	7	3	0	0	0	0	0	0	6	1	3	1	0	-	-	-	
Boscombe Down	21-9	126	16.9	9.1	13.0	+2.8	23.2	9	0.3	30	-	-	4	5	2	13,19	4	2	0	0	0	0	0	1	7	0	5	2	0	3.66	106	-	
Upavon	21-9	176	16.3	9.3	12.8	-	23.3	9	2.4	30	-	-	6	8	3	13	6	3	0	0	0	0	0	0	6	0	4	0	-	-	-	-	
Porton	99	111	16.8	8.5	12.7	+2.7	23.0	9	-1.2	30	12.5	-	3	4	1	18	7	0	-	0	-	-	-	-	7	1	6	2	-	-	3.76	109	-
7a. ENGLAND, N.W.																																	
Cumberland																																	
Sellafield	99	13	16.0	8.6	12.3	-	21.7	11	0.6	30	-	-	47	39	14	24	12	10	-	0	-	-	-	-	0	0	1	-	-	2.72	-	-	
Carlisle	21-9	26	15.8	9.7	12.7	-	19.7	5	2.2	1	-	-	33	-	6	1,19	15	9	0	0	0	0	0	1	1	0	1	0	0	3.42	-	-	
Newton Rigg	99	171	15.2	8.7	11.9	+3.1	19.4	10	1.1	1	11.9	-	22	23	6	23	17	7	-	0	-	-	-	-	0	0	2	-	-	3.52	129	-	
Spadeadam	99	274	13.3	7.6	10.5	-	17.8	5,10	-1.1	1	10.6	10.7	63	-	9	23	18	14	0	0	0	0	0	0	7	1	3	-	0	2.75	-	-	
Westmorland																																	
Ambleside	99	46	15.8	8.8	12.3	-	21.7	10,11	3.3	29	-	-	101	48	21	23	20	15	0	0	0	0	0	0	1	0	-	-	0	-	-	S	
Great Dun Fell	21-9	847	9.9	5.3	7.6	-	17.7	10	-1.5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	22	3	-	-	-	-	-	-		
Moor House	99	556	12.4	6.4	9.4	-	19.4	10	0.0	1	9.1	-	87	41	14	1	20	14	-	0	-	-	-	-	6	1	4	-	-	3.35	-	-	
Lancashire																																	
Squires Gate	21-9	10	16.1	10.6	13.3	+2.8	21.4	9	6.2	19	-	-	33	35	7	1	10	7	0	0	0	0	0	0	1	0	0	0	1	3.17	103	-	
Aigburth	99	14	16.2	10.8	13.5	-	22.0	9	7.2	1	14.6	15.5	17	-	3	1	10	7	0	0	0	0	0	0	4	0	0	-	0	2.54	-	-	
Southport	99	5	16.2	9.9	13.1	-	20.8	9	4.7	10	12.6	12.8	33	36	7	1	14	6	-	0	-	-	-	-	6	0	0	-	0	3.25	-	-	
Poulton-le-Fylde	99	12	16.7	10.2	13.5	-	21.1	8,12	7.2	1,10,13	-	-	44	43	10	23	10	7	0	0	0	0	0	0	0	0	0	-	0	-	-	-	
Grizedale	99	91	15.3	7.6	11.5	-	21.7	10	1.1	29	11.9	-	93	-	22	23	24	14	0	0	0	0	0	0	3	0	5	-	0	-	-	S	
Speke	21-9	22	16.3	10.5	13.4	-	22.5	9	6.0	19	-	-	20	25	3	25	11	8	0	0	0	0	0	1	6	0	0	0	0	2.42	-	-	
Kirkham	99	24	15.9	9.7	12.8	-	21.1	9	3.9	1	-	-	40	37	11	24	10	6	0	0	0	0	0	0	0	0	2	-	0	3.36	-	-	
Garstang	99	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Bailrigg	99	54	15.5	10.1	12.8	-	20.2	10	3.7	1	-	-	51	-	12	1	15	9	-	-	-	-	-	-	2	0	2	-	-	3.14	-	-	
Morecambe	99	7	15.7	(10.7)	(13.2)	(+2.7)	20.6	11	7.2	1	-	-	48	45	12	23	12	9	0	0	0	0	0	0	0	0	-	-	0	3.26	108	-	
Penketh	99	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Preston	99	33	15.9	10.3	13.1	-	22.2	9	3.9	1	-	-	42	39	11	1	12	7	0	0	0	0	0	0	6	0	2	-	1	-	-	-	
Bolton	99	107	15.4	9.4	12.4	-	22.2	10	3.3	1,29	12.3	-	47	-	11	23	16	10	-	0	-	-	-	-	3	0	2	-	-	3.01	-	-	
Stonyhurst	99	115	15.6	9.8	12.7	+3.0	22.8	9,10	3.3	29	-	-	46	34	12	1	14	10	-	0	-	-	-	-	1	0	-	-	-	2.76	100	-	
Manchester/ W. Centre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.93	-	-	
Helmshore	99	260	14.4	9.1	11.7	-	21.7	10	3.9	1,29	11.7	-	44	27	7	1,23	17	11	-	0	-	-	-	-	3	0	2	-	-	2.73	-	-	
Burnley	99	200	14.9	-	-	-	23.3	10	3.3	1,29	11.8	11.7	39	-	7	23	13	11	0	0	0	0	0	0	5	0	2	-	0	2.94	-	-	
Nelson	99	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Rochdale	99	110	15.6	(8.8)	(12.2)	-	22.8	10	2.2	1	-	-	41	35	8	23	16	9	0	0	0	0	0	1	5	0	2	-	1	-	-	S	
Cheshire																																	
West Kirby Park	99	8	16.7	10.7	13.7	-	22.8	9	7.2	10	-	-	14	-	5	19	9	5	-	0	-	-	-	-	-	0	0	-	-	3.06	-	-	
Bidston	99	60	15.5	10.7	13.1	+2.8	20.4	9	7.5	1,24	-	-	13	17	3	1,19	11	5	-	-	-	-	-	-	5	0	-	-	-	2.92	98	-	
Ness Gardens	99	55	16.6	10.3	13.5	-	22.2	9	7.2	11	-	-	10	-	3	19	9	4	0	0	0	0	0	0	5	0	0	-	0	2.51	-	-	
Winnington	99	20	16.6	9.9	13.3	-	23.3	9	5.6	1,19	-	-	15	19	5	7	8	5	0	0	0	0	1	6	0	0	-	0	-	-	-	-	
Knutsford	99	65	16.2	9.1	12.7	-	23.9	9	3.3	1	12.9	13.8	27	31	10	7	13	8	-	0	-	-	-	-	-	0	3	-	-	-	-	-	
Ringway	21-9	76	15.9	10.4	13.1	+3.2	22.5	9	3.9	1	-	-	24	29	10	7	9	6	0	0	0	0	0	1	1	0	0	0	0	3.25	118	-	
Macclesfield	99	152	15.4	9.7	12.5	+3.0	22.8	9	3.3	1	-	-	37	40	14	7	15	8	0	0	0	0	0	0	1	0	-	-	0	-	-	-	
7b. NORTH WALES																																	
Flint																																	
Rhyl	99	9	17.1	11.0	14.1	+3.2	22.2	9	7.8	2,23	-	-	18	23	6	19	9	5	0	0	0	0	0	0	0	0	0	-	1	3.90	124	-	
Prestatyn	99	4	17.1	10.5	13.8	-	21.1	9,17	6.1	18	-	-	14	18	6	19	9	5	0	0	0	0	0	0	0	0	-	0	-	3.64	125	-	
Hawarden Bridge	99	5	16.8	10.0	13.4	+2.9	22.8	9	5.0	10	-	-	11	15	4	19	8	3	0	0	0	0	0										



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS OCTOBER, 1969

DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days														BRIGHT SUNSHINE	
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916-50 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure	
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date																
8a. SOUTH WALES.																																
Cardigan																																
Aberporth ...	21-9	133	15.9	10.9	13.4	+2.6	21.4	9	5.8	1	-	-	30	25	11	13	9	5	0	0	0	0	1	0	0	0	0	0	3.69	-	-	
Gogerddan ...	9 9	31	16.9	10.1	13.5	-	23.9	9	3.9	1	-	-	49	42	18	7	15	10	0	0	0	0	1	0	0	0	0	3.45	-	-		
Swyddffynnon ...	9 9	165	16.2			-	23.3	9	0.0	2	-	-	66	47	20	13	8	6	-	0	-	-	-	0	1	1	-	-	3.62	-	-	
Trawscoed ...	9 9	61	(16.6)	(9.4)	(13.0)	-	23.3	9	3.3	1,30	13.7	-	51	38	16	7	9	7	0	0	0	0	0	0	0	0	0	3.31	-	-		
Llety-evan-hen ...	9 9	290	14.8	9.4	12.1	-	21.7	9	4.4	29	-	-	89	56	27	7	16	12	0	0	0	0	1	5	0	1	-	3.33	119	-		
Cwmystwyth ...	9 9	301	15.0	8.8	11.9	-	21.7	9	1.1	1	-	-	107	-	22	7	12	12	-	0	-	-	-	-	0	2	-	-	-	-	-	
Pembroke																																
Dale Fort ...	9 9	33	(16.8)	12.2	(14.5)	-	21.1	10	8.3	30	(13.8)	-	23	-	9	7	8	4	-	0	-	-	-	-	0	-	-	(4.21)	-	-		
Milford Haven C.B.*	21-9	37	16.0	11.9	13.9	-	20.1	10	6.7	29	-	-	27	-	11	7	9	7	0	0	0	0	2	0	0	0	0	0	-	-	-	
Brawdy ...	9 9	110	15.8	10.1	12.9	-	20.0	10	5.6	1,30	-	-	38	30	17	8	16	8	0	0	0	0	1	2	0	0	-	3.75	-	-		
Orielton ...	9 9	61	(15.9)	(10.4)	(13.1)	-	20.0	9	3.3	30	-	-	28	-	10	7	9	8	-	0	-	-	-	-	0	-	-	-	-	-	-	
Haverfordwest ...	9 9	8	16.3	9.0	12.7	-	20.6	9	1.7	1	-	-	47	-	16	7	9	6	0	-	0	0	0	0	0	-	0	3.36	-	-	-	
Carmarthen																																
Carmarthen ...	9 9	15	16.9	9.1	13.0	-	22.2	9	1.7	30	14.2	-	33	-	14	7	6	5	0	0	0	0	1	0	0	1	-	3.77	-	-	-	
Cenarth Mill ...	21-9	282	14.6	8.2	11.4	-	22.0	9	-0.4	1	-	-	36	-	15	19	10	5	-	0	-	-	-	9	1	6	-	-	-	-	-	
Radnor																																
Llandrindod Wells	9 9	235	15.2	-	-	-	22.2	9	-	-	12.4	-	91	84	39	19	10	7	0	0	0	0	0	5	1	-	-	2.71	100	S	-	
Brecknock																																
Llwynon ...	9 9	262	15.2	8.4	11.8	-	21.1	9	0.6	30	-	-	38	-	15	13	12	7	0	0	0	0	0	7	0	-	-	0	-	-	-	
Glamorgan																																
Mumbles ...	21-9	36	16.1	11.4	13.7	-	19.6	9	5.4	30	-	-	-	-	-	-	-	0	0	0	0	1	0	0	0	0	0	-	-	-	-	
Penmaen ...	9 9	82	15.9	10.8	13.3	-	18.9	10	4.4	30	13.9	14.3	41	-	15	13	13	7	0	0	0	0	1	1	0	0	-	0	-	-	-	
Swansea ...	9 9	8	16.8	11.6	14.2	+2.4	22.2	9	6.1	30	14.3	15.3	29	25	7	13	14	8	0	0	0	0	0	0	0	-	0	3.40	104	S	-	
Port Talbot ...	9 9	7	17.6	11.6	14.6	-	23.9	9	4.4	1,30	-	-	25	21	6	23	10	7	0	0	0	0	0	0	0	0	-	3.89	-	-	-	
Neath ...	9 9	62	16.9	11.3	14.1	-	22.8	9	3.9	30	-	-	27	20	7	19,23	12	6	0	0	0	0	1	0	0	1	-	0	-	-	-	
Rhosee ...	21-9	67	16.1	10.7	13.4	-	21.5	9	3.3	30	-	-	14	14	6	19	8	4	0	0	0	0	1	3	0	2	0	3.22	99	-	-	
Cardiff	9 9	62																														
Monmouth																																
Tredegar ...	9 9	313	(15.0)	8.6	(11.8)	-	21.1	9	3.9	2,31	-	-	40	22	9	13,19	11	6	0	0	0	0	0	9	0	-	-	0	-	-	S	
Newport ...	9 9	23	(16.7)	9.5	(13.1)	(+2.4)	22.8	9	2.2	30	-	-	19	18	8	19	5	4	0	0	0	0	0	4	0	0	-	3.30	-	-	-	
Usk ...	9 9	21	16.4	8.2	12.3	-	22.8	9	-0.5	30	13.3	-	53	51	25	24	8	7	-	0	-	-	-	7	1	2	-	3.12	-	-	-	
Crumblant ...	9 9	245	15.0	8.9	11.9	-	21.1	9	3.3	30	12.3	12.7	15	14	6	19	8	3	0	0	0	0	0	8	0	3	-	3.30	-	-	-	
8b. ENGLAND, S.W.																																
Somerset																																
Hawkridge ...	9 9	314	14.7	8.9	11.8	-	19.4	9	2.8	30	-	-	23	14	9	19	16	6	0	0	0	0	0	6	0	1	-	3.09	-	-	-	
Williton ...	9 9	96	16.6			-	22.2	9			-	-	15	-	9	19	5	3	0	0	0	0	0	4	0	3	-	0	-	-	-	
Cannington ...	9 9	29	16.6	9.8	13.2	-	22.2	9	3.3	30	14.2	-	16	2	6	19	7	3	0	-	0	0	0	5	0	0	-	3.05	92	-	-	
Weston-super-Mare	9 9	9	17.1	10.8	13.9	+2.4	23.3	9	5.0	30	-	-	17	18	8	19	5	3	0	0	0	0	1	5	0	-	0	3.53	105	-	-	
Cricket Malherbie	9 9	76	16.8	8.7	12.7	-	22.2	9	1.7	30	-	-	15	-	4	13	12	3	0	-	0	0	0	5	0	0	-	0	-	-	-	
Cheddar ...	9 9	11	(17.8)	(8.6)	(13.2)	-	23.9	10	0.0	30	(14.3)	-	13	-	5	19	6	6	-	0	-	-	-	-	0	-	-	-	-	-	-	
Yeovilton ...	21-9	18	17.1	8.8	12.9	-	23.0	9	-0.6	30	-	-	10	-	3	13	6	3	0	0	0	0	0	5	1	2	1	0	-	-	-	
Rodney Stoke ...	9 9	40	17.1	9.1	13.1	-	22.2	9	1.1	30	14.1	14.2	10	-	4	24	4	4	-	0	-	-	-	6	0	1	-	-	-	-	-	
Long Ashton	9 9	49	16.8	9.6	13.2	+2.6	23.9	9	2.2	30	13.7	-	12	12	5	19	7	4	0	0	0	0	0	3	0	0	-	3.53	111	-	-	
West Camel ...	9 9	27																														
Wincanton ...	9 9	114	16.5	8.8	12.7	-	22.2	9	-1.1	30	-	-	16	-	10	13	7	3	0	0	0	0	0	10	1	4	-	0	-	-	-	
Bath C.B.S.**	9 9	118	16.4	9.8	13.1	-	22.2	9	3.3	30	13.8	-	7	8	4	19	4	3	0	0	0	0	0	2	0	-	-	0	-	-	-	
Dorset																																
Portland Bill C.G.																																



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS OCTOBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE		
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1910-50 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date	0.2 mm or more	1.0 mm or more													
9. NORTHERN IRELAND																																
Londonderry																																
Loughmore Forest	99	174	14.8	8.3	11.5	-	21.8	10	-1.0	1	-	-	84	-	15	22	23	14	0	0	0	0	0	2	1	1	-	1	-	-	-	
Ballykelly	21-9	2	16.0	10.3	13.1	+2.9	20.5	9,10	1.9	1	12.9	13.2	54	57	11	22	16	9	0	0	0	0	0	0	0	0	0	2.25	80	-		
Derrynoyd Forest	99	88	15.5	8.9	12.2	-	20.9	10	2.0	1	-	-	69	-	19	23	21	13	0	0	0	0	0	2	0	2	-	-	-	-	-	
Somerset Forest	99	43	15.7	8.8	12.3	-	20.5	9	1.5	1	-	-	60	-	12	23	20	12	0	0	0	0	0	0	0	1	-	-	-	-	-	
Coleraine	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Garvagh Forest	99	91	15.2	8.9	12.1	-	19.4	9,10	2.2	1	13.5	13.6	61	-	11	23	21	14	0	0	0	0	0	3	0	2	-	1	-	-	-	
Moneydig	21-9	34	15.4	9.5	12.5	+3.0	20.1	9	1.8	1	12.8	-	57	50	9	8	20	12	0	0	0	0	0	4	0	1	0	0	-	-	-	
Antrim																																
Portrush Golf Club	99	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ballymoney	99	55	15.5	8.5	12.0	-	20.0	9	2.3	1	-	-	50	-	11	23	18	11	0	0	0	0	0	0	0	-	-	-	-	-	-	
Lisnafillan	99	38	15.7	9.1	12.4	-	20.6	10	2.2	1	-	-	54	-	10	23	19	10	0	0	0	0	0	2	0	1	-	2.24	-	-	-	
Aldergrove	21-9	69	15.4	9.8	12.6	+2.9	21.8	10	2.2	1	12.5	12.4	45	44	9	7	14	9	0	0	0	0	1	0	0	2	0	1	0	0	2.29	88
Greenmount	99	32	15.9	9.7	12.8	-	21.1	10	2.2	1	12.8	-	43	-	9	23	16	10	0	0	0	0	0	-	0	1	-	-	-	-	-	
Altnahinch	99	226	13.9	8.5	11.2	-	19.4	10	2.2	1	-	-	89	-	14	23	24	19	0	0	0	0	0	3	0	2	-	7	2.17	-	-	
Parkmore Forest	99	235	13.8	8.4	11.1	-	19.4	10	1.7	1	11.4	-	105	-	19	23	23	17	0	0	0	0	0	1	0	2	-	0	-	-	-	
Black Mountain	21-9	295	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lowtown	99	271	13.7	8.2	10.9	-	19.4	10,11	2.2	1	11.2	-	71	-	10	23	21	15	0	0	0	0	0	6	0	0	-	3	2.08	-	-	
Ballypatrick Forest	99	152	15.1	9.1	12.1	-	21.1	10	4.6	23	-	-	69	-	14	23	21	16	0	0	0	0	0	1	0	0	-	4	2.39	-	-	
Belfast, Malone*	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Newtownabbey	99	32	15.9	10.2	13.1	-	20.6	10	5.0	1	13.0	-	51	-	13	7	14	8	0	0	0	0	0	0	0	0	-	0	2.20	-	S	
Woodburn, North	99	217	13.9	8.3	11.1	-	19.4	9,10	1.7	1	-	-	59	46	11	7	16	13	0	0	0	0	0	10	0	0	-	-	-	-	-	
Larne	99	43	16.1	9.6	12.9	-	22.0	9	3.7	1	-	-	54	47	13	23	15	11	0	0	0	0	0	0	0	-	-	-	-	-	-	
Kilroot	99	22	15.6	9.6	12.6	-	20.0	9,10	2.8	1	-	-	47	-	14	22	9	9	0	0	0	0	0	0	0	1	-	-	-	-	-	
Ballylumford	99	24	15.6	10.2	12.9	-	20.6	9	4.4	23	-	-	47	-	12	23	15	8	0	0	0	0	-	0	0	-	-	-	-	-	-	
Down																																
Hillsborough	99	116	15.2	8.8	12.0	+2.5	21.1	10	1.7	1	12.3	12.2	40	43	11	7	12	9	0	0	0	0	0	0	0	1	-	2.44	89	-	-	
Kilkeel	21-9	18	14.9	10.2	12.5	+2.1	18.0	3	4.4	1	-	-	30	-	7	7	16	9	0	0	0	0	0	0	0	0	-	0	2.62	-	-	
Tollymore Park	99	76	15.6	9.8	12.7	-	18.9	10	3.9	1	-	-	33	24	6	22	11	7	0	0	0	0	0	3	0	0	-	-	-	-	-	
Rosetta	99	24	15.8	7.9	11.9	-	21.1	10	3.3	1	-	-	36	-	11	7	9	7	0	0	0	0	0	1	0	-	-	-	-	-	-	
Murlough	99	9	15.8	8.7	12.3	-	19.4	3	2.8	1	12.4	12.6	26	-	7	13	13	7	0	0	0	0	0	4	0	3	-	0	2.71	-	-	
Stormont Castle	99	56	15.6	9.3	12.5	-	20.6	9	2.8	1	12.3	12.8	38	39	10	7	12	7	0	0	0	0	0	8	0	0	-	0	2.31	-	-	
Downpatrick	99	36	15.9	9.6	12.7	-	20.0	10	3.9	1,29	-	-	27	-	6	13	12	8	0	0	0	0	0	2	0	0	-	-	-	-	-	
Creighton's Green	99	119	14.8	9.5	12.1	-	20.0	10	3.9	1	-	-	42	-	10	7	13	9	0	0	0	0	0	1	0	0	-	0	-	-	-	
Reagh Island**	99	12	15.7	10.1	12.9	-	19.4	10	4.4	1	-	-	31	-	9	22	10	8	-	-	-	-	1	4	0	0	-	2.43	-	-	-	
Helen's Bay	99	43	15.6	9.9	12.7	-	21.1	10	5.6	1,23	-	-	39	-	10	7	12	9	0	0	0	1	0	2	0	0	-	0	2.44	-	-	
Killough	21-9	15	14.8	10.1	12.5	-	17.6	10	2.8	1	-	-	17	-	5	22	13	5	0	0	0	0	0	4	0	0	-	6	-	-	-	
Ballyhalbert	99	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.42	-	-	-	
Armagh																																
Armagh	99	62	16.1	9.2	12.7	+2.8	21.1	9	1.7	1	13.6	13.5	37	44	10	7	16	10	0	0	0	0	0	3	0	2	-	0	2.09	76	-	
Loughgall	99	25	15.9	9.0	12.5	-	21.1	10	1.7	1,29	-	-	36	45	10	7	15	9	0	0	0	0	0	4	0	3	-	0	2.23	-	-	
Glenanne	21-9	134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bessbrook	99	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Portadown	99	16	16.4	9.2	12.8	-	22.2	10	1.7	1	13.2	13.6	39	-	11	7	12	8	0	0	0	0	-	0	2	-	-	-	-	-	-	
Lurgan	99	55	16.0	9.2	12.6	-	22.2	10	1.7	1	12.7	13.3	36	-	11	7	12	7	-	-	-	-	-	-	0	1	-	2.46	-	-	-	
Tyrone																																
Lough Bradan	99	169	14.5	8.3	11.4	-	20.0	10	1.1	1	-	-	142	-	26	23	21	17	-	0	-	-	-	2	0	2	-	-	1.72	-	-	
Baronscourt Forest	99	88	15.4	8.9	12.1	-	21.5	10	-0.3	1	-	-	91	-	16	23	22	15	0	0	0	0	0	0	1	1	-	-	-	-	-	
Strabane Convent	99	44	16.0	9.3	12.7	-	24.1	10	0.5	1	-	-	77	-	14	8	18	13	0	0	0	0	1	2	0	1	-	2	1.80	-	-	
Carrigans	21-9	113	15.0	9.3	12.1	-	20.7	10	0.5	1	-	-	78	-	17	23	22	16	0	0	0	0	0	2	0	2	1	0	-	-	-	
Lislap Forest	99	209	14.2	7.3	10.7	-	20.6	10	-1.1	1	12.0	-	91	67	19	13	22	18	0	0	0	0	0	3	1	4	-	0	-	-	-	
Knockmany Forest	99	73	15.5	7.2	11.3	-	21.3	10	-2.3	1	-	-	73	-	16	13	17	10	0	0	0	0	1	9	1	2	-	-	-	-	-	
Pomeroy Forest	99	165	14.7	8.2	11.5	-	19.4	9,10	1.1	1	12.4	-	58	-	11	23	18	13	0	0	0	0	0	5	0	3	-	0	-	-	-	
Cookstown	99	77	15.1	8.9	12.0	-	20.0	10	1.1	1	12.3	-	58	56	16	22	18	12	0	0	0	0	0	5	0	1	-	-	1.90	-	-	
Fermanagh																																
Roscor	99	143	15.3	8.9	12.1	-	21.2	10	2.2	1	-	-	105	82	18	5	27	18	0	0	0	0	0	1	0	1	-	1	-	-	-	
Lough Navar Forest	99	148	14.6	8.7	11.7	-	19.5	10	0.5	1	-	-	97	-	17	13</																



TABLE IV

—SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Okta)					VISIBILITY (Metres and Kilometres)							WIND SPEED AND DIRECTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-2	3-5	6-7	8	9	0-30 m.	40-100 m.	200-300 m.	400-500 m.	1000-1900 m.	2000-3000 m.	4-9 km.	10-19 km.	20-30 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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83	3	1010.9	-	8.8	0.7	10.4	90	6.9	0	4	1	6	18	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS      OCTOBER, 1969

[illegible]



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)								WIND SPEED AND DIRECTION															
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-19 m.	40-199 m.	200-399 m.	400-599 m.	1000-1999 m.	2000-3999 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																									SPEED IN KNOTS												
																									8 or more	6, 7	4, 5	1, 3	Calm								
																									34 or more	22-33	11-21	1-10	0								
Number of Observations																																					
3. ENGLAND, E. — contd.																																					
Mildenhall [Suffolk]																																					
12	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wattisham [Suffolk]																																					
91	3	1021.0	-	10.9	0.5	12.4	94	4.7	7	4	2	8	7	3	0	4	2	3	3	6	7	6	0	0	0	5	22	4	0	1	4	2	7	4	8	1	
9	9	1021.8	-	12.3	0.8	13.1	90	6.0	2	3	3	12	9	2	0	2	2	0	3	10	6	6	2	0	0	6	24	1	1	1	4	2	7	6	6	3	
15	21	1020.8	-	16.4	3.2	12.8	68	5.2	3	4	5	15	4	0	0	0	0	0	1	5	12	7	8	0	0	17	13	1	0	1	1	8	2	6	10	2	
21	21	1021.7	-	11.8	0.8	12.7	90	4.5	7	3	5	9	7	0	0	0	1	0	4	8	12	6	0	0	0	6	25	0	0	3	2	8	4	6	8	0	
Aldeburgh [Suffolk]																																					
9	3	1021.8	-	-	-	-	-	5.2	6	2	3	9	11	0	0	0	1	2	6	13	9	0	0	0	7	22	2	2	0	1	3	5	6	10	2		
9	9	1021.2	-	-	-	-	-	4.8	5	2	8	8	8	0	0	0	0	2	5	12	12	0	0	0	4	27	0	1	2	1	5	7	3	9	3		
15	21	1021.8	-	-	-	-	-	3.6	14	2	1	5	8	1	0	0	2	0	3	15	11	0	0	0	6	23	2	2	2	2	5	1	6	8	3		
Wytton [Hunts]																																					
43	3	1021.0	-	11.0	0.6	12.2	92	5.2	5	4	3	6	8	5	1	4	1	2	2	5	10	6	0	0	0	1	28	2	2	2	1	4	7	6	7	0	
9	9	1021.6	-	12.3	1.0	12.8	88	6.6	1	2	2	13	8	5	0	4	1	1	2	4	11	7	1	0	0	6	21	4	2	0	1	1	8	8	5	2	
15	21	1020.7	-	16.7	3.1	13.3	69	5.3	2	3	8	11	6	1	0	1	0	0	0	2	14	7	6	1	0	9	21	1	1	2	1	5	4	8	7	2	
21	21	1021.6	-	12.6	1.2	12.7	87	4.6	10	1	2	8	9	1	0	2	0	1	1	8	10	8	1	0	0	4	26	1	2	1	3	5	5	9	5	0	
Cardington [Bedford]																																					
29	3	1021.0	-	10.7	0.4	12.3	94	5.3	6	3	2	6	10	4	1	2	3	0	2	6	15	1	1	0	0	1	28	2	1	3	1	4	3	9	8	0	
9	9	1021.7	+6.3	12.5	1.0	13.0	88	6.5	1	3	1	14	9	3	0	3	0	2	2	4	12	8	0	0	0	5	26	0	1	3	2	2	5	8	9	1	
15	21	1020.8	-	16.6	3.3	12.9	68	5.4	2	6	3	12	7	1	0	0	1	0	2	3	10	6	9	0	0	7	24	0	3	2	1	3	5	5	11	1	
21	21	1021.6	-	11.7	0.8	12.5	90	4.1	11	4	1	4	10	1	0	1	0	1	2	7	12	8	0	0	0	4	26	1	0	4	1	5	4	9	7	0	
Stansted [Essex]																																					
102	3	1021.3	-	10.6	0.4	12.3	94	4.3	8	5	2	7	7	2	0	2	1	3	4	10	6	4	1	0	0	1	21	9	0	0	5	3	5	4	4	1	
9	9	1022.0	-	12.3	0.9	12.9	89	6.4	1	1	5	13	8	3	0	2	1	3	2	9	8	3	3	0	0	5	22	4	1	0	2	7	3	8	4	2	
15	21	1020.9	-	16.4	3.4	12.5	66	4.7	4	7	2	13	5	0	0	0	0	0	0	6	9	7	9	0	0	13	18	0	1	0	4	5	6	3	9	3	
21	21	1021.9	-	12.0	1.0	12.5	88	3.9	10	4	3	7	7	0	0	0	1	0	3	11	7	9	0	0	0	3	24	4	0	0	4	6	4	8	4	1	
Shoeburyness [Essex]																																					
5	9	1021.8	+5.8	13.5	1.1	13.7	87	6.4	1	2	3	13	11	1	0	2	1	1	3	9	10	4	1	0	0	8	22	1	4	0	1	3	8	5	7	2	
9	9	1020.9	-	15.9	2.2	14.1	77	5.6	3	1	5	14	7	1	0	1	0	0	2	7	12	4	4	1	0	11	18	2	1	1	9	2	4	3	6	3	
15	21	1021.7	-	12.9	0.9	13.6	89	3.8	11	4	2	5	8	1	0	1	1	1	3	11	10	0	3	1	0	4	26	1	0	2	3	5	5	6	7	2	
Walton-on-Naze [Essex]																																					
8	3	1021.3	-	12.5	0.7	13.6	92	3.9	11	2	3	7	8	0	2	0	0	1	4	9	11	4	0	0	0	2	22	7	0	1	1	3	4	3	5	7	
9	9	1022.0	-	13.8	1.1	14.1	88	5.7	2	2	8	11	8	0	0	0	0	3	3	8	12	5	0	0	0	5	20	6	1	0	1	3	5	5	7	3	
15	21	1021.3	-	15.8	2.1	14.2	78	4.9	4	4	8	7	8	0	0	0	0	4	11	8	8	0	0	0	0	3	23	5	1	1	3	3	3	4	6	5	
21	21	1021.9	-	13.4	0.9	14.0	89	3.4	11	7	3	0	9	1	1	0	0	0	5	9	10	6	0	0	0	2	24	5	0	2	4	2	4	8	4	2	
4. MIDLAND COUNTIES																																					
Huddersfield Oakes [Yorks. W.R.]																																					
234	3	1019.4	-	10.1	0.6	11.6	93	6.0	4	1	5	2	15	4	2	2	1	2	1	6	7	5	5	0	1	1	9	15	5	0	2	1	2	3	8	8	2
9	9	1020.1	-	11.4	0.8	12.3	90	5.8	3	1	6	11	5	5	0	3	3	0	4	2	8	7	4	0	0	8	19	4	0	0	3	3	1	7	13	0	
15	21	1019.5	-	13.8	1.8	12.8	81	6.1	1	2	5	11	11	1	0	0	2	2	1	3	9	7	7	0	0	14	14	3	0	1	1	3	2	7	13	1	
21	21	1020.2	-	11.1	0.6	12.3	92	5.6	2	5	4	6	12	2	1	2	0	3	1	4	10	4	6	0	0	2	7	16	6	0	1	3	1	2	8	8	2
Watnall [Nottingham]																																					
119	3	1020.1	-	10.5	0.4	12.1	95	5.1	7	1	2	12	6	3	0	2	0	5	4	4	7	9	0	0	0	4	21	6	0	3	1	2	4	9	5	1	
9	9	1020.7	+5.7	11.7	0.6	12.9	93	6.4	2	2	3	9	12	3	0	3	1	4	5	6	8	4	0	0	0	5	23	3	0	2	4	0	3	11	7	1	
15	21	1019.9	-	14.9	2.0	13.5	79	6.1	3	2	3	13	10	0	0	0	0	2	4	4	9	10	2	0	0	8	22	1	0	3	1	0	8	5	12	1	
21	21	1020.6	-	11.8	0.7	12.8	91	4.4	9	4	2	5	10	1	0	3	0	3	1	8	9	7	0	0	0	2	27	2	2	4	1	1	7	7	7	0	
Finningley [Nottingham]																																					
14	3	1019.7	-	10.9	0.7	12.1	92	5.3	5	4	2	8	10	2	2	3	1	1	3	4	9	2	5	1	0	0	6	15	10	1	0	0	9	5	3	3	
9	9	1020.4	+6.0	11.9	0.9	12.6	90	6.4	2	3	1	9	12	4	2	3	1	4	1	2	12	5	1	0	0	9	15	7	0	0	0	1	5	10	5	3	
15	21	1019.6	-	15.7	2.3	13.8	77	5.5	3	3	5	9	10	1	0	0	0	4	0	4	11	9	3	0	0	13	14	4	0	1	0	1	7	7	7	4	
21	21	1020.2	-	12.1	0.8	12.9	90	4.0	9	4	5	5	8	0	0	0	6	2	6	10	7	0	0	0	0	2	21	8	1	0	1	0	7	7	6	1	
Wittering [Northampton]																																					
67	3	1020.5	-	10.6	0.4	12.1	94	5.3	6	3	2	8	7	5	1	4	1	2	4	4	9	5	1	0	0	5	25	1	2	1	3	2	6	5	9	2	
9	9	1021.1	+5.9	12.0	0.8	12.8	90	6.3	1	3	4	9	10	4	0	4	0	3	3	4	5	5	7	2	1	0	11	20	0	2	0	2	5	6	7	2	
15	21	1020.3	-	15.9	2.4	13.8	76	5.3	2	4	6	12	6	1	0	0	1	0	2	5	7	10	5	1	0	1	13	17	0	1	3	0	5	3	4	14	1
21	21	1021.0	-	12.0	0.8	12.7	90	4.8	6	3	7	6	6	3	1	2	0	1	3	8	7	9	0	0	0	7	23	1	2	2	1	3	8	3	11	0	
Edgbaston [Warwick]																																					
165	9	1021.6	+6.2	11.6	0.7	12.5	91	6.5	2	1	1	17	7	3	0	2	1	2	7	0	12	7	0	0	0	2	28	1	1	2	2	2	12	4	6	1	
9	9	1020.9	-	15.3	2.6	12.8	74	5.6	2	2	6	15	5	1	0	0	1	1	2	3	8	14	1	1	0	2	28	1	1	1	3	1	10	3	11	0	
15	21	1021.5	-	12.6	1.0	13.0	88	4.8	6	4	4	11	5	1	0	1	0	4	4	1	14	7	0	0	0	0	28	3	1	1	4	2	9	5	6	0	
Elmdon [Warwick																																					



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS      OCTOBER, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION													
		At Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-39 m.	40-190 m.	200-390 m.	400-590 m.	1000-1900 m.	2000-3900 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																									3 or more	4, 7	4, 8	1-3	Calm								
																									3 or more	22-33	11-21	1-10	0								
Number of Observations																																					
4. MIDLAND COUNTIES - contd.																																					
Little Rissington [Gloucester]																																					
229	3	1021.2	-	10.8	0.6	12.2	93	5.7	5	3	1	5	11	6	2	2	5	3	0	3	7	3	4	2	0	0	5	23	3	0	1	2	4	5	8	6	2
	9	1021.9	+6.0	11.0	0.6	12.3	93	6.8	1	1	2	11	6	10	2	6	1	1	1	4	8	3	2	3	0	1	6	23	1	2	2	1	3	5	9	7	1
	15	1020.9	-	14.6	2.4	12.5	75	5.5	3	4	3	11	9	1	0	1	0	0	2	3	8	7	2	8	0	0	11	20	0	1	0	4	3	7	8	4	
	21	1021.8	-	11.6	0.9	12.3	89	4.8	6	4	4	6	9	2	1	0	1	0	2	14	6	4	2	0	0	0	7	23	1	0	0	4	5	7	8	2	
5. ENGLAND, S.E.																																					
Heathrow [Greater London]																																					
26	3	1021.2	-	11.5	0.7	12.7	92	4.8	7	3	3	11	6	1	0	1	1	2	7	6	6	5	3	0	0	0	2	24	5	1	1	3	3	6	4	8	0
	9	1022.0	-	12.8	1.1	12.9	86	6.6	1	1	4	13	11	1	0	1	0	2	5	6	8	9	0	0	0	0	5	26	0	2	2	1	6	3	11	4	2
	15	1021.0	-	17.3	3.8	12.6	63	4.8	2	6	8	9	6	0	0	0	0	1	4	8	10	6	2	0	0	0	9	21	1	4	0	2	3	5	8	5	3
	21	1021.8	-	13.1	1.3	12.9	85	4.2	9	4	2	12	4	0	0	0	1	1	3	9	10	5	2	0	0	0	0	27	4	1	0	7	1	4	8	6	0
Kew [Greater London]																																					
10	9	1022.3	+6.3	13.2	1.4	13.1	85	6.5	1	1	5	10	10	4	1	1	0	4	4	3	14	2	2	0	0	0	2	21	8	1	1	0	1	6	10	3	1
	15	1021.3	-	17.1	4.0	12.6	64	4.9	3	4	8	10	6	0	0	0	0	1	3	2	6	11	5	3	0	0	6	22	3	1	0	4	1	6	5	7	4
	21	1022.2	-	11.3	1.0	12.1	89	4.0	12	1	2	9	7	0	3	1	0	1	3	8	6	8	1	0	0	0	0	21	10	1	0	4	1	4	7	3	1
Gatwick [Sussex]																																					
59	3	1021.8	-	9.2	0.2	11.6	97	5.5	5	3	2	8	7	6	0	6	4	0	7	4	3	4	3	0	0	0	0	18	13	2	1	4	1	2	4	3	1
	9	1022.6	-	12.0	0.8	12.9	91	6.5	0	2	3	16	6	4	0	2	1	2	5	4	5	11	1	0	0	1	23	7	1	2	6	1	1	7	4	2	
	15	1021.5	-	16.8	3.1	13.5	70	4.6	2	7	9	6	7	0	0	0	0	2	1	12	6	10	0	0	0	6	25	0	4	2	3	3	6	4	7	2	
	21	1022.4	-	10.9	0.5	12.4	93	4.8	7	3	3	9	7	2	0	3	2	3	2	8	7	4	2	0	0	0	1	19	11	0	1	4	3	2	6	4	0
Dungeness [Kent]																																					
7	3	1021.5	-	12.6	0.7	13.8	92	3.5	15	0	4	2	9	1	0	2	0	2	1	2	11	7	6	0	0	1	10	15	5	4	0	2	1	10	0	7	2
	9	1022.3	-	13.9	1.0	14.3	89	5.2	2	4	7	12	5	1	1	0	1	0	0	1	15	7	6	0	0	0	13	15	3	4	1	2	2	9	2	7	1
	15	1021.4	-	16.4	2.2	14.6	77	4.2	4	6	9	5	7	0	0	0	0	0	0	1	12	7	11	0	0	0	13	17	1	5	0	6	0	10	3	6	0
	21	1022.1	-	14.1	1.1	14.4	88	3.2	14	4	2	5	6	0	0	1	0	1	0	1	15	5	8	0	0	0	8	23	0	7	0	6	1	9	1	7	0
Deal [Kent]																																					
10	3	1021.6	-	12.4	0.7	13.3	91	3.6	14	1	1	8	7	0	0	1	0	0	1	8	9	10	2	0	0	0	7	22	2	0	1	1	6	7	11	2	5
	9	1022.4	-	13.9	1.0	14.2	88	5.7	1	3	6	13	8	0	0	1	0	0	4	8	10	6	2	0	0	0	6	19	6	1	1	0	4	3	5	6	0
	15	1021.6	-	15.8	1.6	15.1	83	4.9	4	5	3	13	6	0	0	0	0	0	7	6	8	6	4	0	0	0	9	20	2	2	2	4	3	4	6	4	4
	21	1022.3	-	13.3	0.9	13.9	89	3.0	14	4	3	1	8	1	0	0	1	0	1	9	11	6	3	0	0	0	2	24	5	1	0	2	4	5	4	9	1
Manston [Kent]																																					
15	3	1021.7	-	11.7	0.6	12.8	92	3.9	11	1	5	10	4	0	0	0	0	1	5	7	5	7	5	1	0	0	5	23	3	0	1	1	3	10	2	8	3
	9	1022.5	-	13.8	1.1	14.1	88	6.2	0	3	5	14	8	1	0	1	1	0	2	6	12	5	3	1	0	0	6	22	3	0	1	1	4	6	8	4	4
	15	1021.6	-	16.0	2.5	13.7	74	4.7	3	4	10	8	5	1	0	1	0	0	4	4	7	5	8	2	0	0	9	22	0	3	0	4	7	2	5	6	4
	21	1022.3	-	12.6	0.9	13.2	89	4.4	7	3	6	8	6	1	0	1	0	0	4	8	7	4	6	1	0	0	2	29	0	0	1	4	5	6	7	6	2
Thorney Island [Sussex]																																					
4	3	1021.7	-	11.6	0.5	13.1	94	4.0	8	5	5	4	6	3	0	4	1	4	1	7	6	6	2	0	0	0	3	27	1	3	4	6	2	5	1	2	7
	9	1022.6	+6.4	13.4	1.0	13.9	89	5.7	2	4	2	16	7	0	0	1	0	2	3	4	11	3	4	3	0	0	6	25	0	4	2	9	1	2	3	5	5
	15	1021.6	-	16.4	2.7	13.8	73	4.6	3	7	5	12	4	0	0	0	0	0	1	2	12	7	4	5	0	0	11	20	0	1	1	5	4	6	5	7	2
	21	1022.4	-	12.6	0.8	13.4	91	3.7	11	3	3	8	6	0	0	0	1	4	2	6	9	5	4	0	0	0	1	29	1	6	4	6	2	1	3	5	3
East Hoathly [Sussex]																																					
41	9	1022.5	-	13.0	0.9	13.7	90	5.9	1	3	5	15	7	0	0	0	0	2	4	3	6	9	4	0	0	0	0	30	1	1	1	6	4	4	3	8	3
	15	1021.5	-	16.7	3.0	13.6	71	4.5	2	9	5	10	5	0	0	0	0	0	2	14	8	7	0	0	0	0	3	27	1	2	1	3	7	7	2	6	2
	21	1022.4	-	10.8	0.4	12.6	94	3.7	13	1	3	9	5	0	0	1	3	2	4	6	7	3	5	0	0	0	0	26	5	0	1	11	6	1	0	6	1
Eastbourne C.G. [Sussex]																																					
7	9	1021.9	+5.6	13.1	1.0	13.6	88	5.8	1	1	10	9	10	0	0	1	0	1	3	3	13	10	0	0	0	0	10	14	7	5	0	2	4	4	2	5	2
	15	1020.6	-	16.3	2.2	14.5	77	4.6	4	1	11	4	6	0	0	0	0	0	1	5	11	8	0	1	0	2	12	10	2	2	0	6	3	7	0	5	1
	21	1022.0	-	12.7	0.9	13.3	89	4.3	9	0	9	3	10	0	0	0	0	1	3	6	13	8	0	0	0	0	3	16	12	4	0	0	3	3	2	6	1
Abingdon [Berkshire]																																					
71	3	1020.9	-	10.3	0.4	12.2	95	5.6	6	1	3	7	11	3	1	2	0	1	7	5	6	9	0	0	0	0	0	26	5	1	1	6	3	5	2	4	4
	9	1021.7	-	12.0	0.9	12.8	90	7.2	0	0	2	14	14	1	0	3	0	3	4	4	6	8	2	1	0	0	2	28	1	1	1	2	6	6	8	5	1
	15	1020.6	-	16.3	3.0	13.0	70	5.2	1	7	5	11	7	0	0	0	0	1	1	3	10	7	6	3	0	0	8	23	0	0	4	2	4	7	3	8	3
	21	1021.5	-	12.1	0.9	12.7	88	4.7	6	4	3	10	7	1	0	1	0	1	0	8	11	7	3	0	0	0	0	28	3	1	3	2	5	6	5	5	1
Hurn [Hampshire]																																					
14	3	1021.2	-	10.1	0.5	12.0	94	4.9	7	2	3	9	4	6	0	5	3	2	1	6	8	4	2	0	0	0	1	16	14	0	1	4	0	6	2	1	3
	9	1022.0	-	12.8	1.1	13.1	88	6.0	2	1	5	13	8	2	0	0	2	3	8	6	6	4	0	0	0	4	22	5	5	1	6	2	3	1	6	2	
	15	1021.1	-	16.5	2.8	13.6	72	4.7	3	5	9	5	0	0	0	0	0	0	5	7	12	5	2	0	0	9	21	1	2	0	2	5	7	5	4	5	
	21	1021.7	-	11.7	0.8	12.8	91	4.3	10	1	4	9	5	2	0	2	2	1	1	9	10	6	0	0	0	0	1	21	9	3	3	1	3	3	6	1	2
S. Farnborough [Hampshire]																																					
70	3	1021.7	-	10.5	0.5	12.2	94	4.7	7	3	5	4	8	4	0	3	4	2	1	5	8	5	2	1	0	0	1	22	8	0	0	2	5	4	3	6	3
	9	1022.																																			



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION														
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-10 m.	10-100 m.	200-300 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
																									SPEED IN KNOTS													
																									8 or more	6-7	4-5	1-3	Calm									
																									22-33	11-21	1-10	0										
Number of Observations																																						
7a. NORTH WALES																																						
Speke [Lancashire]																																						
26	3	1019.3	-	11.9	0.8	12.7	91	5.9	3	3	3	12	9	1	2	0	0	2	2	3	7	11	4	0	0	0	10	20	1	0	1	4	6	9	4	3	3	
	9	1019.9	-	12.4	0.9	13.0	90	6.7	0	2	2	19	6	2	2	0	0	0	4	1	4	6	8	6	0	0	0	13	18	0	1	0	3	10	6	2	8	1
	15	1019.3	-	15.5	2.0	14.0	79	5.5	3	4	3	16	5	0	0	0	0	0	2	5	8	6	8	2	0	0	1	15	15	0	0	0	11	4	2	9	4	
	21	1019.8	-	12.9	0.9	13.4	89	5.2	4	4	3	14	6	0	0	0	0	2	3	4	7	10	5	0	0	0	8	20	3	0	0	2	7	7	4	6	2	
Ringway [Cheshire]																																						
76	3	1019.8	-	11.9	0.8	12.6	89	5.5	6	2	1	11	11	0	0	0	0	2	0	5	16	7	1	0	0	0	7	21	3	0	2	2	4	12	3	4	4	
	9	1020.4	+6.0	12.6	1.0	12.9	88	5.7	3	3	4	12	9	0	0	0	0	1	1	10	15	4	0	0	0	0	9	19	3	0	2	1	1	13	6	4	4	
	15	1019.7	-	15.4	2.1	13.7	78	5.2	4	5	2	13	7	0	0	0	0	0	0	10	11	7	3	0	0	0	13	18	0	0	1	2	0	15	3	10		
	21	1020.3	-	12.8	0.9	13.3	89	5.3	3	4	7	4	11	2	1	0	1	1	13	8	6	0	0	0	0	0	7	20	4	0	2	1	4	11	7	2	0	
7b. NORTH WALES																																						
Valley [Anglesey]																																						
11	3	1018.8	-	12.7	1.0	13.1	88	5.4	7	1	2	8	13	0	0	0	0	1	1	4	8	10	5	2	0	8	14	5	4	1	0	3	2	10	4	5	2	
	9	1019.5	+5.5	13.4	1.2	13.4	86	5.4	3	4	5	9	9	1	0	1	0	1	2	2	5	9	7	4	0	8	14	5	4	1	0	4	1	8	7	5	1	
	15	1019.0	-	15.6	2.1	14.0	78	5.7	1	4	5	15	6	0	0	0	0	0	1	0	7	10	7	6	1	6	15	8	1	0	0	1	0	12	9	7	1	
	21	1019.2	-	13.5	1.1	13.6	87	5.7	3	4	2	11	10	1	0	0	0	1	1	1	11	8	7	2	0	7	14	7	3	0	1	5	0	11	5	5	1	
Bardsey Island [Caernarvon]																																						
19	3	1019.1	-	13.3	0.8	14.0	91	5.4	5	0	9	5	10	2	0	1	0	1	0	0	7	14	7	1	0	5	15	9	2	2	0	4	3	9	4	4	3	
	9	1019.8	-	13.6	0.9	14.1	89	5.7	3	3	6	7	11	1	0	0	0	2	1	0	9	6	11	2	0	6	14	9	2	3	0	3	5	7	4	6	1	
	15	1019.3	-	14.8	1.2	14.7	86	5.6	2	1	7	16	4	1	0	0	0	1	0	0	9	5	14	2	0	3	14	12	2	3	0	1	3	10	6	4	2	
	21	1019.5	-	13.8	0.8	14.3	90	5.3	4	2	7	6	10	2	0	1	1	0	0	0	6	13	9	1	0	2	19	8	2	1	0	3	5	8	5	5	2	
8a. SOUTH WALES																																						
Aberporth [Cardigan]																																						
134	3	1019.5	-	12.2	1.0	12.6	88	4.5	6	5	4	7	8	1	0	0	0	2	0	3	12	9	5	0	0	2	17	10	2	2	0	0	4	12	5	3	3	
	9	1020.2	+5.5	12.8	1.2	12.8	86	5.8	3	4	0	16	8	0	0	0	0	0	0	3	12	8	3	5	0	2	16	10	3	1	0	2	5	9	3	5	3	
	15	1019.5	-	15.2	2.4	13.1	75	5.5	2	4	3	17	5	0	0	0	0	0	0	0	11	10	8	2	0	2	17	11	1	1	1	2	1	11	6	4	4	
	21	1019.9	-	12.8	1.2	12.9	87	5.1	2	4	9	8	8	0	0	0	1	0	0	0	11	15	3	1	0	2	16	12	1	1	0	1	4	13	5	5	1	
Milford Haven C.B. [Pembroke]																																						
39	3	1020.0	-	13.3	0.9	13.8	89	5.3	4	2	8	5	11	1	0	1	0	0	0	2	15	9	4	0	0	1	13	15	2	1	2	5	4	5	3	5	4	
	9	1020.6	-	13.7	1.0	14.0	88	5.7	2	3	6	8	12	0	0	0	0	0	1	4	14	11	1	0	0	1	16	10	4	2	0	4	5	6	3	5	2	
	15	1020.1	-	15.5	1.7	14.7	83	5.5	3	3	5	11	9	0	0	0	0	1	2	17	10	1	0	0	0	2	15	14	0	1	0	5	5	7	9	1	3	
	21	1020.3	-	14.0	1.0	14.3	89	5.5	5	2	2	10	11	1	0	0	0	1	1	1	16	8	4	0	0	1	13	13	4	1	1	5	3	7	4	4	2	
Mumbles [Glamorgan]																																						
37	3	1020.0	-	13.7	1.1	13.9	88	5.0	8	1	3	7	12	0	0	0	0	0	0	1	11	5	12	2	0	1	9	20	1	0	2	7	1	7	5	4	4	
	9	1020.9	-	13.7	1.2	13.8	87	6.0	1	2	8	10	10	0	0	0	0	0	8	8	5	9	1	0	2	13	15	1	1	0	8	0	7	2	7	5		
	15	1020.1	-	15.4	1.9	14.2	80	5.5	1	3	9	12	6	0	0	0	0	0	1	2	12	6	7	3	0	1	16	11	3	1	0	9	1	1	8	6	2	
	21	1020.5	-	14.0	1.1	14.1	87	5.5	6	0	5	9	11	0	0	0	0	1	1	5	12	9	3	0	0	0	15	15	1	2	0	9	1	6	3	8	1	
Rhoose [Glamorgan]																																						
69	3	1020.5	-	12.3	0.7	13.2	92	5.3	7	1	1	12	8	2	0	1	0	3	2	6	4	10	5	0	0	0	6	21	4	0	1	6	4	3	2	4	7	
	9	1021.3	+5.4	12.9	0.9	13.4	89	6.8	0	2	2	16	8	3	0	0	2	1	4	2	7	9	6	0	0	1	10	19	1	1	1	8	5	2	3	5	5	
	15	1020.5	-	15.4	2.1	13.8	78	5.8	0	5	4	16	6	0	0	0	0	2	3	6	12	6	2	0	0	0	11	20	0	0	2	6	6	2	4	9	2	
	21	1021.1	-	12.8	0.8	13.5	90	5.0	6	5	2	7	11	0	0	0	0	1	2	5	8	9	5	1	0	0	8	20	3	2	1	7	2	6	2	5	3	
8b. ENGLAND, S.W.																																						
Yeovilton [Somerset]																																						
23	3	1021.3	-	10.5	0.5	12.2	94	5.3	4	2	5	8	6	6	0	0	6	1	2	3	8	8	3	0	0	0	2	12	17	0	0	2	2	2	5	2	1	
	9	1021.9	-	12.7	0.9	13.3	89	6.4	0	2	6	13	7	3	0	3	0	2	4	4	9	9	0	0	0	0	6	15	10	2	0	1	4	4	5	5	0	
	15	1021.2	-	16.3	2.8	13.5	72	5.3	2	3	10	8	7	1	0	0	1	0	0	4	14	10	2	0	0	0	10	19	2	4	0	2	2	8	4	3	6	
	21	1021.7	-	11.8	0.8	12.7	90	4.3	8	5	3	4	9	2	0	1	0	2	3	8	12	5	0	0	0	0	0	17	14	0	1	2	5	4	3	1	1	
Portland Bill [Dorset]																																						
54	3	1020.9	-	13.8	0.8	14.5	91	3.7	9	2	11	3	5	1	0	0	0	2	3	1	12	7	6	0	0	1	16	10	4	3	1	6	3	2	4	2	6	
	9	1021.7	-	14.4	1.2	14.4	87	5.7	2	1	9	8	9	2	0	1	0	0	2	3	4	7	3	0	1	18	11	1	3	0	6	3	5	2	4	7		
	15	1021.0	-	15.4	1.8	14.3	80	4.9	2	5	9	7	7	1	0	0	1	0	0	3	13	4	7	3	0	0	18	11	2	3	0	4	7	2	1	8	4	
	21	1021.5	-	14.1	0.9	14.7	90	3.8	9	5	5	4	8	0	0	0	0	1	3	0	16	3	8	0	0	1	12	15	3	3	2	6	2	5	2	5	3	
Hartland Point [Devon]																																						
93	3	1019.3	-	13.1	0.8	13.6	89	4.9	6	4	2	11	7	1	0	0	1	0	1	1	11	9	7	1	0	1	16	12	2	3	1	3	4	7	2	8	1	
	9	1020.3	-	13.6	1.2	13.5	86	5.4	2	4	7	12	4	2	0	2	0	0	2	10	7	7	3	0	3	12	15	1	1	4	2	4	5	3	9	2		
	15	1019.6	-	15.2	1.9	13.9	80	5.5	1	3	9	10	8	0	0	0	0	1	0	1	13	10	5	1	0	1	18	10	2	1	1	5	1	4	5	9	3	
	21	1020.0	-	13.4	1.1	13.6	88	4.8	5	4	6	7	9	0	0	0	0	2	1	13	8	6	1	0	4	13	11	3	0	2	2	6	3	6	7	2		
Mount Batten [Devon]																																						
30	3	1021.0	-	12.1	0.5	13.5	94	4.4	10	2	2	9	8	0	0	0	0	0	1	1	17	11	1	0	0	0	10	16	5	1	2	9	4	4	3	3	0	
	9	1021.9	+5.9	13.4	0.8	14.1	91	5.4	2	5	3	17	3	1	0	0	1	0	2	18	5	2	1	0	0													



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS OCTOBER, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Okta)						VISIBILITY (Metres and Kilometres)								WIND SPEED AND DIRECTION															
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																									8 or more	6-7	4-5	1-3	Calm								
																									SPEED IN KNOTS												
																									34 or more	22-33	11-21	1-10	0								
Number of Observations																																					
9 NORTHERN IRELAND — contd.																																					
Aldergrove [Antrim]																																					
73	3	1017.0	-	11.5	1.0	12.1	88	5.7	4	2	3	9	12	1	0	0	1	2	3	2	4	14	5	0	0	1	12	18	0	0	1	2	1	11	8	7	1
	9	1017.5	+4.4	12.2	0.9	12.8	89	6.2	1	3	3	14	9	1	0	0	1	1	0	6	5	11	7	0	0	0	13	18	0	1	0	1	4	8	9	7	1
	15	1016.7	-	14.8	1.9	13.4	79	6.6	0	1	4	20	6	0	0	0	0	0	2	3	4	10	10	2	0	0	18	13	0	0	0	0	4	9	7	9	2
	21	1017.2	-	12.6	1.2	12.6	86	5.8	4	3	1	13	10	0	0	0	0	0	2	6	1	10	12	0	0	0	14	17	0	1	0	2	2	10	9	7	0
CHANNEL ISLANDS																																					
Guernsey																																					
110	3	1021.6	-	13.3	1.0	13.7	89	3.8	10	4	4	7	6	0	0	1	1	0	1	3	10	4	7	4	0	0	8	18	5	2	1	3	8	3	2	5	2
	9	1022.4	-	14.2	1.3	14.0	86	5.1	4	3	5	16	3	0	0	1	0	0	0	3	12	4	5	6	0	0	10	19	2	4	1	4	10	3	1	6	0
	15	1021.6	-	15.6	2.1	13.9	78	4.5	1	8	9	10	3	0	0	0	0	2	0	3	8	6	4	8	0	0	14	16	1	5	2	4	8	3	1	4	3
	21	1022.2	-	13.8	1.2	13.7	86	2.7	8	10	8	2	3	0	0	0	1	0	2	2	10	5	7	4	0	0	7	21	3	1	4	4	5	6	2	3	3

TABLE VIII—NUMBER OF DAYS IN OCTOBER, 1969  
WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °C.								MINIMUM TEMPERATURE °C.								STATION	MAXIMUM TEMPERATURE °C.								MINIMUM TEMPERATURE °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 .. ..	0	0	6	25	0	0	0	0	0	0	0	1	3	24	3	0	Edgbaston .. ..	0	0	0	12	17	2	0	0	0	0	0	0	0	0	0	12	19	0
Stornoway .. ..	0	0	2	25	4	0	0	0	0	0	0	0	7	15	9	0	Kew .. ..	0	0	0	6	17	8	0	0	0	0	0	0	0	0	7	12	12	0
Craibstone .. ..	0	0	2	17	12	0	0	0	0	0	0	0	5	20	6	0	Hastings .. ..	0	0	0	6	25	0	0	0	0	0	0	0	0	1	6	24	0	
Rothsay .. ..	0	0	1	21	9	0	0	0	0	0	0	0	1	12	18	0	Southampton .. ..	0	0	0	3	20	8	0	0	0	0	0	0	0	3	10	17	1	
Abbots'inch .. ..	0	0	0	16	15	0	0	0	0	0	0	0	2	16	12	0	Stonyhurst .. ..	0	0	0	16	13	2	0	0	0	0	0	0	0	2	14	15	0	
Eskdalemuir .. ..	0	0	2	22	6	1	0	0	0	0	0	0	6	19	6	0	Bidston .. ..	0	0	0	13	17	1	0	0	0	0	0	0	0	0	11	20	0	
Douglas .. ..	0	0	0	22	9	0	0	0	0	0	0	0	0	11	20	0	Valley .. ..	0	0	0	9	18	4	0	0	0	0	0	0	0	0	10	21	0	
Acklington .. ..	0	0	1	14	14	2	0	0	0	0	0	0	5	19	7	0	Falmouth .. ..	0	0	0	6	25	0	0	0	0	0	0	0	0	2	4	25	0	
Gorleston .. ..	0	0	0	10	20	1	0	0	0	0	0	0	1	7	23	0	Aldergrove .. ..	0	0	0	11	19	1	0	0	0	0	0	0	0	2	14	15	0	
Cambridge .. ..																	Armagh .. ..	0	0	0	10	19	2	0	0	0	0	0	0	4	14	13	0		

TABLE XIII—SOLAR RADIATION AND ILLUMINATION, OCTOBER, 1969

STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						DIFFUSE RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						TOTAL ILLUMINATION ON A HORIZONTAL SURFACE kilolux-hours					
	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days
Lerwick .. ..	236	1	12	22	91.4	31	123	3	12	22	67.5	31	225	1	18	22	98.9	31
Eskdalemuir .. ..	301	6	23	15	121.5	31	157	1	23	15	75.2	31	335	10	32	15	150.4	31
Cambridge .. ..	309	1	43	22	172.2	31	192	1	41	22	107.9	31	-	-	-	-	-	-
London W/Centre .. ..	332	5	25	22	171.0	31	154	1	24	22	95.2	31	403	1	38	22	213.0	31
Kew .. ..	331	1	37	22	173.4	31	165	1	37	22	100.1	31	408	1	50	22	219.4	31
Bracknell .. ..	347	1	45	22	174.2	31	166	1	46	22	101.5	31	452	1	61	22	234.5	31
Aberporth .. ..	339	10	42	31	185.2	31	146	12	41	31	97.7	31	-	-	-	-	-	-
Aldergrove .. ..	269	6	30	30	127.3	30	151	1	29	30	88.0	30	-	-	-	-	-	-
Jersey Airport .. ..	399	4	43	25	247.7	31	191	11	40	25	108.5	31	463	4	56	25	288.6	31



TABLE II—CORRECTIONS

YEAR	MONTH	DISTRICT	AIR TEMPERATURES			Earth Temp °C	
			MAX.	MIN.	MEAN	Mean 30cm	Mean 122cm
			Difference from Average				
1963	April	8	-0.9				
	August	5		-0.9			
1964	April	8	-0.9		-0.4		
	August	5			-0.1		
		ENG & WALES		-0.6	-0.4		
1965	April	8	-0.3		-0.4		
	August	5		-0.8	-0.9		
1966	April	8	-1.7		-0.7		
	August	5		-1.1			
		ENG & WALES		-1.0			
1967	April	8	-0.4		-0.9		
	January	7				0.0	
	May					-0.7	
	June					-0.2	
	July					+0.2	
	September					+0.1	
	October					+0.4	
	November					-0.1	
	Annual					+0.1	
	August	5		-0.2	-0.3		

YEAR	MONTH	DISTRICT	AIR TEMPERATURES			Earth Temp °C	
			MAX.	MIN.	MEAN	Mean 30cm	Mean 122cm
			Difference from Average				
1968	January	7					0.0
	February						+0.1
	May						-0.4
	June						0.0
	September						0.0
	October						+0.8
	November						+0.7
	April	8	-1.0		-1.1		
	August	5		+0.4	-0.5		
		ENG & WALES			-0.5		
1969	January	5					0.0
	June	6				+0.4	
	January	7					+0.3
	May						-0.6
	June						-0.4
	April	8	-0.3				
		ENG & WALES	-0.7				

TABLE II—ADDITIONS AND CORRECTIONS

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES					
			Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST					
						Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours				Veer from N	Speed in knots	Hour ended at day hour		Veer from N	Speed in knots	Day and Time			
1	Aberdeen	Fraserburgh	29	13	11	24, 28, 29	15	9	65	319	294	51	0	12.4	-	39	29 04	-	54	29 0340		
6a	Ayr	Ardrossan	24	20		24, 28, 29	10	15	127	330	237	40	0	14.1	270	39	24 10	270	53	24 0940		
2	Lincoln	Waddington	80	10	10	-	0	0	0	178	486	80	0	7.9	260	18	24 12	290	31	24 0540		
4	Gloucester	Fairford	78	10	33	-	0	0	0	106	442	196	0	6.3	280	16	24 11	290	25	24 1035		
7a	Westmorland	Moor House	597	15	14	7, 24, 25	5	20	205	314	124	74	22	15.9	260	35	24 10	250	52	24 0935		

TABLE III—ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	Max. Terminal hr. GMT Min. of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPERATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE					
					MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1931-60 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure	
					Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date																
1968	Annual	Rhyl			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1969	January	Ramsgate			(10.0)	(5.9)	(7.9)	(+1.5)	13.3	20, 21	0.6	1	6.9	-	175	166	20	13	24	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Ilfracombe																																
		Torbay (Torquay)																																
	February	Whitby			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Whitby			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Ramsgate			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Ilfracombe			5.7	1.9	3.8	-2.2	10.0	22, 23	-3.3	17	5.2	-	61	86	9	23	17	13	5	1	0	0	0	0	0	8	10	-	2	1.92	75	
	March	Whitby			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		High Mowthorpe			-	-	-	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Ilfracombe			7.8	2.9	5.3	-2.3	11.7	8	-1.1	7	6.2	-	67	108	25	12	12	8	0	0	0	0	0	0	1	4	8	-	0	2.85	66	
	April	Caistor			-	-	-	-	-	-	-	-	-	-	-	-	18	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Whitby			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Ilfracombe			11.7	6.2	8.9	-0.4	16.1	8	1.1	2	10.0	-	56	96	21	25	14	11	0	0	1	0	0	0	0	0	-	1	7.45	125		
	May	Whitby			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Whitby			-	-	-	-	-	-	-	-	-	-	-	-	8	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Leconfield			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	June	Whitby			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Blaenau Ffestiniog			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Ilfracombe			14.6	8.8	11.7	-0.2	20.0	12	3.9	2	13.6	-	122	211	11	26	20	19	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		Whitby			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Wrexham			(18.9)	(8.4)	(13.7)	-	24.4	14	3.3	6	(13.8)	(11.8)	72	157	22	4	12	10	-	0	-	-	-	-	-	-	-	-	-	-	-	
		Cenarth Mill			17.0	6.3	11.7	-	22.4	14	-0.7	5.6	-	-	55	-	18	17	13	11	-	0	-	-	-	-	-	-	-	-	-	-	-	
		West Camel			20.1	7.9	14.0	-	26.7	13	1.7	2.5	-	-	36	-	12	17	13	9	0	0	1	0	1	0	0	2	-	0	-	-	-	
		Swanage			18.2	10.8	14.5	-	22.8	30	5.6	5	-	13.9	12	32	6	17	7	4	0	-	0	0	0	0	0	0	0	0	10.15	126		
		Ilfracombe			17.8	11.7	14.7	0.0	24.4	14	7.2	6	16.9	-	51	105	15	17	10	9	0	0	0	0	0	0	0	0	-	0	9.23	120		
		Aberdeen																																

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# Monthly Weather Report

## OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntary observers.



Volume 86 Number 11

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### November 1969 — Sunny but cold; some heavy rain and notable snowfalls

Numerous depressions and troughs of low pressure over or near the British Isles during the month were accompanied by winds which were frequently between west and north.

**Weather** — The weather on the whole was rather stormy and this resulted in an exceptionally fog-free November. At times, strong winds interrupted drilling operations in the North Sea and disrupted air and sea traffic. Some heavy rain occurred in most districts and, on the 21st, Omagh (Co. Tyrone) was cut off by flood-water for 24 hours following torrential rain in the locality. Wintry showers were frequent in the north, while snow settled on high ground in Devon as early as the 15th and sleet occurred in Jersey on the 17th.

**Wind** — Gales occurred about twice as frequently as usual on exposed coasts, especially in the south. They occurred on 26 days in England, 15 days in Wales and in Scotland and on 2 days in Northern Ireland. Slight damage to property occurred in Scotland on the 1st/2nd and a gust of 64 kt was recorded at Dounreay (Caithness) on the 1st. Gales were widespread in England and Wales on the 9th; a gust of 83 kt was reported at Brixham (Devon) and one of 74 kt was recorded at Lizard. Gales in Northern Ireland on the 22nd caused some damage.

**Temperature** — Monthly mean temperature was everywhere below average. Near the south-east coast of England the mean temperature was only just below average but in parts of Scotland it was more than 3 degC below the normal. At Kinlochewe (Ross and Cromarty) mean temperature was 3.8 degC below average, and at Lerwick (Shetland) it was the coldest November since records began in 1926.

At the start of the month a number of places in England had their warmest November day on record, for example at Boscombe Down (Wiltshire) where the temperature of 17.6°C on the 2nd was the highest since records began in 1931. Extreme maxima recorded during the month included: 20.6°C at Totnes (Devon) on the 3rd, 17.8°C at Prestatyn (Flintshire) and Dunbar (East Lothian) and 16.1°C at various places in Northern Ireland on the 2nd.

However, it became colder in most districts after the 3rd and, apart from a mild interlude in the southern half of the country from the 18th to 23rd, temperatures remained below average for the rest of the month. Frost occurred frequently in the north and was widespread in the south during the last week. Among the minima recorded were: -12.2°C at Grantown-on-Spey (Moray) on the 16th and 18th; -10.0°C at Lacock (Wiltshire) on the 30th, -8.0°C at Moel Cynnedd (Montgomeryshire) on the 30th; -5.6°C at Rosetta (Co. Down) on the 14th.

**Rainfall** — Most areas had more rainfall (including melted snow) than normal. Over two and a half times the average occurred in Flintshire and more than twice the average fell in parts of northern England, on the south-east coast and in the Scilly Isles. It was the wettest November at Bidston (Cheshire) since records began in 1867. On the other hand, less than half the normal amount of rain fell in parts of Angus.

Rain was heavy in north and west Scotland on the 1st and 2nd and spread to Wales and north-west England the next day. A fall of 61 mm within 24 hours was recorded at Glen Etive (Argyll) on the 2nd. Persistent rain spread to south-west England on the 6th; 79 mm fell in 24 hours at Lizard and Mount Batten (Devon) had its heaviest 24-hour November rainfall since records began in 1921. The outstanding heavy rainfall of the month occurred in Northern Ireland during the 21st/22nd. Rainfall was heaviest in the east of the region where, during the 24 hours ending 0900 GMT on the 22nd, nearly 138 mm of rain were recorded at Ballybraddin Forest (Co. Antrim). Other places in the same area recorded 'daily' falls in excess of 100 mm. Statistics

show that falls of this magnitude can be expected to occur on only one day in about 40 years at a particular place. Flooding occurred in many places and Armagh Observatory experienced its heaviest rainfall in 24 hours since records commenced there in 1841.

Thunder occurred rather more often than usual for November. It occurred on 17 days in England, 14 days in Scotland, 7 days in Wales and 1 day in Northern Ireland. Thunderstorms with hail occurred widely in south-west England on the 14th when electric power installations were damaged.

**Snow** — Snow or sleet occurred much more frequently than usual. Snow fell on 15 days or more in parts of Scotland and northern England and was reported in Cornwall during the last few days of the month. There were at least 10 cm of snow lying in the Borders during the 11th/12th. During the 15th to 17th general snowfall occurred in North Wales and the northern half of England and, following heavy snow showers, at least 25 cm of snow were lying in the mountains of northern Scotland by the end of the period. In Derbyshire snow caused some damage and at Ashover, height 186 m, 20 cm of snow accumulated in 4 hours on the 16th. On the same day, over 40 cm of level snow were lying at Moorhouse, 556 m, (Westmorland). On the 25th, about 5 cm of snow covered the ground in eastern England. From the 27th to 29th snowfalls amounting to about 10 cm blocked roads on high ground in the north and snow lay up to 2 cm deep in some places in the south.

**Sunshine** — In most areas it was sunnier than normal and some places recorded over one and a half times the average sunshine. Ringway (Cheshire) and Huddersfield (Yorkshire) recorded 185 and 183 per cent of average sunshine respectively. It was the sunniest November at Ross-on-Wye (Herefordshire) since 1925 and at Boscombe Down since records began in 1932. By contrast the month was dull in a few areas in Scotland, mainly in the west.

**Miscellaneous Phenomena** — The aurora was observed on 13 nights in Scotland.

TABLE I—DISTRICT VALUES, November 1969

DISTRICTS	AIR TEMPERATURE °C					EARTH TEMP. °C		RAIN DAYS	RAIN-FALL	SUN-SHINE
	*Highest Max.	*Lowest Min.	Max.	Min.	Mean	Mean 30 cm.	Mean 122 cm			
	Difference from Average							% of Average		
0 SCOTLAND, N.	13.3	(-5.6)	-2.9	-3.7	-3.3	-1.2	+0.5	+3	112	100
1 SCOTLAND, E.	16.1	-5.6	-2.3	-2.5	-2.4	-0.8	+0.3	-1	118	128
2 ENGLAND, N.E.	17.2	-5.6	-1.7	-2.3	-2.0	+0.2	+1.3	+4	188	139
3 ENGLAND, E.	18.0	-5.6	-0.9	-1.1	-1.0	+0.3	+0.9	+2	129	116
4 MIDLANDS	17.2	-4.9	-1.2	-1.5	-1.3	+0.1	+1.0	0	116	154
5 ENGLAND, S.E.	17.4	-6.1	-0.7	-0.8	-0.9	+0.4	+0.7	+3	148	129
6 SCOTLAND, W.	15.6	-8.6	-2.4	-2.7	-2.5	-0.2	+0.8	+3	115	111
7 ENGLAND, N.W and N.Wales	16.0	-6.7	-1.6	-2.0	-1.8	+0.4	+0.9	+5	198	148
8 ENGLAND, S.W. and S.Wales	17.2	-5.6	-0.7	-1.4	-1.1	+0.8	+0.9	+2	135	133
N.IRELAND	15.9	-14.4	-2.1	-2.5	-2.3	-	-	(+1)	127	100
SCOTLAND	16.1	-8.6	-2.5	-3.0	-2.7	-	-	(+2)	119	113
ENG. and WALES	18.0	-6.7	-1.1	-1.5	-1.3	-	-	(+3)	149	137

\*Highest Max. and Lowest Min. of the District Value Stations.

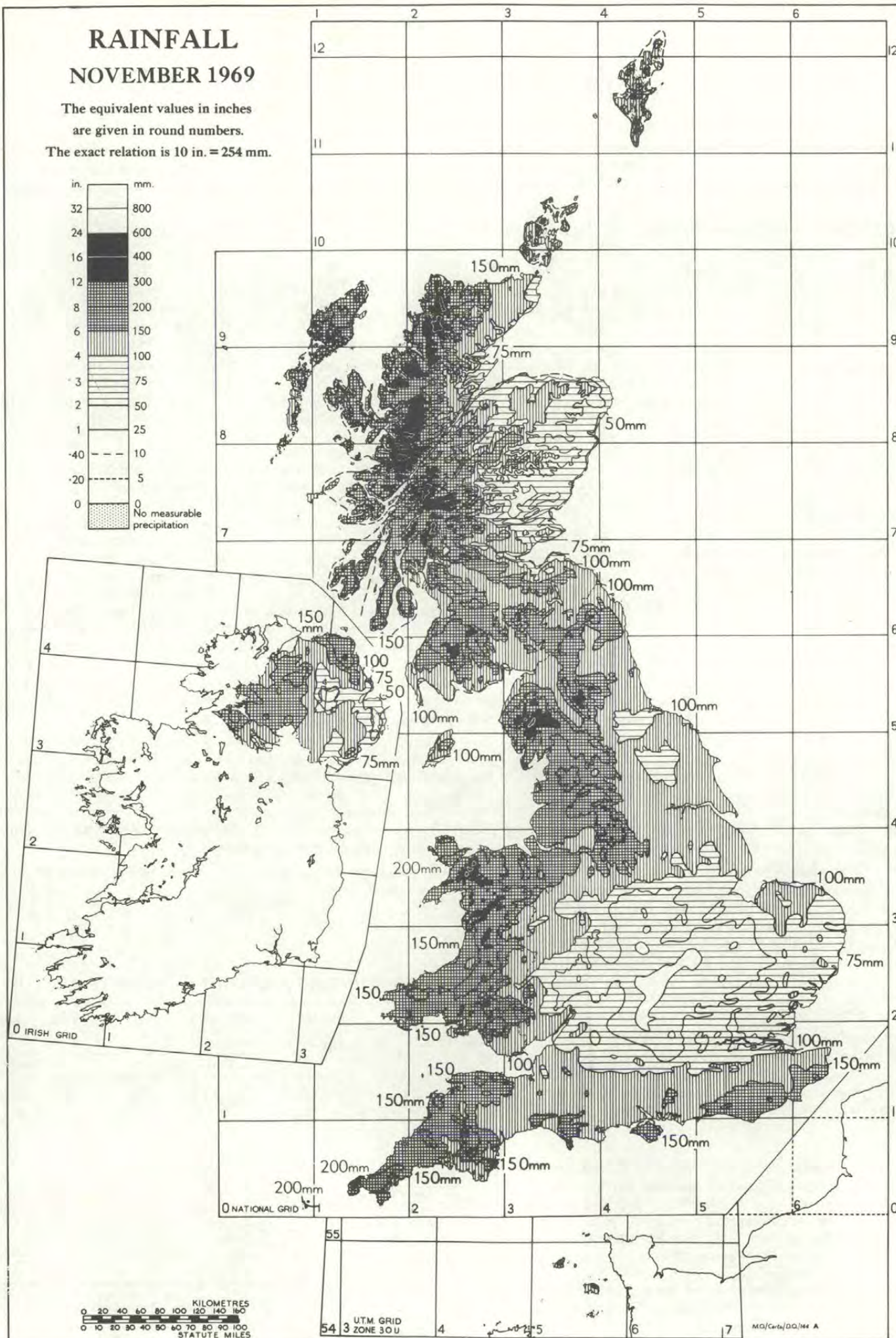
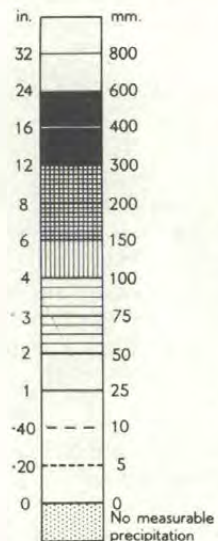


# RAINFALL

NOVEMBER 1969

The equivalent values in inches  
are given in round numbers.

The exact relation is 10 in. = 254 mm.





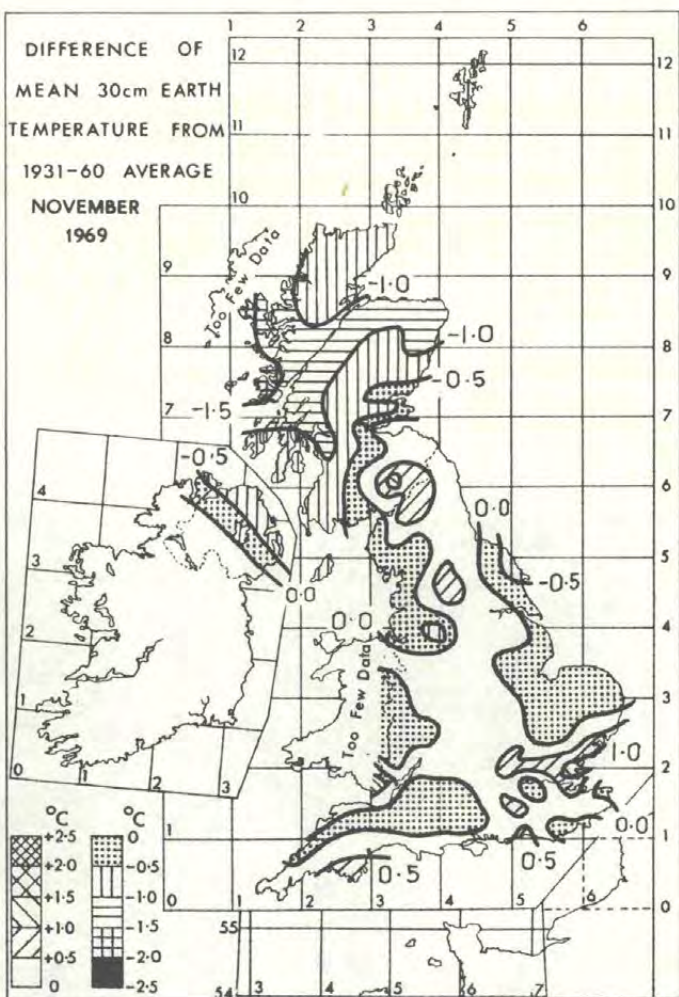
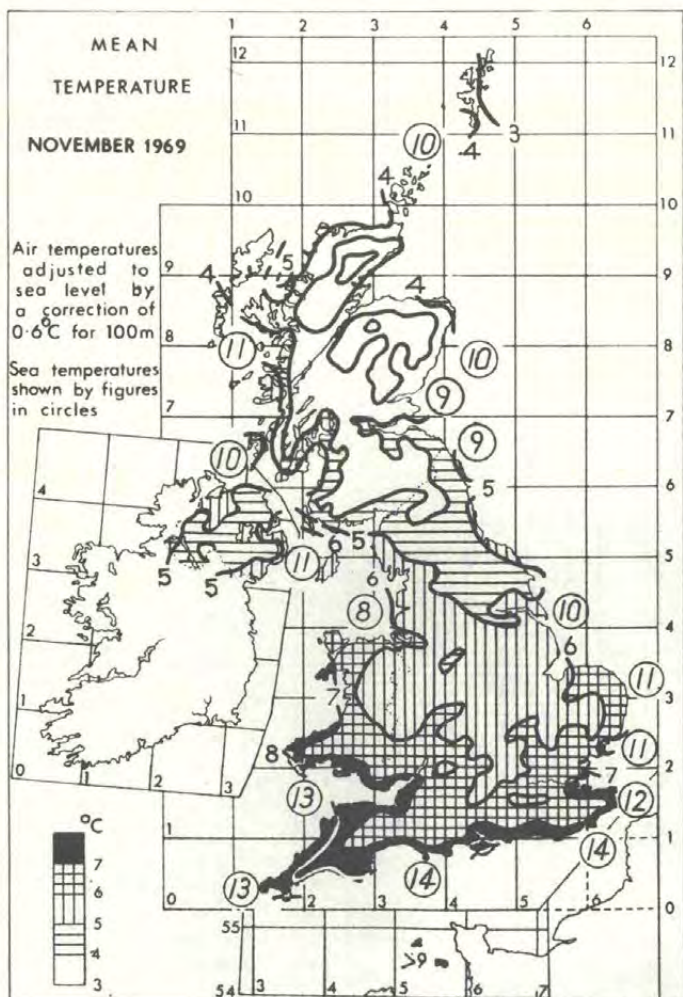
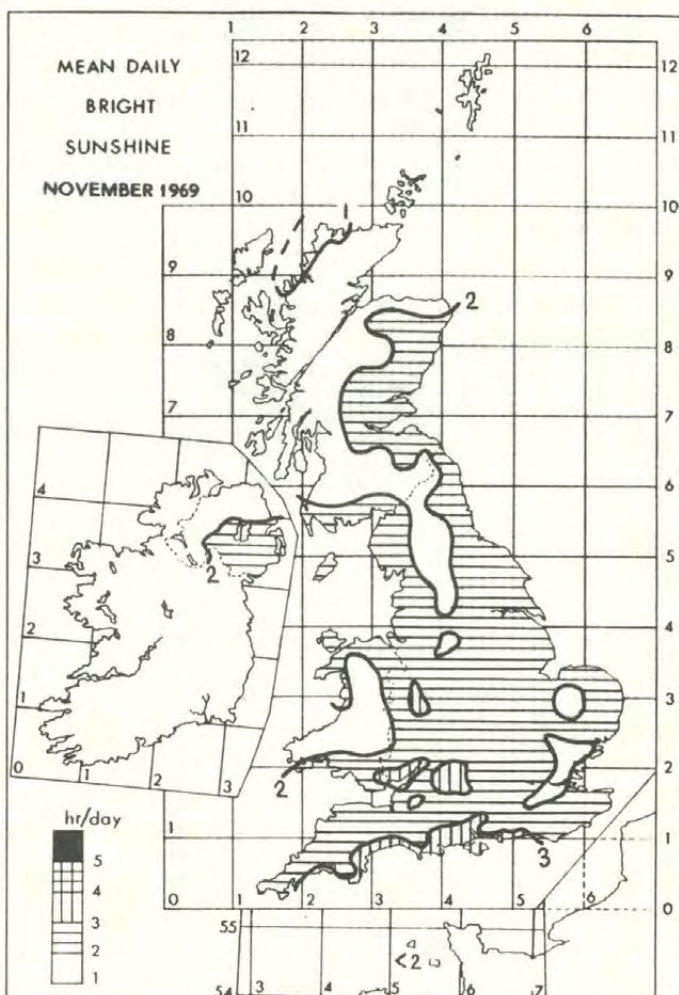
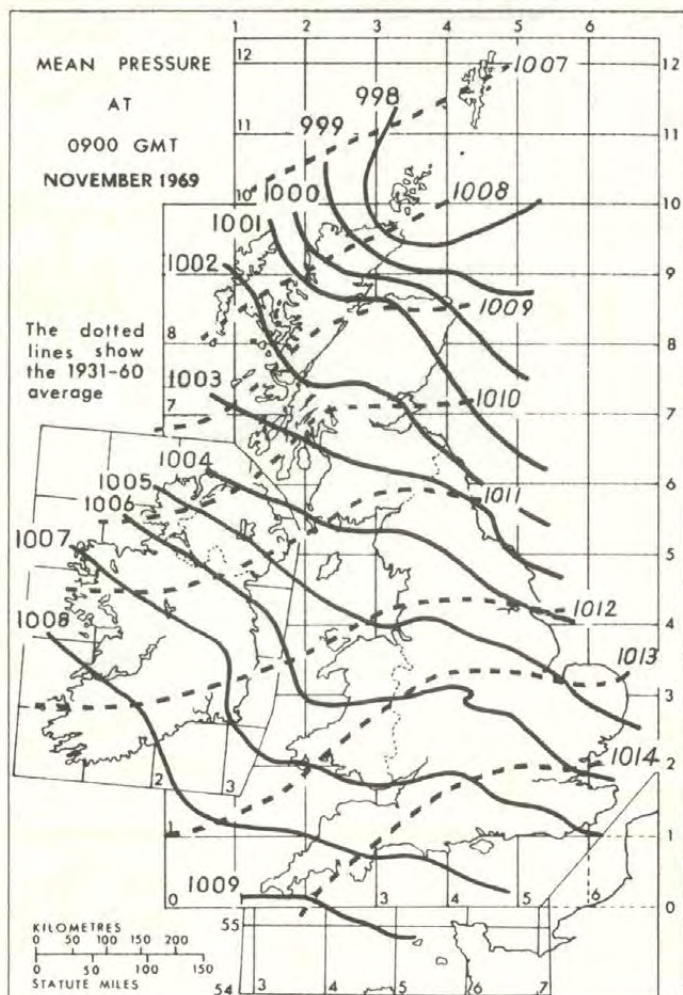




TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— NOVEMBER, 1969

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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TABLE II (continued)—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— NOVEMBER, 1969

DISTRICT COUNTY AND PLACE	HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										HIGHEST VELOCITIES					
	Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)				22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST		
				Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours						Mean Hourly Wind Speed in knots	Veer from N	Speed in knots	Hour ended at day hour	Veer from N	Speed in knots	Day and Time
5. ENGLAND, S.E. — contd.																			
Wiltshire Larkhill ... ..	145	13	10	-	0	6	17	295	345	63	0	10.3	230	27	12	13	260	55	9 1245
Boscombe Down ... ..	130	16	16	9	2	11	46	421	230	21	0	12.9	290	34	9	15	290	56	9 1435
Porton ... ..	120	10	10	9, 12	2	10	56	377	234	51	0	12.6	250	34	12	13	270	64	9 1210
7a ENGLAND, N.W.																			
Cumberland Sellafield ... ..	25	12	11	-	0	8	46	273	344	57	0	11.0	250	30	8	10	280	44	8 1235
Carlisle ... ..	42	13	9	-	0	6	40	238	267	175	0	9.2	230	30	2	14	230	47	2 1625
Spadeadam ... ..	292	16	15	2	2	8	45	290	332	51	0	11.1	230	34	2	17	230	56	2 1700
Westmorland Great Dun Fell ... ..	857	10	10	1, 2, 7, 16, 18, 19, 22, 29	65	25	272	281	76	26	0	20.4	240	46	2	14	270	59	19 1415
Lancashire Squires Gate ... ..	26	16	11	2, 8	10	18	143	350	199	18	0	15.4	270	39	8	13	270	58	8 1305
Aigburth ... ..	38	23	11	2	1	6	32	286	316	85	0	10.4	230	34	2	17	230	49	2 1705
Southport ... ..	19	14	11	8	5	15	94	290	215	111	5	12.1	280	37	8	14	280	53	8 1330
Fleetwood ... ..	34	15	9	8	5	18	116	309	240	50	0	13.4	280	36	8	15	270	63	8 1030
Speke ... ..	30	10	10	-	0	9	49	315	280	76	0	11.3	270	30	8	14	240	51	2 1820
Manchester/ W.Centre ... ..	82	45	17	-	0	4	24	258	398	40	0	10.2	220	30	2	18	220	53	2 1720
Cheshire Bidston ... ..	80	20	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ringway ... ..	80	10	10	-	0	3	17	270	371	62	0	9.6	220	26	2	21	290	43	19 2315
7b NORTH WALES																			
Anglesey Valley ... ..	26	16	12	2, 3, 7, 8, 27, 28	28	19	180	323	165	24	0	17.0	270	39	8	11	350	55	28 0410
8a SOUTH WALES																			
Cardigan Aberporth ... ..	135	13	11	9, 28	6	19	158	307	164	25	0	15.6	310	39	9	13	330	58	9 1250
Pembroke Milford Haven C.B. ... ..	47	10	10	-	0	7	64	330	261	65	0	11.9	220	30	4	01	240	52	9 2305
Brawdy ... ..	130	20	14	9	9	16	91	347	235	38	0	13.5	320	39	9	14	320	61	9 1305
Glamorgan Port Talbot ... ..	28	12	11	9	1	13	72	336	253	58	0	12.3	290	35	9	14	300	56	9 1340
Rhose ... ..	78	11	10	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8b ENGLAND, S.W.																			
Dorset Portland Bill C.G. ... ..	61	13	-	7, 9, 12, 15	24	24	232	358	98	8	0	18.9	280	45	9	14	270	73	9 1230
Devon Mount Batten ... ..	64	13	13	9, 11	6	13	101	329	241	43	0	13.3	280	35	9	12	300	57	9 1325
Chivenor ... ..	19	13	10	9, 12	4	14	94	319	280	23	0	13.1	280	37	9	13	270	58	9 1030
Cornwall Scilly ... ..	70	20	17	6, 8, 9, 14, 16, 17	26	19	186	356	134	18	0	17.5	290	42	9	11	290	68	9 0935
Lizard ... ..	96	23	18	6, 8, 9, 11, 12, 14, 16, 17, 23	30	21	213	256	172	45	4	17.1	280	48	9	12	280	74	9 1100
St. Mawgan ... ..	119	12	12	9, 14, 15	9	15	113	387	182	29	0	15.0	290	41	9	12	280	63	9 0835
9 NORTHERN IRELAND																			
Londonderry Ballykelly ... ..	13	12	10	-	0	8	50	332	215	123	0	10.9	360	30	28	01	280	54	8 0950
Antrim Aldergrove ... ..	80	10	10	-	0	3	11	277	359	73	0	9.4	350	24	28	02	360	41	28 0120
Ballypatrick Forest ... ..	166	13	13	21, 22, 28	16	15	112	464	104	24	0	15.6	090	40	22	10	090	65	22 0900
Belfast Harbour ... ..	21	18	18	28	1	12	66	429	170	47	7	12.9	320	37	28	02	320	60	28 0130
Down Kilkeel ... ..	35	18	18	-	0	9	40	383	252	45	0	11.5	350	28	28	03	260	54	8 0815
Orlock Head ... ..	51	16	12	21, 22, 28	10	19	145	438	103	24	0	16.4	070	36	22	08	010	63	28 0200
Portadown ... ..	26	10	10	Ø	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tyrone Carrigans ... ..	129	10	10	-	0	3	3	202	259	256	0	6.9	270	22	19	08	290	43	8 0850
Fermanagh Castle Archdale Forest ... ..	80	13	13	-	0	2	6	249	284	158	23	8.2	270	23	19	11	300	52	8 0810
CHANNEL ISLES																			
Jersey Airport ... ..	109	26	15	9	8	20	130	440	121	21	0	16.0	280	40	9	14	290	60	9 1205

† Anemograph dismantled for re-erection. \* Defective record. ‡ Record ceased. § Incomplete record. ¶ Anemograph out of order. \*\* Record ceased temporarily.

TABLE III —SUMMARY OF DAILY OBSERVATIONS NOVEMBER, 1969

DISTRICT, COUNTY AND PLACE		Terminal hr. GMT of Observation	Max. Min.	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL				WEATHER										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
					MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Terminal hour 9 GMT)		Most in a day		Number of Days				Percentage of 1911-60 average																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
									Maximum	Date	Minimum	Date			Total fall (mm.)	Percentage of 1911-60 average	Amount (mm)	Date	0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)			WEATHER Number of Days										BRIGHT SUNSHINE							
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1910-50 average	Most in A DAY Amount (mm)	Date	Precip'n 0.2 mm or more 1.0 mm or more	Snow or Sleet	Snow lying at thr.	Frost	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure			
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date																							
			Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
0	SCOTLAND, N. -contd.																																
	Inverness																																
	Benbecula ...	21-9	6	6.5	1.9	4.2	-3.1	12.4	2	-4.0	28	-	-	132	103	17	7	28	26	14	3	6	9	1	0	12	15	14	3	1.04	-	-	
	Isle of Rhum €	99	5	7.3	1.4	4.3	-	13.3	1	-2.2	16,17,28	6.1	10.2	220	79	31	7	27	23	5	2	12	0	4	0	10	24	-	2	-	-	-	
	Prabost ...	99	67	5.9	0.8	3.3	-	12.2	2	-2.8	28	-	-	174	87	34	7	28	24	8	8	2	17	3	0	11	24	-	5	1.38	-	-	
	Duntulm ...	99	90																														
	Onich ¶	99	15	6.7	0.1	3.4	-3.0	12.8	1	(-5.6)	18	-	-	234	117	31	1	25	22	-	3	-	-	-	0	15	23	-	-	1.09	89		
	Fort William €	99	8	6.4	-0.1	3.1	-	13.9	2	-6.1	17	5.4	8.4	195	112	27	2	27	19	11	4	0	2	0	0	14	25	-	-	1.00	-	-	
	Corpach ...	99	8	6.7	0.6	3.7	-	15.6	2	-4.4	17	-	-	241	-	45	7	23	19	6	4	0	0	0	0	14	24	-	2	-	-	-	
	Fort Augustus ...	99	21																														
	Inverness ...	99	4	6.6	-0.4	3.1	-	11.1	19	-4.4	16,28	-	-	63	109	16	1	15	13	6	4	1	0	0	0	18	22	-	0	1.79	-	-	
	Coire Cas Shieling	99	762	1.1	-3.3	-1.1	-	11.1	2	-8.9	28,29	-	-	-	-	-	-	-	-	-	16	24	-	-	-	5	26	-	3	-	-	-	
	Cairngorm ...	99	1090	-1.6	-5.9	-3.7	-	8.3	2	-11.7	28,29	-	-	-	-	-	-	-	-	-	17	27	-	-	-	29	-	-	-	-	-	S	
	Achnagoichan ...	99	305	3.7	-2.5	0.6	-	12.8	2	-8.9	16,17	4.9	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-	-	-	-	-	-	
	Glenmore Lodge	99	341																														-
1	SCOTLAND, E.																																
	Nairn																																
	Nairn ...	99	6	6.2	0.4	3.3	-2.7	12.8	2	-3.9	17	-	-	62	111	14	1	23	14	9	1	0	1	0	0	14	21	-	0	1.95	110	-	-
	Moray																																
	Grantown-on-Spey	99	229	4.0	-3.8	0.1	-	12.8	2	-12.2	16,18	-	-	88	-	15	1	24	15	16	14	0	2	0	0	25	27	-	0	-	-	-	-
	Forres ¶€	99	47	5.9	0.3	3.1	-2.7	13.3	2	-4.4	17	4.6	7.9	83	153	15	1	21	17	9	3	2	0	0	0	14	23	-	0	1.80	94	-	-
	Kinloss ...	21-9	5	5.9	0.7	3.3	-2.6	13.0	2	-4.7	16	6.1	-	79	147	15	2	21	16	17	2	0	9	0	0	14	20	20	0	1.69	-	-	-
	Elgin ...	99	15	6.6	0.7	3.7	-	13.3	1,2	-3.3	21	-	-	87	146	20	1	23	20	2	3	0	1	0	1	11	18	-	0	1.65	-	-	S
	Lossiemouth ...	99	6	6.6	-0.3	3.1	-2.7	12.8	1,2	-3.9	13	-	-	77	133	14	1	23	18	12	2	7	0	0	0	18	21	21	0	-	-	-	-
	Gordon Castle ...	99	32	6.1	0.5	3.3	-2.7	(12.2)	2	-2.8	29	-	-	93	127	23	1	21	20	6	0	3	0	0	0	-11	-	-	0	1.94	115	-	-
	Banff																																
	Glenlivet ...	21-9	215	4.0	-1.3	1.3	-	13.4	2	-11.6	18	-	-	133	-	21	24	24	19	17	13	0	0	0	1	20	27	25	0	2.07	-	-	S
	Banff ...	99	24	6.6	1.7	4.1	-	13.3	2	-1.1	29	-	-	82	-	11	1	23	16	6	0	6	0	0	0	5	-	-	5	1.45	-	-	-
	Aberdeen																																
	Braemar ...	99	339	4.4	-3.3	0.5	-3.3	13.3	2	-11.7	16	-	-	75	77	17	1	21	11	-	6	-	-	-	0	23	-	-	-	1.54	-	-	S
	Balmoral ...	99	283	4.4	-3.0	0.7	-3.2	13.3	2	-10.0	16	-	-	84	99	18	22	21	12	11	13	0	0	0	-	23	25	-	0	-	-	-	-
	Dinnert ...	99	177	5.6	-1.7	1.9	-	14.4	2	-8.3	16	4.8	-	61	-	15	22	18	11	-	9	-	-	-	-	21	-	-	-	2.63	-	-	-
	Gartley ...	99	160	5.5	-1.3	2.1	-	13.9	2	-5.6	15,16,22	-	-	83	-	16	1	24	19	-	-	-	-	-	-	18	24	-	-	-	-	-	-
	Inverurie Swge. Wks.	99	54	6.0	-1.7	2.1	-	14.4	2	-6.7	21	-	-	67	-	15	1	15	13	10	8	0	0	0	1	21	23	-	0	2.50	-	-	-
	Fyvie Castle ...	99	66	5.8	-1.8	2.0	-	13.9	2	-6.1	18	-	-	73	79	18	1	19	19	11	9	2	0	0	-	22	25	-	0	1.94	-	-	S
	Craibstone ¶€	99	91	5.9	0.2	3.1	-2.6	13.9	2	-2.8	14,28,29	4.9	7.9	49	54	20	22	18	8	6	7	0	0	0	0	16	23	-	0	2.78	140	-	-
	Dyce ...	21-9	58	5.9	-0.6	2.7	-2.9	14.8	2	-5.7	21	-	-	55	59	25	22	15	8	11	6	0	8	0	0	20	25	24	0	2.83	-	-	-
	Aberdeen ...	99	52																														
	Fraserburgh ...	21-9	18	7.1	2.5	4.8	-	13.4	2	-1.8	29	-	-	59	-	9	1	20	14	9	0	3	3	0	0	3	9	11	7	1.71	-	-	-
	Kincardine																																
	Fettercairn ...	99	171	5.4	-1.0	2.2	-2.9	13.3	2	-6.1	29	-	-	66	65	29	22	15	12	8	6	0	0	0	2	22	27	-	1	2.86	-	-	S
	Strachan ...	99	120	5.9	-2.7	1.6	-	15.6	2	-10.6	16	5.3	-	75	-	30	22	13	12	7	9	0	1	0	1	20	23	-	0	2.69	-	-	S
	Banchory ...	99	77	6.2	-1.5	2.3	-	15.6	2	-5.6	16,21,27	-	-	69	-	24	22	16	10	12	9	0	1	0	1	20	26	-	0	-	-	-	-
	Angus																																
	Mylnefield €	99	30	6.6	-0.4	3.1	-	15.0	2	-4.4	21	5.1	9.3	54	79	19	1	13	7	6	0	0	0	0	0	20	26	-	0	2.75	-	-	-
	Dundee ¶	99	45	6.6	0.4	3.5	-2.2	13.9	2	-3.9	28	5.2	-	56	77	21	22	12	6	6	3	0	1	0	1	16	25	-	0	2.88	-	-	-
	Glamis Castle ...	99	61	5.7	-1.6	2.1	-	13.9	2	-6.7	21,22	-	-	61	70	24	22	16	8	5	3	0	0	1	1	20	27	-	0	-	-	-	-
	Whitehillslocks ...	99	258	5.6	-2.7	1.5	-	14.4	2	-9.4	18	-	-	63	54	23	22	14	11	9	10	0	0	0	0	25	27	-	0	-	-	-	S
	Buddon Ness ...	99	5	6.7	-0.3	3.2	-2.6	14.4	2	-7.8	21	-	-	67	100	29	22	11	6	2	-	0	0	0	0	16	-	-	2	-	-	-	-
	Carnoustie ...	99	9	6.9	0.7	3.8	-	14.4	2	-3.9	17	5.4	-	67	97	34	22	10	8	4	0	0	0	0	0	13	26	-	0	2.77	-	-	-
	Arbroath ¶	99	28	6.7	0.7	3.7	-2.4	15.0	2	-2.8	21	-	-	65	102	28	22	9	6	3	0	0	0	0	0	11	24	-	0	3.27	156	-	-
	Usan ...	21-9	30	6.9	1.1	3.7	-	15.1	2	-3.8	28	-	-	50	-	22	22	10	5	5	1	0	0	0	0	13	20	20	1	3.28	-	-	-
	Montrose ...	99	57	5.9	-0.4	2.7	-	14.4	2	-3.9	21	-	-	54	76	26	22	14	5	5	3	0	0	0	0	19	25	-	0	-	-	-	-
	Perth																																
	Aberfoyle ...	99	27	7.3	-1.1	3.1	-	14.4	2	-7.8	28	-	-	164	-	37	1	21	18	5	-	0	0	0	-	18	24	-	0	-	-	-	-
	Dall ...	99	232	4.8	-2.3	1.3	-	14.1	2	-10.5	17	-	-	147	-	30	1	23	17	14	18	0	0	0	0	22	27	-	0	-	-	-	-
	Callander ...	99	107	6.8	-1.1	2.9	-	15.0	2	-5.6	17	-	-	192	-	35																	



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS NOVEMBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE			
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1910-50 average	MOST IN A DAY		Precip'n	0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date																
1 SCOTLAND, E. — contd.																																	
Berwick — contd.																																	
Marchmont ...	99	152	6.0	-0.2	2.9	-2.5	16.1	2	-5.0	28	-	-	124	163	34	21	18	15	7	6	0	0	1	0	17	-	-	0	1.75	111	S		
Whitchester ...	99	255	5.3	-0.6	2.3	-	15.6	2	-6.1	28, 29	-	-	156	190	33	21	18	14	10	13	3	0	1	-	21	-	-	0	-	-	-		
St. Abb's Head ...	99	75	7.0	2.4	4.7	-	17.2	2	-2.0	30	-	-	-	-	-	-	-	-	4	0	2	2	0	0	5	14	-	10	-	-	-		
Peebles																																	
Stanhope Farm ...	99	226	5.7	-1.1	2.3	-	15.0	2	-7.8	18, 26	-	-	156	138	30	21	26	16	13	6	0	0	0	0	17	23	-	0	-	-	-		
Blyth Bridge ...	99	253	5.2	-1.1	2.1	-	14.4	2	-7.2	28	-	-	132	152	29	21	21	17	12	5	0	2	1	0	19	25	-	5	1.57	-	-		
West Lynton ...	99	244	5.2	-1.5	1.9	-	14.4	2	-6.7	18, 23, 28	4.4	8.6	149	161	36	22	24	18	8	4	1	0	0	1	23	25	-	0	-	-	-		
Gientress ...	99	177	6.2	-1.0	2.6	-	16.1	2	-7.8	18, 26	-	-	123	164	35	21	21	12	-	4	-	-	-	0	19	-	-	-	-	-	-		
Selkirk																																	
Bowhill ...	99	183	5.9	-0.6	2.7	-	15.6	2	-6.1	18	-	-	135	163	30	21	22	15	12	5	0	0	0	0	19	-	-	0	-	-	-		
Galashiels ...	99	198	5.7	-0.3	2.7	-	15.6	2	-6.1	26, 27	-	-	106	-	23	21	20	13	8	5	1	3	0	0	16	22	-	0	2.20	-	S		
Roxburgh																																	
Wauchope ...	99	171	5.6	-1.3	2.1	-	14.4	2	-8.9	18	-	-	121	151	(29)	11	24	16	8	13	2	0	0	0	20	-	-	1	-	-	-		
Kelso ...	99	35	6.6	-0.2	3.2	-	15.6	2	-5.6	18	-	-	120	-	32	21	18	13	5	8	0	2	0	0	16	25	-	0	1.78	-	S		
Sourhope ...	99	219	5.1	-0.6	2.3	-2.6	13.9	2	-7.2	28	-	-	-	-	-	-	-	-	5	13	0	1	0	1	17	24	-	0	1.61	-	-		
6a SCOTLAND, W.																																	
Argyll																																	
Tiree ¶§	21-9	9	7.3	3.3	5.3	-2.6	13.8	2	-1.1	21, 28	-	-	143	121	19	7	28	26	8	0	1	17	1	0	3	13	13	7	1.44	90	-	-	
Rhuvaal ...	21-9	20	8.1	4.1	6.1	-	15.0	2	-0.2	28	-	-	163	101	21	1	26	23	3	0	12	0	2	0	1	5	4	1	-	-	-		
Colonsay ...	99	27	7.9	2.7	5.3	-2.2	13.9	2	-1.7	26, 28	-	-	185	129	24	7	27	26	2	-	3	0	0	1	3	-	0	-	-	-	-		
Aros ...	99	37	7.1	-	-	-	13.3	2	-	-	-	-	211	-	(28)	7	24	24	7	1	0	7	3	1	-	25	-	1	-	-	-		
Craighouse ...	99	3	8.6	3.1	5.9	-	14.4	2	-0.6	24	-	-	252	-	35	5	25	21	-	0	-	-	-	0	2	11	-	-	-	-	-		
Machrihanish ...	21-9	10	7.8	3.0	5.4	-	15.8	2	-3.3	26	-	-	191	-	23	21	25	21	8	1	4	7	5	0	7	13	11	4	1.62	-	-		
Campbeltown ...	99	3	-	-	-	-	-	-	-	-	-	-	(185)	-	(19)	4	22	22	-	-	-	-	-	-	-	-	-	-	1.73	-	-		
Achaglachgach ...	99	12	7.4	-0.9	3.3	-	13.9	2	-6.7	17	-	-	239	145	33	5	25	23	4	-	5	0	5	0	21	24	-	0	-	-	-		
Knapdale Forest ...	99	40	7.2	0.4	3.8	-	14.4	2	-4.4	17, 26	-	-	208	-	33	1	25	21	5	1	10	0	4	0	17	22	-	4	-	-	-		
Glenbranter ...	99	24	6.2	-0.1	3.1	-	14.4	2	-6.1	17	-	-	261	-	45	1	23	22	-	1	-	-	-	0	17	19	-	-	-	-	-		
Glen Etive ...	99	24	6.6	-0.1	3.3	-	14.4	2	-6.7	17	-	-	322	-	61	2	24	21	6	3	0	0	0	-	16	23	-	0	-	-	-		
Benmore Y.B.G. *	99	12	7.1	0.4	3.7	-	15.6	2	-5.6	16, 29	-	-	296	116	51	1	23	22	8	4	4	1	4	0	16	24	-	0	-	-	-		
Bute																																	
Kildonan ...	21-9	18	7.8	3.5	5.7	-	14.0	2	-1.5	28	-	-	158	-	17	2	23	22	5	-	5	0	0	0	4	11	10	8	1.89	-	-		
Brodict Castle ...	99	15	7.9	2.1	5.0	-	15.0	2	-2.8	26	7.1	-	214	-	23	7	25	24	3	3	5	0	5	0	7	16	-	1	-	-	-		
Rothsay ¶§	99	43	7.1	2.2	4.7	-2.2	15.0	2	-2.2	28, 29	6.8	9.7	176	119	19	2	23	20	2	0	4	0	1	0	7	19	-	1	1.83	115	S		
Dunbarton																																	
Finnart ...	99	15	-	-	-	-	-	-	-	-	-	-	214	-	45	1	24	22	-	-	-	-	-	-	-	-	-	-	-	-	-		
Helensburgh ...	99	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Sloy ...	21-9	12	6.8	1.2	4.0	-	16.1	2	-3.8	26	-	-	284	-	52	1	23	21	6	-	3	0	0	0	13	-	2	-	-	-	-	-	
Cumbernauld ...	99	94	5.7	-0.4	2.7	-	13.9	2	-6.1	28	-	-	194	-	46	22	21	19	6	3	1	0	1	1	17	25	-	0	-	-	-	-	
Stirling																																	
Earl's Hill ...	21-9	335	3.3	-0.5	1.4	-	12.4	2	-6.1	28	-	-	153	-	23	2	19	17	14	-	0	0	0	1	21	23	23	8	2.07	-	-	-	
Stirling €	99	46	6.9	0.6	3.7	-2.3	15.6	2	-4.4	28	5.3	10.8	88	93	18	1	21	13	6	3	0	1	0	1	14	24	-	0	2.32	-	-	-	
Falkirk Swge. Wks. ...	99	3	7.4	0.8	4.1	-	15.6	2	-3.9	28	-	-	104	-	23	2	13	11	3	1	0	2	1	0	15	-	0	2.15	-	-	-	-	
Grangemouth ...	99	4	7.2	0.9	4.1	-	15.6	2	-4.4	24	-	-	90	-	20	2	17	14	1	0	0	0	0	0	14	16	-	0	-	-	-	-	
Renfrew																																	
Greenock ...	99	61	6.3	1.9	4.1	-2.8	14.4	2	-2.2	28, 29	-	-	197	118	35	1	23	20	5	3	1	0	1	1	8	21	-	0	1.38	113	S		
Paisley €	99	32	6.6	0.9	3.7	-2.9	13.9	2	-4.4	28, 29	5.3	9.6	146	129	33	2	23	21	7	2	1	0	1	1	13	22	-	1	1.48	111	-		
Barrhead ...	99	30	6.9	0.5	3.7	-	14.4	2	-6.7	29	-	-	172	147	41	2	23	21	7	4	7	0	2	0	15	20	-	4	-	-	-		
Abbotsinch ¶§	21-9	5	6.4	0.4	3.4	-2.7	14.8	2	-7.8	29	-	-	140	134	37	2	23	19	12	4	5	0	1	1	15	23	18	0	1.71	121	-	-	
Lanark																																	
Crossmyloof ...	99	23	6.7	0.1	3.4	-	14.4	2	-5.6	29, 30	-	-	129	-	30	2	23	19	6	1	0	0	1	2	16	-	-	0	1.81	-	-	-	
Thortonhall ...	99	138	-	-0.2	-	-	-	-	-7.2	28	-	-	151	128	26	2	25	22	-	5	-	-	-	-	14	22	-	-	-	-	-		
Glasgow, Springburn ...	99	107	5.8	0.7	3.3	-2.1	13.9	2	-3.9	28	-	-	136	141	24	2	23	19	5	5	0	0	0	0	15	25	-	0	1.78	150	-	-	
Coatbridge ...	99	78	6.4	0.4	3.4	-2.2	14.4	2	-5.0	28, 29	-	-	120	137	18	22	23	18	7	4	1	0	0	0	14	-	-	1	-	-	-	-	
Salsburgh ...	21-9	274	4.4	-0.5	1.9	-	13.2	2	-7.2	28	-	-	-	-	-	-	-	-	10	-	0	0	0	0	21	20	15	1	-	-	-	-	
Lowther Hill ...	99	723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Leadhills ...	99	387	3.9	-1.9	1.0	-3.3	13.3	2	-8.9	28, 29	-	-	148	87	18	1	22	21	15	15	0	1	0	0	19	23	-	0	-	-	-	-	
Crawfordjohn ...	99	274	4.7	-1.6	1.5	-	14.3	2	-9.8	26	5.7	-	129	-	19	27	24	19	17	3	0	0	0	0	17	24	22	4	1.54	-	-	-	
Lanark ...	99	152	5.9	-0.5	2.7	-	15.0	2	-8.9	29	-	-	106	-	15	21	21	18	0	5	0	0	0	0	14	-	-	1	1.96	-	S		
Carnwath ...	99	208	5.2	-2.2	1.5	-3.2	14.4	2	-9.4	29	-	-	103	122	10	7, 21	24	18	14	5	6	0	0	0	21	25	-	1	-	-	-	-	
Camps Reservoir ...	99	295	4.4	-1.9	1.3	-	13.9	2	-8.9	29	-	-	157	133	20	21	24	21	11	6	0	0	0	2	23	-	-	4	1.27	-	S		
Ayr																																	
Girvan ...	99	8	8.1	3.1	5.6	-	15.0	2	-2.8	26	-	-	158	-	21	19	23	23	1	0	1	2	0	0	6	13	-	2	1.49	-	-	-	
Hunterston ...	99	8	7.9	3.0	5.5	-	15.0	2	-1.7	26	-	-	127	-	19	2	20	20	4	0	1	0	0	0	4	-	-	2	-	-	-	-	
Largs ...	99	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Barr ...	99	122	7.2	-0.6	3.3	-	14.4	2	-7.8	17	-	-	264	-	35	7	24	23	-														



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS NOVEMBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE				
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1910-50 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date															
6b ISLE OF MAN																																
Ronaldsway ...	21-9	17	8.7	3.8	6.3	-	15.6	2	-4.3	30	-	-	93	102	20	3	22	14	1	0	0	7	0	0	8	13	9	0	2.60	-	-	-
Douglas ...	9 9	87	(8.1)	3.2	(5.7)	(-2.1)	15.0	2	-1.1	30	-	-	106	88	18	21	23	14	1	0	5	0	0	0	7	10	-	5	2.76	136	-	-
Point of Ayre ...	21-9	9	8.5	4.5	6.5	-	15.7	2	-0.1	14	-	-	123	150	23	21	22	17	1	0	3	0	2	0	1	-	-	8	2.50	-	-	-
2 ENGLAND, N.E.																																
Northumberland																																
Kielder Castle ...	9 9	201	5.0	1.4	3.2	-	13.3	2	-0.4	18	6.6	-	167	147	25	11	23	18	13	15	1	0	0	6	21	26	-	0	-	-	-	-
Haydon Bridge ...	9 9	79	6.7	0.2	3.5	-	16.7	2	-5.6	26, 29	5.7	8.7	137	-	33	11	24	19	10	10	1	0	0	0	14	23	-	1	-	-	-	-
Corbridge ...	9 9	49	7.1	0.3	3.7	-	17.2	2	-6.1	18	-	-	145	-	34	14	22	16	7	6	0	0	0	0	15	(23)	-	1	-	-	-	-
Berwick-on-Tweed †	9 9	23	7.3	1.4	4.3	-2.2	16.1	2	-2.8	18	-	-	94	164	23	11	15	11	4	0	0	5	0	0	9	18	-	1	2.72	133	-	-
Acklington ...	21-9	42	6.4	1.5	3.9	-2.4	15.9	2	-3.7	28	-	-	156	244	26	21	16	12	9	6	2	5	2	0	9	19	19	1	(2.73)	-	-	-
Tynemouth †	21-9	29	6.9	2.9	4.9	-2.4	17.0	2	-2.6	29	-	-	121	192	25	27	17	10	8	1	4	0	1	0	6	17	-	4	2.37	146	-	-
Seahouses ...	21-9	11	7.4	2.3	4.9	-	16.8	2	-1.7	28	-	-	148	-	34	11	13	10	7	0	2	3	2	0	8	17	18	8	2.46	-	-	-
Durham																																
Chopwellwood ...	9 9	136	6.3	0.5	3.4	-2.6	13.9	1	-5.0	28, 29	-	-	164	234	30	11	23	17	7	12	0	0	0	0	12	24	-	0	-	-	-	-
Upshaw College ...	9 9	181	-	-	-	-	-	-	-	-	-	-	116	170	22	11	23	17	6	6	0	1	0	1	-	23	-	0	-	-	-	-
Houghall ...	9 9	37	-	-	-	-	-	-	-	-	-	-	117	185	23	11	22	15	-	6	-	-	-	-	4	12	21	-	-	2.55	133	-
Durham †	9 9	102	6.8	1.1	3.9	-2.2	15.0	2	-4.4	28	6.9	10.6	113	179	19	11	22	16	3	2	1	0	0	2	6	-	-	1	2.27	-	-	-
Hartlepool ...	9 9	9	7.6	2.1	4.7	-	16.7	2	-2.8	18, 28	-	-	113	179	19	11	22	16	3	2	1	0	0	2	6	-	-	1	2.27	-	-	-
Yorks., N. Riding																																
Leeming ...	21-9	32	7.1	2.0	4.5	-	16.5	2	-4.3	18	-	-	100	-	23	3	19	14	8	5	0	2	0	3	10	20	17	0	2.47	-	-	-
York (Heslington) ...	9 9	20	7.3	1.6	4.5	-	15.6	2	-3.3	18, 29	6.2	9.3	95	-	24	2	18	14	-	3	-	-	-	-	2	10	18	-	-	2.48	-	-
Ampleforth ...	9 9	95	-	-	-	-	-	-	-	-	-	-	116	-	21	3	21	14	6	6	0	3	0	1	13	24	-	0	-	-	-	-
Redcar ...	9 9	8	8.2	2.5	5.3	-	16.7	2	-2.2	28	-	-	109	171	17	27	26	14	-	2	-	-	-	-	1	7	-	-	-	2.10	-	-
Pickering ...	9 9	44	7.2	0.6	3.9	-	15.8	2	-4.8	18	-	-	116	-	21	3	21	14	6	6	0	3	0	1	13	24	-	0	-	-	-	-
Whitby ...	9 9	41	-	-	-	-	-	-	-	-	-	-	116	-	21	3	21	14	6	6	0	3	0	1	13	24	-	0	-	-	-	-
Scarborough ...	9 9	36	8.0	2.9	5.5	-1.9	15.6	2	-1.7	18, 29	6.8	10.6	106	163	18	3	19	13	5	2	0	0	0	0	2	9	-	0	2.26	135	-	-
Silpho Moor ...	9 9	203	6.0	0.5	3.3	-	14.4	2	-4.4	29	5.7	-	129	151	21	21	24	15	6	6	2	0	0	2	14	23	-	0	2.50	-	-	-
Whitby Coast Guard	21-9	63	7.7	2.9	5.3	-	16.4	2	-1.6	18	-	-	77	-	15	21	16	10	5	1	1	2	0	0	6	10	12	7	-	-	-	-
Yorks., E. Riding																																
High Mowthorpe ...	9 9	175	6.1	0.6	3.3	-	14.4	2	-5.0	29	5.7	-	136	171	25	3	20	17	-	6	-	-	-	2	12	18	-	-	1.01	-	-	-
Hull †	9 9	2	8.4	2.4	5.4	-1.7	16.1	2, 3	-2.2	29, 20	7.1	11.4	132	203	25	3	21	16	4	3	3	0	0	1	5	16	-	0	2.47	158	-	-
Filey ...	9 9	37	7.8	1.4	4.6	-	15.6	2	-3.3	7, 18	-	-	103	142	20	3	20	15	3	2	4	1	0	1	8	16	-	0	3.51	-	-	-
Bridlington †	9 9	48	7.7	1.1	4.4	-2.1	15.6	2	-2.8	18, 29	-	-	133	179	33	11	23	14	5	2	0	1	0	0	9	17	-	5	2.48	127	-	-
Kilnsea ...	21-9	12	8.2	3.6	5.9	-	16.1	2	-3.2	29	-	-	106	-	23	3	19	14	8	0	2	3	0	1	6	-	-	10	2.41	-	-	-
Lincoln																																
Waddington ...	21-9	68	7.4	2.5	4.9	-1.5	16.6	2	-3.6	29	-	-	117	-	54	16	16	10	9	4	0	1	1	1	10	15	14	0	2.59	131	-	-
Lincoln †	9 9	7	7.8	1.3	4.5	-1.7	17.2	2	-5.6	18, 30	7.9	10.4	118	181	54	16	19	11	2	3	0	0	0	0	11	20	-	0	2.95	-	S	-
Cranwell †	9 9	62	7.9	1.6	4.7	-1.7	16.9	2	-3.6	29	7.0	10.1	95	160	33	16	15	10	7	3	0	1	1	0	10	15	13	0	2.50	-	-	-
Brigg ...	9 9	3	8.1	1.4	4.7	-	17.2	2	-4.4	30	-	-	118	-	27	3	22	16	3	2	0	0	0	0	11	18	-	0	-	-	-	-
Caistor ...	9 9	30	-	-	-	-	-	-	-	-	-	-	131	-	41	16	14	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Binbrook ...	21-9	108	7.1	2.3	4.7	-	15.9	2	-3.5	29	-	-	117	-	37	16	21	13	11	5	1	5	1	1	8	15	0	-	-	-	-	-
Cleethorpes ...	9 9	7	8.1	2.6	5.3	-1.7	16.7	2	-2.2	18	-	-	111	181	24	3	10	15	5	3	3	0	1	0	3	9	-	4	2.46	130	-	-
Manby ...	21-9	17	8.2	2.7	5.5	-	17.9	2	-2.8	18	7.3	-	127	215	34	16	19	14	7	3	1	5	1	1	11	8	14	0	2.54	-	-	-
Skegness ...	9 9	5	8.4	2.8	5.6	-1.3	17.2	2	-2.8	29	-	-	114	193	29	16	14	14	4	2	0	0	0	1	4	-						



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS NOVEMBER, 1969

DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C	RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days												BRIGHT SUNSHINE						
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM					30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916—50 average	Amount (mm.)	Date	Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931—60 average	Exposure
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date								0.2 mm or more	1.0 mm or more													
3 ENGLAND, E. — contd.																																
Essex																																
Harlow ...	99	79	9.0	2.3	5.7	-	17.2	2	-5.0	18,30	-	11.7	66	-	23	8	18	13	4	2	0	0	0	0	6	-	-	0	2.22	-	-	-
Stansted ...	99	101	7.9	2.6	5.3	-1.1	17.4	2	-5.0	18	-	-	87	136	22	14	20	14	6	2	0	1	2	1	9	13	11	0	-	-	-	-
Writtle ...	99	32	8.9	2.9	5.9	-	17.2	2	-4.4	29	7.9	-	80	129	14	16	19	13	4	2	0	0	2	0	7	15	-	0	1.93	-	-	-
Southend ...	99	27	9.5	3.9	6.7	-1.0	17.8	2	-3.3	29	-	-	78	130	30	16	18	15	4	3	0	1	1	0	4	-	-	1	1.68	-	-	-
Maldon ...	99	4	9.1	2.9	6.0	-	17.8	2	-3.3	18,29,30	-	-	93	-	22	16	22	15	4	-	0	0	0	0	7	-	-	1	-	-	-	-
Earls Colne ...	99	49	9.4	2.6	6.0	-	18.9	2	-3.9	29	8.2	11.2	81	127	13	16	17	13	-	2	-	-	-	0	7	12	-	-	-	-	-	-
Shoeburyness ¶	21-9	2	9.4	4.9	7.1	-0.6	17.8	2	-3.2	29	-	-	87	152	22	16	18	19	6	2	1	0	5	0	5	11	8	0	2.38	115	-	-
Clacton-on-Sea €	99	16	9.3	3.9	6.6	-0.9	17.2	2,3	-5.0	29,30	9.7	12.1	81	133	23	16	19	12	3	3	0	0	0	0	6	13	-	1	2.49	117	-	-
Walton-on-Naze	21-9	5	9.2	4.3	6.7	-	17.5	2,3	-3.2	29	-	-	87	-	23	16	20	14	4	0	0	0	3	0	5	5	5	0	2.31	-	-	-
Dovercourt ...	99	3	9.6	4.6	7.1	-0.4	17.8	2	-1.7	29	-	-	94	154	24	16	20	14	2	-	1	0	2	0	3	19	-	0	1.99	-	-	-
4 MIDLAND COUNTIES																																
Yorks., W. Riding																																
Slaidburn ...	99	192	6.5	0.8	3.7	-	13.9	2	-5.0	18,29	-	-	218	135	27	3	24	21	4	5	3	0	0	2	13	18	-	0	2.40	-	-	-
Malham Tarn ...	99	395	4.8	-0.4	2.2	-	12.2	3	-6.7	29	6.5	-	199	126	27	3	24	22	7	7	0	0	0	4	15	21	-	0	2.64	-	-	-
Huddersfield §	99	99	7.6	-	-	-	15.0	1,2	-	-	6.8	10.2	152	183	24	3	20	15	-	1	-	-	-	4	-	-	-	-	2.29	183	-	-
" Oakes	21-9	235	6.5	1.3	3.9	-	14.3	1	-4.5	28,29	6.0	8.8	183	185	31	3	23	18	7	5	1	3	3	2	11	19	14	4	2.44	146	-	-
Bradford ¶€	99	134	6.9	1.4	4.1	-2.1	15.0	2	-3.9	29	7.2	10.5	158	177	28	3	23	19	7	4	1	0	0	3	12	16	-	0	-	-	-	S
Ilkley ...	99	96	7.6	1.4	4.5	-1.6	15.6	2	-4.4	18	-	-	164	159	28	3	20	18	6	3	0	2	0	4	10	-	-	0	2.37	145	S	-
Sheffield ...	99	131	7.5	2.3	4.9	-2.0	15.0	2	-3.3	29	7.2	11.1	164	199	34	16	19	17	9	6	0	0	0	-	5 (18)	-	-	0	2.05	145	S	-
Pontefract ...	99	78	7.2	1.6	4.4	-2.1	15.6	2	-3.3	28,29	-	-	129	219	24	10	19	16	4	5	0	0	0	7	7	13	-	0	-	-	-	-
Bramham ...	99	54	7.2	1.3	4.3	-	15.0	2	-3.3	30	-	-	119	205	26	3	19	15	3	2	0	0	0	4	9	22	-	0	2.36	-	-	-
Cawood ...	99	6	7.4	1.2	4.3	-	15.6	2	-3.9	30	6.9	10.1	108	180	25	3	16	16	2	2	0	0	0	2	11	22	-	0	2.44	-	-	-
Askham Bryan ...	99	34	6.9	1.2	4.1	-	16.1	2	-3.3	30	-	-	101	160	25	3	20	15	6	5	0	0	0	3	11	15	-	1	2.42	153	-	-
Derby																																
Buxton €	99	307	5.7	0.7	3.2	-2.1	13.3	1,2	-7.2	18	5.4	8.6	191	152	34	3	21	21	6	5	0	0	0	2	13	14	-	0	-	-	-	-
Ashover ...	99	186	6.9	1.4	4.1	-	14.4	2,3	-5.0	18	-	-	170	-	52	16	21	15	10	6	0	1	0	5	12	20	-	0	2.67	-	-	-
Derby ...	99	48	8.4	2.6	5.5	-	16.1	2,3	-4.4	30	-	-	76	101	24	16	16	11	3	0	0	0	0	0	5	6	-	0	2.29	-	-	-
Morley ...	99	107	-	1.4	-	-	-	-	-4.4	18,21,30	-	-	82	112	29	16	15	13	3	-	0	0	0	-	10	13	-	0	2.52	-	-	S
Wingerworth ...	99	127	7.4	1.3	4.3	-	15.0	2	-4.4	18	-	-	153	-	33	11	22	13	6	5	0	2	0	2	10	17	-	0	-	-	-	-
Nottingham																																
Sutton Bonington	99	48	8.3	2.0	5.1	-1.3	16.7	2	-5.0	30	8.4	10.9	71	127	22	16	13	9	4	0	0	0	0	8	17	-	0	2.47	149	-	-	-
Watnall ...	21-9	117	7.5	2.4	4.9	-1.6	15.6	2	-4.2	29	-	-	106	156	42	16	18	11	10	3	1	0	0	1	7	17	16	0	2.28	135	-	-
Mansfield ...	99	110	(7.4)	1.8	(4.6)	(-1.7)	15.6	2	-3.3	29	5.4	-	124	172	43	16	19	14	5	3	0	0	0	0	7	16	-	0	-	-	-	-
Nottingham ¶	99	59	8.4	2.6	5.5	-1.4	16.1	2	-4.4	30	6.9	10.4	81	140	30	16	13	10	4	2	0	0	0	0	4	11	-	0	2.42	163	-	-
Warsop ...	99	46	7.9	1.5	4.7	-	17.2	2	-5.6	30	-	-	119	195	40	16	21	14	-	-	-	-	-	1	13	19	-	-	2.57	-	-	-
Finningley ...	21-9	10	8.1	2.5	5.3	-1.4	16.7	2	-3.0	18,30	-	-	226	-	27	3	20	16	8	3	0	0	0	2	9	14	11	0	2.54	-	-	-
Leicester																																
Newtown Linford	99	119	8.0	1.7	4.9	-	16.1	2	-5.0	18	-	-	66	99	16	16	18	10	2	0	0	0	2	0	8	15	-	0	2.43	-	-	-
Caldecott ...	99	53	9.1	1.2	5.1	-	17.8	2	-6.7	29	-	-	83	144	31	16	11	11	-	1	-	-	-	0	11	22	-	-	2.17	-	-	-
Northampton																																
Bugbrooke Mills	99	69	8.6	1.5	5.1	-	16.7	2,3	-5.6	18,29	7.6	10.6	49	81	9	16	15	10	-	3	-	-	-	0	11	-	-	-	2.51	-	-	-
Raunds ¶€	99	59	8.3	1.9	5.1	-1.2	17.2	2	-4.4	18,29	7.6	11.4	50	87	13	16	17	9	5	0	2	0	1	1	8	17	-	0	2.18	129	-	-
Wittering ...	99	65	8.2	2.8	5.5	-1.1	17.4	2	-3.9	29	-	-	83	141	23	16	13	11	7	4	1	1	1	1	9	19	1					



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS NOVEMBER, 1969

DISTRICT, COUNTY AND PLACE		Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days							BRIGHT SUNSHINE										
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1931-60 average	MOST IN A DAY		Precip'n 0.2 mm or more or more	Snow or Sleet Snow lying at shr.	Ice Pellets etc.	Thunder heard	Fog at shr.	Air Frost†	Glass min. below 0°C.	Concrete min. below 0°C.	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure						
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date																		
4 MIDLAND COUNTIES — contd.																																			
Hereford																																			
Lyonshall ...	99	155	8.3	2.4	5.3	-1.0	15.6	2	-2.8	29	-	-	97	111	23	11	18	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ross-on-Wye £€	21-9	68	9.0	3.4	6.2	-1.0	16.6	2	-4.9	30	8.1	11.2	71	96	13	11	16	11	2	0	1	1	0	0	9	15	12	0	2.90	158	-	-	-		
Preston Wynne	99	84	8.7	1.6	5.1	-	17.2	2	-7.8	29	-	-	70	106	10	8	15	12	2	0	0	0	1	0	10	20	-	0	2.70	-	-	-	-		
Gloucester																																			
Filton ...	21-9	59	9.3	3.9	6.6	-0.8	15.4	2	-3.9	30	-	-	91	117	20	11	17	13	0	0	1	0	3	0	4	10	12	0	2.65	-	-	-	-		
Hempsted ...	99	12	9.4	2.7	6.1	-	16.7	2	-7.2	30	9.5	12.6	79	109	16	11	15	11	1	0	1	0	1	0	6	13	-	0	2.90	-	-	-	-		
Gloucester ...	21-9	24	9.4	3.9	6.7	-	16.7	2	-6.4	30	-	-	80	-	18	11	15	11	3	0	2	1	1	0	8	9	9	0	2.91	-	-	-	-		
Cheltenham ...	99	65	8.9	2.5	5.7	-1.2	17.2	2	-6.7	29,30	-	-	75	108	14	11	16	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Cirencester ...	99	135	8.3	1.6	4.9	-	15.6	2,3	-5.6	29	-	-	89	103	17	21	18	11	1	0	0	1	0	2	9	15	-	1	3.02	-	-	-	-		
Little Rissington	21-9	226	7.5	2.2	4.9	-	15.4	3	-4.2	29	-	-	81	101	17	11	16	9	5	2	0	3	2	2	10	17	13	0	2.84	-	-	-	-		
5 ENGLAND, S.E.																																			
Greater London																																			
Kensington Palace	99	25	9.5	3.9	6.7	-1.0	17.2	2	-2.2	18,29,30	8.0	11.2	89	135	19	14	21	15	3	1	0	0	1	0	6	15	-	1	-	-	-	-	-		
Hampstead ...	99	137	8.8	(2.8)	(5.8)	(-0.8)	16.5	2	-4.2	29	-	-	79	111	17	14	21	14	3	1	0	0	2	-	7	13	-	0	2.12	121	S	-	-		
St James's Park	99	4	9.7	4.3	7.0	-1.0	17.8	2	-2.2	29	-	-	81	130	19	14	19	12	2	-	0	0	2	-	4	14	-	1	-	-	-	-	-		
London/W.Centre	-	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Greenwich ...	99	7	-	-	(3.7)	-	-	-	-2.2	30	-	-	75	125	14	14	17	13	-	1	0	0	2	0	4	15	-	0	1.93	138	-	-	-	-	
Heathrow ...	21-9	25	9.4	3.9	6.7	-0.5	17.9	2,3	-3.2	29	-	-	69	107	19	14	17	12	6	1	2	0	4	0	6	13	7	1	2.37	-	-	-	-	-	
Hampton ...	99	12	9.7	3.7	6.7	-	17.2	2	-3.9	30	-	-	78	126	19	14	17	12	3	1	1	0	2	0	4	13	-	2	2.40	-	-	-	-	-	
Wealdstone ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Southgate ...	99	67	9.7	3.1	6.4	-	17.2	2,3	-3.9	29	9.3	-	76	114	19	14	19	13	4	2	0	0	2	0	5	13	-	0	2.34	-	-	-	-	-	
Kew £€	21-9	5	9.3	3.4	6.3	-	17.7	2	-6.0	18	8.5	11.3	81	128	21	14	17	12	4	1	1	1	2	1	12	12	10	0	2.35	133	-	-	-	-	
Waddon ...	99	67	-	3.2	-	-	-	-	-5.0	30	-	-	86	114	17	14	17	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Addington ...	99	144	8.7	3.0	5.9	-0.9	16.1	2,3	-4.4	29,30	-	-	86	107	17	14	20	14	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	
Bromley ...	99	65	-	(2.1)	-	-	-	-	-5.0	18,29,30	-	-	-	-	-	-	-	-	-	0	-	-	-	-	0	9	-	-	-	-	-	-	-	-	
Surrey																																			
Gatwick ...	21-9	59	9.5	2.6	6.1	-0.8	18.3	3	-8.0	30	-	-	123	141	20	14	21	17	4	1	2	1	4	0	11	14	8	0	2.43	-	-	-	-	-	
Wisleigh ...	99	35	9.7	2.7	6.3	-0.5	17.8	2	-6.7	30	8.8	11.6	94	131	18	14	20	14	-	1	-	-	-	0	9	18	-	-	2.07	121	S	-	-		
Mickleham ...	99	55	(9.3)	(1.1)	(5.2)	-	17.2	2	-8.9	30	(9.4)	(10.7)	100	116	19	16	19	14	-	1	-	-	-	-	0	13	18	-	-	-	-	-	-	-	
Kent																																			
Dartford ...	99	5	9.9	3.3	6.6	-	18.3	2,3	-3.9	18	-	-	74	119	15	16	20	15	4	1	0	0	2	0	8	-	-	0	-	-	-	-	-	-	
Hadlow College	99	27	9.6	(2.1)	(5.9)	-	17.2	2,3	-6.1	18	8.5	11.3	113	-	22	16	21	18	4	1	1	0	1	1	11	15	-	0	2.35	-	-	-	-	-	
Gillingham ...	99	4	9.8	3.5	6.7	-	18.9	2	-3.3	30	-	-	93	135	21	16	18	13	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-	
Isle of Grain	99	3	10.3	5.1	7.7	-	17.8	2,3	-8.8	30	-	-	72	-	19	16	15	15	5	2	0	0	1	0	3	5	-	0	2.07	-	-	-	-	-	
Dungeness ...	21-9	3	10.5	(5.3)	(7.9)	(-0.3)	16.4	3	-4.0	29	-	-	187	240	36	17	22	17	4	1	2	0	3	0	4	-	-	8	-	-	-	-	-	-	
Whitstable ...	99	3	10.3	4.4	7.3	-	18.3	2	-1.7	18,29	-	-	111	168	23	16	19	15	3	0	2	0	3	0	5	-	-	5	2.37	-	-	-	-	-	
Folkstone ...	99	39	10.1	4.7	7.4	-	16.1	3	-4.4	29	-	12.6	180	214	47	15	21	17	5	2	4	0	5	0	3	8	-	9	2.74	-	-	-	-	-	
Elmstone ...	99	9	9.7	2.9	6.3	-	17.2	2	-3.9	18	-	-	132	-	21	16	22	18	-	3	-	-	-	-	7	-	-	-	-	-	-	-	-	-	
Herne Bay ...	99	6	9.8	4.8	7.3	-	17.8	2	-1.1	18	-	-	109	157	24	16	19	15	3	0	0	2	2	0	3	-	-	1	2.35	-	-	-	-	-	
Dover ...	99	6	-	5.1	-	-	-	-	-2.8	29	9.3	11.8	190	205	42	15	24	18	2	-	5	0	3	0	3	5	-	0	2.35	-	-	-	-	-	
Deal ...	21-9	5	10.1	5.0	7.5	-	17.3	2	-3.4	29	-	-	159	-	54	16	17	14	3	2	1	0	5	0	4	7	6	0	-	-	-	-	-	-	
Manston ...	21-9	44	9.8	4.4	7.1	-	17.5	2	-3.4	18	-	-	121	180	18	16	20	18	5	1	6	0	5	0	5	7	6	0	-	-	-	-	-	-	
Ramsgate ...	99	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Margate ...	99	16	10.3	5.2	7.7	-0.7	17.8	2	-1.7	30	8.6	11.9	111	174	23	16	18	16	3	0	1	1	4	0	3	-	-	2	2.07	103	S	-	-	-	
West Malling	99	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goudhurst ...	99	85	9.1	2.5	5.8	-	16.1	2	-5.0	18,29	-	-	159	159	24	14	23	18	5	1	1	0	1	0	12	18	-	1	-	-	-	-	-	-	
East Malling £€	99	37	9.6	2.8	6.2	-0.5	17.2	2,3	-5.0	18	7.8	11.1	109	140	23	16	20	17	3	1	0	2	2	0	8	15	-	1	2.23	121	-	-	-	-	-
Throwley ...	99	150	(8.9)	2.7	(5.8)	-	15.6	2,3	-4.4	29	7.6	10.8	156	186	29	16	24	17	7	3	1	0	3	0	9	17	-	8	1.99	-	-	-	-	-	
Faversham ...	99	48	9.6	3.3	6.5	-	17.2	2,3	-3.9	18,29	8.9	11.6	122	-	24	16	21	17	4	2	2	1	1	0	6	13	-	0	2.35	-	-	-	-	-	
Wye ...	99	56	9.7	2.8	6.3	-0.6	16.7	2,3	-4.4	29	8.4	10.9	146	160	30	16	23	20	4	3	1	0	2	0	9	13	-	0	2.32	114	-	-	-	-	-
Sussex																																			
Thorney Island	21-9	3	10.1	4.2	7.1	-	17.9	2	-4.1	18	-	-	127	159	20	16	16	13	4	1	1	2	4	0	8	10	8	2	2.98	-	-	-	-	-	
Bognor Regis ...	99	7	10.2	4.2	7.2	-0.9	17.2	2	-3.3	29,30	-	12.6	134	158	22	6	19	15	2	1	0	2	0	6	12	-	2	3.25	134	-	-	-	-	-	
Fernhurst ...	99	57	9.5	2.2	5.9	-	17.1	2	-5.5	18,30	7.9	-	142	132	29	6	21	14	4	-	1	0	3	-	11	13	-	0	2.38	-	-	-	-	-	
Littlehampton	99	5	10.6	4.0	7.3	-0.6	16.7	2,3	-4.4	29,30	-	12.3	149	171	21	6	18	14	4	1	3	0	2	0	5	-	0	3.02	128	-	-	-	-	-	
Rustington ...	99	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
North Heath ...	99	21	9.9	(2.4)	(6.1)	-	17.2	2	-5.0	18,30	8.3	11.6	121	-	18	6	15	15	1	2	0	0	1	0	10	22	-	0	2.87	-	-	-	-	-	
Worthing ...	99	8	10.2	4.4	7.3	-0.9	17.2	2	-3.3	29																									

\* Sunshine and Radiation (see Table XIII) read at Bracknell (Easthampstead)



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS NOVEMBER, 1969

DISTRICT, COUNTY AND PLACE			Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE		
						MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total (all inches)	Percentage of 1931-60 average	Amount (mm)	Date	Precip'n 0.2 mm or more 1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost† below 0°C	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure	
						Max. (A)	Min. (B)			Maximum	Date	Minimum	Date																					
						5. ENGLAND, S.E. — contd.																												
Hampshire — contd.																																		
Southsea 99 2																																		
Hayling Island ... 99 4 10.4 4.8 7.6 - 16.7 2,3 -2.8 18 - - 135 - 24 6 17 14 1 0 2 0 4 0 5 - - 2 3.36 - -																																		
Long Sutton ... 99 156 8.9 (2.4) (5.7) (-0.7) 16.7 2 -5.0 30 7.4 - 116 - 29 14 15 14 3 0 0 0 2 0 6 21 - 1 2.78 146 S																																		
Alice Holt Lodge 99 115 8.9 2.4 5.7 - 17.2 2 -4.4 29 - - 120 133 27 14 20 14 3 0 0 0 3 1 10 17 - 0 2.71 - -																																		
S. Farnborough 99 69 9.3 2.2 5.7 -1.2 17.7 2 -6.6 30 - - 100 137 28 14 18 11 6 1 0 0 3 0 9 15 10 2 2.53 133 -																																		
Isle of Wight																																		
St. Catherine's Pt. 99 16 (11.1) (4.9) (8.0) (-0.8) 17.0 2 -2.5 29,30 - - 133 145 26 6 18 17 0 - 0 0 0 1 0 3 - - 10 - -																																		
Ventnor * ... 99 135 10.7 5.2 7.9 -0.9 17.2 2 -2.8 29 9.6 12.6 158 157 30 6 18 17 0 0 0 0 3 0 5 6 - - 5 3.30 128 -																																		
Shanklin ... 99 55 10.2 4.6 7.4 - 16.7 2 -3.3 18 - - 166 141 26 6 18 17 2 0 0 0 3 0 5 - - 1 3.27 - -																																		
Sandown ... 99 4 11.0 (5.3) (8.1) (-0.6) 17.8 3 -1.7 18 - - 148 156 24 6 17 16 0 0 1 0 2 0 4 - - - 3.19 - -																																		
Ryde ... 99 5 10.6 5.1 7.9 -0.6 17.2 2 -2.2 18 - - 133 144 25 6 16 13 1 0 3 0 3 0 3 - - 10 3.10 135 -																																		
Wiltshire																																		
Lacock ... 99 49 8.9 -0.9 4.0 - 16.7 3 -10.0 30 - - 100 130 22 15 14 13 - 0 - - - 0 14 15 - - - -																																		
West Lavington 99 93 -																																		
Lyneham ... 21-9 145 8.3 2.7 5.5 -1.1 15.8 2 -5.5 30 - - 74 99 16 11 14 13 3 0 3 0 3 0 9 17 14 0 3.22 - -																																		
Larkhill ... 99 132 8.7 1.9 5.3 -1.2 16.8 2 -5.5 29 - - 105 132 29 14 18 13 1 0 1 0 1 0 9 14 14 0 - -																																		
Boscombe Down 21-9 126 8.8 2.3 5.5 -1.3 17.6 2 -5.3 29 - - 110 135 31 14 17 14 3 0 1 0 1 0 11 19 14 1 2.84 137 -																																		
Upavon ... 21-9 176 8.1 2.1 5.1 - 17.1 2 -5.1 29 - - 65 79 28 14 17 14 5 0 1 0 1 1 9 20 12 0 - -																																		
Porton 99 111 8.9 1.6 5.3 -1.2 17.4 2 -6.1 18,29 7.2 - 106 125 27 6 17 13 - 0 - - - 0 11 17 - - 2.88 134 -																																		
7a. ENGLAND, N.W.																																		
Cumberland																																		
Sellafield ... 99 13 (8.6) (2.4) (5.5) - 14.4 1,2 -2.8 26 - - 168 150 26 3 22 18 - 3 - - - 0 6 12 - - 2.49 - -																																		
Carlisle 21-9 26 6.8 1.5 4.1 - 17.1 2 -5.0 29 - - 138 - 23 11 22 17 9 1 2 0 0 0 14 18 16 0 2.41 - -																																		
Newton Rigg 99 171 6.7 0.0 3.3 -2.3 15.0 2 -6.7 18 (7.5) - 175 206 27 11 26 17 - 8 - - - 0 18 23 - - 2.04 128 S																																		
Spadeadam 99 274 4.5 -0.9 1.8 - 12.8 2 -7.8 29 5.3 (7.9) 173 - 28 11 25 22 15 9 2 1 0 2 18 22 - 1 1.82 - -																																		
Westmorland																																		
Ambleside ... 99 46 7.3 (1.2) (4.3) - 15.6 2 -5.0 18 - - 249 120 28 8 24 20 5 2 0 0 0 1 17 - - 0 - - S																																		
Great Dun Fell 21-9 847 0.3 -3.2 -1.5 - 9.9 2 -9.8 28 - - - - - - - - - - 23 28 - - - -																																		
Moor House ... 99 556 3.1 -2.3 0.4 - 11.7 2 -8.3 18,23,30 4.2 - 350 177 42 20 27 25 - 21 - - - 6 24 25 - - 1.08 - -																																		
Lancashire																																		
Squires Gate ... 21-9 10 8.3 3.4 5.9 -1.5 15.5 2 -4.4 30 - - 161 187 36 3 22 18 3 1 0 5 2 0 7 14 12 2 2.60 149 -																																		
Aigburth ... 99 14 8.6 3.6 6.1 - 15.8 2 -0.5 18 7.1 12.4 167 - 37 3 20 19 1 1 0 1 0 1 4 11 - 1 2.80 - -																																		
Southport ... 99 5 8.6 2.4 5.5 - 16.1 2 -3.9 30 6.1 11.3 154 175 38 3 23 21 - 1 - - - 0 10 15 - - 2.85 - -																																		
Poulton-le-Fylde 99 12 9.1 (3.1) (6.1) - 15.6 2 -2.8 18 - - 159 169 38 3 20 19 1 0 1 0 1 0 5 - - 0 - -																																		
Grizedale ... 99 91 (7.2) (0.1) (3.7) - 13.9 2 -6.1 27 6.5 - 253 - 26 14 (25) (22) - 6 - - - 1 18 20 - - - - S																																		
Speke ... 21-9 22 8.2 3.4 5.8 - 16.5 2 -2.5 30 - - 170 226 37 3 20 19 6 1 7 0 1 0 8 11 11 1 3.03 - -																																		
Kirkham ... 99 24 8.1 2.0 5.1 - 15.6 2 -5.0 30 - - 175 186 36 3 22 19 2 1 1 4 2 1 11 17 - 0 2.66 - -																																		
Garstang ... 99 21 -																																		
Bailrigg ... 99 54 8.0 (2.0) (5.0) - 14.6 2 -4.2 30 - - 179 - 35 3 21 19 - 0 - - - 0 9 16 - - 2.26 - -																																		
Morecambe ... 99 7 7.7 2.8 5.3 -1.8 14.4 2 -2.2 18,30 - - 158 161 32 3 21 20 0 0 0 1 0 0 6 - - 1 2.39 134 -																																		
Penketh ... 99 15 -																																		
Preston ... 99 33 7.9 2.1 5.0 - 16.7 2 -3.9 18,30 - - 175 177 34 3 22 20 3 1 1 1 2 4 9 15 - 0 - -																																		
Bolton ... 99 107 (7.2) 1.5 (4.3) - 15.6 2 -4.4 18 7.4 - 209 - 28 3 24 22 - 0 - - - 1 12 18 - - 2.50 - -																																		
Stonyhurst 99 115 (7.6) 1.3 (4.5) (-1.8) 15.6 2 -4.4 18,30 - - 202 168 33 3 23 21 - 2 - - - 5 9 - - - 2.49 156 -																																		
Manchester/W. Centre -																																		
Helmshore ... 99 260 5.8 (0.9) (3.3) - 13.9 2 -4.4 29 6.3 - 246 152 44 2 23 20 - 4 - - - 5 11 22 - - 2.58 - -																																		
Burnley ... 99 200 6.7 (0.6) (3.7) - 14.4 2 -6.1 30 7.5 (9.3) 185 - 29 3 22 19 7 1 0 0 0 1 13 19 - 0 (2.12) - -																																		
Nelson 99 165 -																																		
Rochdale ... 99 110 7.0 1.0 4.0 - 15.0 2 -5.6 30 - - 191 159 26 3 24 20 3 2 3 0 1 3 12 22 - 0 - - S																																		
Cheshire																																		
West Kirby Park 99 8 9.0 3.3 6.1 - 17.2 2 -3.3 30 - - 177 - 46 3 19 16 - - - - - 5 13 - - 2.65 - -																																		
Bidston 99 60 8.1 3.7 5.9 -1.3 15.5 2 -0.2 28 - - 166 234 43 3 21 17 - - - - - 1 1 - - 2.74 159 -																																		
Ness Gardens ... 99 55 8.4 2.8 5.6 - 16.1 1 -1.7 30 - - 177 - 42 3 17 16 3 0 2 0 0 1 3 14 - 1 2.60 - -																																		
Winnington ... 99 20 8.8 2.8 5.8 - 16.7 2 -3.9 30 - - 151 204 27 3 20 16 1 0 1 0 0 0 6 14 - 0 2.50 - -																																		
Knutsford ... 99 65 7.9 1.6 4.7 - 16.2 3 -5.0 30 6.7 10.3 154 190 28 3 22 19 - 1 - - - 9 19 - - - -																																		
Ringway 99 76 7.5 2.7 5.1 -1.6 16.0 3 -4.5 30 - - 137 177 26 3 20 18 8 1 2 0 0 0 8 13 11 0 2.67 185 -																																		
Macclesfield ... 99 152 6.9 1.4 4.1 -2.0 15.0 2 -6.1 30 - - 153 176 35 3 20 20 6 5 2 0 1 0 9 - - 0 - -																																		
7b. NORTH WALES																																		
Flint																																		
Rhyl ... 99 9 9.1 3.6 6.3 -1.6 17.2 2 -3.3 30 - - 162 249 45 3 21 15 2 0 0 2 0 0 5 8 - 3 2.41 132 -																																		
Prestatyn ... 99 4 9.2 (3.9) (6.5) - 17.8 2 -0.5 30 - - 186 266 48 3 19 16 2 0 5 0 0 0 1 - - 0 2.23 131 -																																		
Hawarden Bridge 99 5 8.8 (3.2) (6.0) (-1.3) 16.7 1 -3.3 30 - - 184 263 43 3 17 15 2 - 0 0 0 2 3 - - 0 - -																																		
Anglesey																																		
Valley 99 10 8.8 4.8 6.8 -1.9 15.4 2 -3.9 30 - - 186 205 30 3 25 20 4 2 6 0 2 0 5 11 8 7 2.20 113 -																																		
Denbigh																																		
Colwyn Bay ... 99 36 8.9 4.2 6.5 -1.8 16.7 2 0.6 30 8.8 - 187 253 55 4 19 16 2 0 0 2 0 0 0 - - 3 2.07 121 S																																		
Alwen ... 99 335 6.3 0.3 3.3 - 12.8 2,3 -7.8 30 - - 215 166 39 3 22 19 - - - - - 16 20 - - - -																																		
Ruthin ... 99 76 8.4 1.0 4.7 - 15.6 1,2,3 -6.7 30 - - 180 - 48 3 19 13 - 3 - - - 0 14 - - - 2.43 - -																																		
Loggerheads ... 99 210 7.2 0.7 3.9 - 14.4 2 -6.7 30 6.4 9.3 209 - 50 3 23 18 3 4 3 1 0 2 13 15 - 0 2.06 - S																																		
Bwlchgywn ... 99 386 5.6 0.4 3.0 - 12.8 2 -4.4 30 6.3 - 195 169 43 3 21 17 3 5 0 0 0 2 12 15 - 1 - -																																		
Wrexham 99 84 -																																		
Caernarvon																																		
Bardsey Island 21-9 18 9.6 6.7 8.1 - 15.2 2 0.5 29 - - 181 - 27 3 22 19 - 0 - - - 0 0 2 3 - - -																																		
Botwnnog ... 99 34 9.2 3.1 6.1 - 15.6 2 -3.9 30 8.6 11.4 227 - 37 16 22 21 1 3 4 0 1 0 4 11 - 0 2.56 - -																																		
Bryn Adda ... 99 84 8.0 3.7 5.9 - 14.4 1,2 -2.2 15 - - 210 165 37 3 23 22 2 0 1 6 0 0 5 - - 0 1.72 - -																																		
Aber ... 99 18 -																																		
Merioneth																																		
Trawsfynydd ... 99 186 7.8 2.7 5.3 - 13.9 2 -2.8 30 - - 215 - 44 10 27 23 - 4 - - - 0 9 15 - - - -																																		
Corwen ... 99 144 7.7 0.8 4.3 - 14.4 2 -11.1 30 - - 191 167 30 16 23 16 6 5 9 2 0 - 15 19 - 0 - - S																																		
Montgomery																																		
Ceinws ... 99 61 9.0 1.8 5.4 - 15.6 2 -6.7 30 - - 323 - 51 10 25 23 - - - - - 0 9 25 - - - -																																		
Moel Cynnedd ... 99 358 6.5 0.4 3.5 - 12.5 2 -8.0 30 - - 302 - 43 10 26 26 6 - 1 0 0 - 16 19 - 0 - - -																																		
Lake Vyrnwy ... 99 303 6.4 1.3 3.9 - 13.3 2 -4.4 30 6.8 - 260 147 51 13 25 21 7 8 1 0 0 0 11 18 - 0 - - -																																		



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS

NOVEMBER, 1969

DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Max. Min.	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE					
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-40 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1911-50 average	Most in a day	Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost† below 0°C	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure				
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date																					Amount (mm)	Date		
														30 cm.	122 cm.																				
8a. SOUTH WALES.																																			
Cardigan																																			
Aberporth ...	21-9	133	8.5	4.6	6.5	-1.6	14.5	3	-3.1	30	-	-	146	123	33	10	24	19	4	2	5	2	1	0	3	3	3	3	1.53	-	-	-	-	-	
Gogerddan ...	9 9	31	9.6	3.1	6.3	-	15.6	2	-6.7	29	-	-	153	150	35	10	22	21	2	3	3	0	1	0	7	15	-	0	1.84	-	-	-	-	-	
Swyddffynnon ...	9 9	165	8.5	2.2	5.3	-	13.9	1,2,3	-7.8	30	-	-	152	117	29	10	19	19	-	2	-	-	-	0	8	15	-	0	1.84	-	-	-	-	-	
Trawscoed ...	9 9	61	8.3	2.4	5.3	-	15.0	1,2,3	-7.8	29	9.9	-	165	149	37	10	22	21	0	0	0	0	0	0	9	15	-	0	1.34	-	-	-	-	-	
Llety-evan-hen ...	9 9	290	7.1	2.5	4.8	-	12.8	2,3	-3.3	26,29,30	-	-	189	130	38	10	24	23	3	2	5	0	0	0	8	13	-	0	1.96	119	-	-	-	-	
Cwmystwyth ...	9 9	301	7.3	1.3	4.3	-	13.3	2	-7.8	30	-	-	211	-	36	10	24	24	-	3	-	-	-	12	15	-	-	-	-	-	-	-	-		
Pembroke																																			
Dale Fort ...	9 9	33	10.4	5.9	8.1	-	15.6	2,3	0.0	25	8.8	-	147	-	20	10	24	20	1	0	4	0	0	0	0	5	-	4	1.90	-	-	-	-	-	
Milford Haven C.B.*	21-9	37	-	5.8	-	-	15.1	3	-0.8	30	-	-	175	-	28	14	25	20	1	1	4	0	2	0	1	9	4	-	-	-	-	-	-	-	
Brawdy ...	9 9	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Orielton ...	9 9	61	10.0	3.8	6.9	-	14.4	1,2,3	-3.9	30	9.8	-	177	-	26	10	23	20	2	1	1	0	0	0	5	17	-	1	-	-	-	-	-	-	
Haverfordwest ...	9 9	8	9.9	3.4	6.7	-	15.6	2,3	-5.0	30	-	-	200	-	33	10	25	22	4	-	0	0	0	0	6	-	-	0	2.01	-	-	-	-	-	
Carmarthen																																			
Carmarthen ...	9 9	15	9.3	2.2	5.7	-	15.6	2	-10.0	30	9.7	-	173	-	45	10	21	19	3	2	4	0	1	0	9	14	-	0	2.57	-	-	-	-	-	
Cenarth Mill ...	21-9	282	6.8	1.7	4.3	-	14.0	2	-7.9	30	-	-	162	-	35	10	23	19	-	4	-	-	-	1	12	15	-	-	-	-	-	-	-	-	
Radnor																																			
Llandrindod Wells	9 9	235	7.7	1.2	4.5	-1.5	15.0	2	-5.6	30	8.0	-	143	127	23	10	22	18	4	0	0	0	0	0	13	-	-	0	1.38	91	5	-	-	-	
Brecknock																																			
Llwynon ...	9 9	262	7.7	1.1	4.4	-	13.9	2	-6.1	29	-	-	186	-	43	11	25	21	1	1	0	0	0	0	10	-	-	0	-	-	-	-	-	-	
Glamorgan																																			
Mumbles ...	21-9	36	9.7	4.8	7.3	-	15.8	2	-1.7	29	-	-	-	-	-	-	-	-	2	1	3	0	2	0	4	7	3	7	-	-	-	-	-	-	
Penmaen ...	9 9	82	9.6	3.9	6.7	-	15.0	2,3	-4.4	30	9.6	11.2	134	-	15	8	24	20	2	2	0	3	1	0	5	13	-	0	-	-	-	-	-	-	
Swansea ...	9 9	8	9.9	4.2	7.1	-1.5	15.6	2	-2.2	29,30	8.3	12.3	143	119	20	11	26	19	0	2	0	0	0	0	4	-	-	0	2.46	126	5	-	-	-	
Port Talbot ...	9 9	7	10.3	4.5	7.4	-	15.6	1,2,3	-3.3	29	-	-	137	116	24	11	21	16	1	1	0	0	0	0	4	11	-	-	2.94	-	-	-	-	-	
Neath ...	9 9	62	9.6	4.1	6.9	-	15.6	2,3	-2.8	29,30	-	-	151	110	29	11	23	19	1	2	3	0	1	0	3	12	-	0	-	-	-	-	-	-	
Rhose ...	21-9	67	9.4	4.1	6.7	-	16.6	3	-4.5	29	-	-	97	100	32	8	17	15	3	0	8	0	3	0	6	10	2	2.82	140	-	-	-	-	-	
Cardiff ...	9 9	62	10.1	3.7	6.9	-0.7	16.1	2,3	-2.8	29	9.8	12.0	108	96	22	8	19	15	1	-	0	0	0	0	3	20	-	-	-	-	-	-	-	-	
Monmouth																																			
Tredegar ...	9 9	313	7.5	(1.7)	(4.6)	-	(14.4)	(1)	-5.0	30	-	-	180	99	41	11	21	18	5	0	0	0	0	4	9	-	-	3	-	-	-	-	-		
Newport ...	9 9	23	9.7	3.1	6.4	-0.9	16.1	2	-5.0	29	-	-	112	107	23	11	16	14	1	0	0	0	1	0	5	14	-	0	3.17	-	-	-	-	-	
Usk ...	9 9	21	(9.2)	2.3	(5.7)	-	16.1	1,2	-6.1	30	7.8	-	135	127	48	3	15	13	-	0	-	-	-	4	10	14	-	-	2.92	-	-	-	-	-	
Crumbland ...	9 9	245	7.8	2.0	4.9	-	13.9	2,3	-4.4	29	7.3	10.1	104	96	25	11	15	13	0	0	0	0	0	1	9	14	-	0	2.94	-	-	-	-	-	
8b. ENGLAND, S.W.																																			
Somerset																																			
Hawkrigde ...	9 9	314	7.6	2.4	5.0	-	13.9	2	-7.7	25,27	-	-	173	99	38	6	26	19	4	2	2	2	2	3	6	19	-	0	2.62	-	-	-	-	-	
Williton ...	9 9	96	9.8	2.8	6.3	-	16.7	2	-5.6	30	-	-	159	-	38	6	21	16	2	0	3	0	0	1	5	20	-	1	-	-	-	-	-	-	
Cannington ...	9 9	29	9.9	4.0	6.9	-	16.7	2,3	-2.8	30	9.9	-	117	144	34	6	19	13	0	-	2	0	0	0	2	9	-	0	2.72	133	-	-	-	-	
Weston-super-Mare	9 9	9	10.1	4.6	7.3	-0.8	16.1	3	-1.7	30	-	-	115	137	18	6	19	15	0	0	1	0	1	0	1	10	-	4	2.76	136	-	-	-	-	
Crickett Malherbie	9 9	76	9.9	3.0	6.5	-	16.7	2	-3.9	30	-	-	130	-	35	6	22	13	0	-	0	0	0	0	6	13	-	0	-	-	-	-	-	-	
Cheddar ...	9 9	11	(10.1)	2.4	(6.3)	-	16.7	3	-3.3	27	8.7	-	105	-	19	6	22	16	-	0	-	-	-	-	4	-	-	-	-	-	-	-	-	-	
Yeovilton ...	21-9	18	9.8	3.2	6.5	-	17.4	3	-7.2	29	-	-	119	-	26	6	19	13	1	0	0	1	1	0	11	13	12	2	-	-	-	-	-	-	
Rodney Stoke ...	9 9	40	10.1	2.3	6.2	-	16.7	2	-3.3	27	9.4	12.1	112	-	26	6	18	17	-	0	-	-	-	0	7	16	-	-	-	-	-	-	-	-	
Long Ashton	9 9	49																																	



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS NOVEMBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE				
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	127 cm.	Total fall (mm.)	Percentage of 1916-50 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost† below 0°C	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date															
9. NORTHERN IRELAND																																
Londonderry																																
Loughmore Forest	99	174	6.2	3.5	4.9	-	13.8	1,2	-3.6	14	-	-	187	-	49	21	30	23	11	7	1	0	1	2	18	23	-	2	-	-	-	
Ballykelly	21-9	2	7.7	2.5	5.1	-2.0	15.8	2	-3.7	16	7.0	10.9	127	141	29	21	26	17	9	1	3	4	2	0	9	17	15	1	1.59	78	-	
Derrynoyd Forest	99	88	7.1	1.2	4.1	-	14.6	2	-2.9	14	-	-	147	-	31	21	23	19	6	4	0	0	0	12	25	-	-	-	-	-	-	
Somerset Forest	99	43	7.6	1.5	4.5	-	15.4	2	-2.5	16	-	-	137	-	21	21	25	17	0	0	1	0	0	1	9	22	-	-	-	-	-	
Coleraine	99	99	7.9	1.6	4.7	-	15.6	2	-2.8	26	7.1	9.9	152	-	32	21	26	21	7	0	10	2	3	1	11	20	-	1	1.87	-	-	
Garvagh Forest	99	91	7.3	1.1	4.2	-	15.6	2	-2.8	14,16	7.4	11.6	138	-	21	8	26	22	6	1	6	0	1	0	15	20	-	-	-	-	-	
Moneydig	21-9	34	7.5	1.4	4.5	-2.0	15.9	2	-4.4	14	7.6	-	112	105	21	8	23	16	6	3	7	4	1	3	14	21	17	0	-	-	-	
Antrim																																
Portrush Golf Club	99	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ballymoney	99	55	7.6	0.9	4.3	-	15.4	2	-4.0	14	-	-	117	-	23	21	23	22	7	-	0	3	0	0	14	-	-	-	-	-	-	-
Lisnafillan	99	38	7.6	0.2	3.9	-	15.0	2	-4.4	14,26	-	-	105	-	28	21	24	19	3	3	0	1	0	2	18	24	-	-	1.90	-	-	-
Aldergrove	21-9	69	6.9	1.4	4.1	-2.5	14.9	2	-3.8	26	7.0	10.7	91	100	44	21	18	13	7	2	5	0	0	2	13	20	17	0	2.06	116	-	-
Greenmount	99	32	7.7	0.4	4.1	-	15.0	2	-5.0	26	7.1	-	80	-	39	21	21	13	4	3	0	0	0	-	14	18	-	-	-	-	-	-
Altnahinch	99	226	5.7	0.7	3.2	-	13.9	2	-2.8	17,26	-	-	257	-	101	21	29	20	11	10	0	3	1	1	14	26	-	8	1.44	-	-	-
Parkmore Forest	99	235	5.8	0.4	3.1	-	13.3	1,2	-3.3	26	6.4	-	285	-	68	21	26	24	8	4	1	0	0	1	15	25	-	0	-	-	-	-
Black Mountain	21-9	295	5.2	0.2	2.7	-	13.2	2	-4.5	29	-	-	105	-	41	21	20	17	4	0	1	0	0	9	15	-	-	-	-	-	-	-
Lowtown	99	271	5.7	0.2	2.9	-	15.6	2	-3.3	17,28	-	-	203	-	101	21	25	21	8	4	0	0	0	7	18	22	-	1	1.67	-	-	-
Ballypatrick Forest	99	152	6.6	1.1	3.9	-	14.5	2	-3.4	26	-	-	212	-	41	21	27	21	5	2	8	0	3	1	9	19	-	2	1.35	-	-	-
Belfast, Malone*	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Newtownabbey	99	32	8.2	2.4	5.3	-	16.1	2	-1.7	16	7.6	-	82	-	29	21	19	15	5	2	3	1	0	1	7	18	-	1	2.38	-	-	-
Woodburn, North	99	217	6.1	0.7	3.4	-	13.9	2	-2.8	14,17,28	-	-	112	92	38	21	22	17	4	4	0	0	0	4	13	22	-	1	-	-	-	-
Larne	99	43	7.9	1.6	4.7	-	14.5	2	-2.3	16	-	-	102	91	33	21	23	16	3	1	0	1	0	0	6	-	-	-	-	-	-	-
Kilroot	99	22	8.0	2.1	5.1	-	15.6	2	-3.3	16	-	-	75	-	20	21	16	13	2	0	1	0	0	0	8	20	-	-	-	-	-	-
Ballylumford	99	24	8.1	2.4	5.3	-	15.0	2	-1.7	14	-	-	78	-	26	21	18	13	0	-	0	0	0	-	4	13	-	-	-	-	-	-
Down																																
Hillsborough	99	116	7.1	0.8	3.9	-2.5	15.0	2	-2.8	26	7.3	10.2	128	153	82	21	17	12	1	3	0	0	0	1	15	21	-	-	2.17	113	-	-
Kilkeel	21-9	18	8.4	2.6	5.5	-2.2	15.8	2	-1.8	14,17	-	-	75	-	41	21	17	11	1	1	0	0	0	0	7	14	14	0	2.85	-	-	-
Tollymore Park	99	76	7.8	1.8	4.8	-	16.1	2	-2.2	16,26,28	-	-	113	85	56	21	18	14	2	2	0	0	0	0	9	16	-	-	-	-	-	-
Rosetta	99	24	7.7	-0.5	3.6	-	16.1	2	-5.6	14	-	-	96	-	49	21	21	13	3	1	0	0	0	5	17	-	-	-	-	-	-	-
Murlough	99	9	8.5	0.8	4.7	-	17.8	2	-4.4	14	-	-	90	-	53	21	15	12	5	1	2	2	0	0	14	23	-	1	2.78	-	-	-
Stormont Castle	99	56	7.7	1.6	4.7	-	15.6	2	-1.7	16,17,29	6.4	10.1	75	85	39	21	19	14	4	3	1	3	0	9	9	24	-	1	2.49	-	-	-
Downpatrick	99	36	7.9	1.4	4.7	-	16.1	2	-3.3	16	-	-	81	-	47	21	14	9	-	-	-	-	-	0	11	22	-	-	-	-	-	-
Creighton's Green	99	119	7.1	1.7	4.4	-	15.0	2	-2.8	16	-	-	63	-	29	21	19	8	1	2	4	0	0	0	10	19	-	1	-	-	-	-
Reagh Island**	99	12	8.4	1.9	5.1	-	16.1	2	-2.8	26	-	-	66	-	35	21	16	11	-	-	-	-	-	0	6	17	-	-	2.46	-	-	-
Helen's Bay	99	43	7.4	2.7	5.1	-	16.1	2	-1.1	16	-	-	56	-	18	21	16	11	2	2	3	2	0	1	3	17	-	2	2.60	-	-	-
Killough	21-9	15	8.1	2.4	5.3	-	15.4	2	-2.0	26	-	-	90	-	44	21	13	10	6	1	0	0	0	0	8	16	-	4	-	-	-	-
Ballyhalbert	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.07	-	-	-
Armagh																																
Armagh	99	62	7.2	0.9	4.1	-2.7	15.0	2	-2.8	14	7.8	10.7	128	173	77	21	21	12	4	3	0	0	0	2	15	25	-	0	2.05	105	-	-
Loughgall	99	25	7.7	0.7	4.2	-	15.6	2	-3.9	14,15,25	-	-	125	181	83	21	16	11	5	3	0	0	0	1	17	26	-	0	2.42	-	-	-
Glenanne	21-9	134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bessbrook	-	76	-	-	-	-	-	-	-	-	-	-	87	92	40	21	17	9	-	-	-	-	-	-	-	-	-	-	2.49	123	-	-
Portadown	99	16	7.8	0.9	4.3	-	15.6	2	-3.3	14,15,26	7.3	11.1	120	-	75	21	19	10	3	-	0	0	0	-	13	22	-	0	-	-	-	-
Lurgan	99	55	7.6	0.7	4.1	-	15.6	2	-4.4	14,26	6.9	10.8	121	-	73	21	20	10	-	-	-	-	-	-	14	23	-	-	2.41	-	-	-
Tyrone																																
Lough Bradan	99	169	6.4	0.8	3.6	-	13.9	1,2	-3.3	15	-	-	218	-	41	21	26	22	-	7	-	-	-	2	12	23	-	-	1.60	-	8	S
Baronscourt Forest	99	88	7.2	1.2	4.2	-	14.6	2	-2.2	15	-	-	124	-	16	7	24	21	3	3	0	0	1	0	12	24	-	-	-	-	-	-
Strabane Convent	99	44	7.6	1.5	4.5	-	15.1	2	-2.8	28	-	-	140	-	41	21	27	22	4	1	1	0	1	2	10	23	-	0	1.30	-	-	-
Carrigans	21-9	113	7.0	1.5	4.3	-	14.5	2	-2.5	15	-	-	190	-	55	21	27	20	12	6	6	0	1	1	12	22	18	0	-	-	-	-
Lislag Forest	99	209	6.1	-0.9	2.6	-	13.3	1,2	-5.0	15	-	-	145	112	28	21	25	21	5	4	0	0	0	1	22	26	-	1	-	-	-	-
Knockmany Forest	99	73	7.3	-0.8	3.3	-	14.8	2	-4.7	14	-	-	170	-	70	21	25	18	3	3	0	0	0	2	24	26	-	-	-	-	-	-
Pomeroy Forest	99	165	6.6	0.3	3.5	-	13.9	2	-4.2	14	-	-	165	-	75	21	23	18	7	5	0	0	0	3	17	26	-	3	-	-	-	-
Cookstown	99	77	7.2	0.9	4.1	-	15.0	2	-3.9	14	-	-	123	133	58	21	22	15	4	-	0	0	0	3	13	22	-	-	2.06	-	-	-
Fermanagh																																
Roscor	99	143	7.1	1.7	4.4	-	14.8	2	-2.5	15	-	-	210	168	40	21	28	23	6	2	3	0	1	1	10	22	-	-	-	-	-	-
Lough Navar Forest	99	148	td																													



\* See Notes on Tables in the Introduction.



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS NOVEMBER, 1969

[illegible]



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS NOVEMBER, 1969

[illegible]



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS NOVEMBER, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)									VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION														
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-10 m.	40-100 m.	200-300 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
																									8 or more	6, 7	4, 5	1-3	Calm												
																																						SPEED IN KNOTS			
																																						22-33	11-21	1-10	0
Number of Observations																																									
4. MIDLAND COUNTIES - contd.																																									
Little Rissington [Gloucester]																																									
229	3	1006.2	-	4.1	0.7	7.5	88	5.4	5	4	4	8	8	1	0	0	0	1	0	1	11	6	5	6	0	0	3	13	14	0	2	0	2	1	3	13	3	6			
	9	1006.7	-7.0	4.0	0.7	7.5	89	5.7	0	6	4	11	8	1	0	2	0	0	1	1	11	8	2	5	0	0	1	14	15	0	5	1	1	5	9	5	6				
	15	1006.4	-	6.3	1.5	7.7	87	5.6	0	6	5	13	5	1	0	0	1	0	0	1	9	4	10	5	0	0	6	11	13	0	2	1	0	2	8	9	6				
	21	1007.3	-	4.3	0.9	7.4	85	4.5	6	6	1	11	6	0	0	0	0	0	1	1	7	6	10	5	0	0	3	8	19	0	1	1	1	3	2	11	6	5			
5. ENGLAND, S.E.																																									
Heathrow [Greater London]																																									
26	3	1006.3	-	5.9	1.1	8.0	84	5.2	3	4	5	13	5	0	0	0	0	0	0	2	7	9	12	0	0	0	1	14	14	1	1	1	3	1	5	9	5	4			
	9	1006.5	-	5.9	1.0	8.1	84	5.8	0	5	2	18	5	0	0	0	0	0	1	2	8	12	7	0	0	0	0	17	13	0	2	1	1	3	6	9	4	4			
	15	1006.4	-	8.4	2.1	8.2	73	5.9	1	5	1	15	8	0	0	0	0	0	0	2	8	11	9	0	0	0	3	16	11	0	0	2	0	1	5	6	7	9			
	21	1007.3	-	6.1	1.1	8.1	83	4.8	6	4	3	10	7	0	0	0	0	0	2	4	11	7	6	0	0	0	0	14	16	0	1	2	2	1	6	10	5	3			
Kew [Greater London]																																									
10	9	1006.8	-7.3	6.0	1.1	8.2	84	5.9	0	4	5	11	10	0	0	0	1	0	2	12	9	5	1	0	0	0	0	17	13	3	3	0	2	0	3	12	4	3			
	15	1006.7	-	8.4	2.4	8.0	70	5.8	0	4	5	15	6	0	0	0	0	0	0	10	9	8	3	0	2	0	0	11	17	0	0	1	1	1	4	8	8	9			
	21	1007.6	-	5.9	1.3	8.0	83	4.1	6	3	10	7	4	0	0	0	1	2	1	3	8	10	5	0	0	0	0	10	18	2	2	1	2	0	4	14	3	2			
59 Gatwick [Surrey]																																									
	3	1006.9	-	5.0	0.7	8.1	88	5.3	4	4	2	13	7	0	0	0	1	2	0	4	8	12	3	0	0	0	1	7	17	5	2	0	3	1	1	8	6	4			
	9	1007.1	-	5.3	0.7	8.3	88	5.5	0	8	2	11	9	0	0	0	0	0	3	1	10	11	5	0	0	0	0	10	17	3	1	1	2	0	2	10	5	6			
	15	1007.0	-	8.0	1.7	8.5	77	5.9	1	4	3	13	8	1	0	0	0	0	1	2	4	12	11	0	0	0	2	9	19	0	3	1	0	1	4	5	9	7			
	21	1008.0	-	5.2	0.7	8.2	88	5.1	5	4	2	10	9	0	0	0	0	1	6	12	8	3	0	0	0	0	0	11	15	4	2	2	0	3	9	6	2				
Dungeness [Kent]																																									
7	3	1006.4	-	7.8	1.0	9.6	87	5.6	6	0	4	5	15	0	0	0	0	0	0	3	6	21	0	2	7	7	14	0	9	3	1	0	4	6	6	1	0				
	9	1006.5	-	7.5	0.8	9.6	88	5.8	0	3	9	8	10	0	0	0	0	0	0	6	9	15	0	3	6	11	9	1	4	3	2	1	3	5	11	0	0				
	15	1006.4	-	9.2	1.4	9.7	81	5.7	0	3	7	11	9	0	0	0	0	0	0	4	10	15	1	2	10	8	10	0	5	2	2	0	6	1	11	3	0				
	21	1007.3	-	7.6	1.1	9.3	85	4.9	7	2	4	7	10	0	0	0	0	0	0	6	6	18	0	3	5	9	12	1	8	2	1	0	6	2	10	0	0				
Deal [Kent]																																									
10	3	1006.5	-	7.1	1.1	8.8	84	4.9	6	3	4	7	10	0	0	0	0	0	1	2	16	10	1	0	2	14	14	0	0	2	0	1	2	7	12	6	0				
	9	1006.5	-	7.3	1.1	8.9	84	6.2	0	2	5	16	7	0	0	0	0	0	2	2	10	11	5	0	0	3	14	13	0	3	0	1	2	0	8	12	4				
	15	1006.5	-	8.4	1.7	8.8	78	6.1	1	2	5	12	10	0	0	0	0	0	1	8	16	5	0	0	2	14	13	1	1	0	0	3	4	12	8	0	0				
	21	1007.3	-	7.1	1.2	8.7	84	4.1	9	3	4	7	7	0	0	0	0	0	0	5	21	4	0	0	3	17	10	0	1	1	0	0	4	6	12	6	0				
Manston [Kent]																																									
15	3	1006.4	-	6.3	0.9	8.5	86	5.2	3	3	8	11	5	0	0	0	0	0	1	3	11	11	4	0	3	15	11	1	1	2	0	2	3	11	6	4	0				
	9	1006.5	-	6.8	0.9	8.9	87	6.3	0	3	3	18	6	0	0	0	0	0	0	10	8	7	5	0	4	15	11	0	3	0	3	0	2	14	3	5	0				
	15	1006.3	-	8.2	1.6	8.7	79	5.8	0	6	3	14	7	0	0	0	0	0	1	6	7	12	4	0	5	16	8	1	1	1	0	0	7	4	8	8	0				
	21	1007.3	-	6.3	0.9	8.5	85	5.5	5	1	4	10	10	0	0	0	0	0	0	2	13	12	3	0	2	19	8	1	3	1	0	0	6	6	9	4	0				
Thorney Island [Sussex]																																									
4	3	1007.1	-	7.0	1.0	8.9	85	5.4	4	3	3	12	8	0	0	0	0	0	0	10	3	17	0	0	3	14	12	1	4	1	3	0	2	6	9	4	0				
	9	1007.5	-6.9	6.7	0.9	8.8	86	5.6	0	5	6	11	8	0	0	0	0	0	0	6	7	15	1	0	3	17	9	1	3	4	2	0	2	3	10	5	0				
	15	1007.6	-	9.0	2.1	8.6	72	5.8	0	6	3	14	7	0	0	0	0	0	0	4	5	14	7	0	4	18	8	0	4	1	0	3	4	9	6	0	0				
	21	1008.4	-	7.0	1.2	8.7	83	4.7	6	2	8	6	8	0	0	0	0	0	1	2	11	5	9	2	0	3	13	14	0	3	1	1	1	4	7	10	3	0			
East Hoathly [Sussex]																																									
41	9	1007.0	-	6.0	0.9	8.6	86	5.7	1	6	2	11	10	0	0	0	1	0	2	9	8	10	0	0	0	11	18	1	3	0	3	0	4	3	14	2	0				
	15	1007.1	-	8.3	1.6	8.7	77	5.8	0	5	5	12	8	0	0	0	0	0	3	6	9	12	0	0	3	9	17	1	4	1	1	0	6	3	9	5	0				
	21	1007.4	-	5.7	0.8	8.4	88	5.0	4	7	0	8	11	0	0	0	0	0	0	2	9	6	12	1	0	0	12	16	2	4	1	4	1	4	4	9	1	0			
Eastbourne C.G. [Sussex]																																									
7	9	1006.6	-7.9	7.4	1.1	9.2	85	6.0	0	3	7	8	12	0	0	0	0	0	0	15	15	0	0	2	7	11	8	2	4	1	1	0	1	4	14	3	0				
	15	1005.9	-	9.5	1.7	9.5	79	6.0	0	2	5	9	6	0	0	0	0	1	1	10	10	0	0	5	6	6	5	0	5	0	0	0	5	3	9	0	0				
	21	1007.4	-	7.5	1.1	9.2	84	4.8	7	3	3	7	9	0	0	0	0	0	0	16	13	0	0	3	8	6	9	3	6	1	0	0	4	4	10	1	0				
Abingdon [Berkshire]																																									
71	3	1005.8	-	4.8	0.9	7.7	86	4.6	6	3	7	4	10	0	0	0	0	1	1	7	13	7	1	0	0	0	10	19	1	2	2	3	2	2	6	9	3	0			
	9	1006.4	-	5.0	0.9	7.8	86	5.9	0	4	4	16	6	0	0	0	0	1	4	10	10	5	0	0	0	9	21	0	4	1	3	3	2	9	5	3	0				
	15	1006.2	-	7.7	1.9	8.0	74	5.5	0	4	8	15	3	0	0	0	0	0	1	2	6	11	8	2	0	0	14	16	0	1	1	0	2	4	5	10	7	0			
	21	1007.0	-	5.0	1.0	7.7	84	4.3	6	7	1	10	6	0	0	0	0	0	1	11	12	5	1	0	0	8	22	0	1	2	2	1	3	10	6	5	0				
Hurn [Hampshire]																																									
14	3	1006.8	-	6.0	0.9	8.5	86	5.2	5	3	3	10	9	0	0	0	1	1	0	7	17	4	0	0	0	12	13	5	4	0	2	2	1	9	6	1	0				
	9	1007.4	-	6.1	0.9	8.5	86	5.4	0	5	7	13	5	0	0	0	0	0	0	10	11	7	2	0	2	14	11	3	5	2	1	1	3	3	9	3	0				
	15	1007.5	-	9.0	2.2	8.5	71	5.9	0	2	6	17	5	0	0	0	0	0	0	4	12	10	4	0	2	17	10	4	4	1	0	1	4	5	9	5	0				
	21	1008.1	-	6.0	1.0	8.3	85	4.7	5	4	7	6	8	0	0	0	0	0	2	10	14	4	0	0	0	8	17	5	2	1	2	1	3	8	6	2	0				
S. Farnborough [Hampshire]																																									
70	3	1006.8	-	5.3	0.9	8.0	86	5.0	6	3	2	15	4	0	0	0	0	0																							



Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)							VISIBILITY (Metres and Kilometres)								WIND SPEED AND DIRECTION																			
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-2	3-5	6-7	8	9	0-39 m.	40-100 m.	200-300 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
																									8 or more	4-7	4-5	1-3	Calms													
																																						SPEED IN KNOTS				
																																						24 or more	22-33	11-21	1-10	0
																																						Number of Observations				
Speke [Lancashire]	26	3	1004.7	-	5.3	0.9	7.9	86	5.3	1	6	6	11	6	0	0	0	0	0	1	4	5	10	10	0	0	1	12	16	1	8	1	2	1	6	3	6	2				
	9	1005.0	-	5.0	0.7	7.9	88	5.3	0	7	5	11	7	0	0	0	0	0	1	4	13	11	1	0	0	0	3	9	15	3	5	2	2	3	3	4	2	3				
	15	1004.9	-	7.2	1.5	8.1	78	5.3	0	8	3	14	5	0	0	0	0	0	5	9	9	5	2	0	0	0	3	15	12	0	4	2	1	4	2	13	3					
	21	1005.3	-	5.7	0.9	8.1	86	5.2	1	7	4	11	7	0	0	0	0	0	1	7	9	12	1	0	0	0	4	10	14	2	6	2	3	0	6	6	4	1				
Ringway [Cheshire]	76	3	1005.0	-	4.5	0.8	7.6	88	5.3	3	3	7	6	11	0	0	0	0	1	4	8	7	9	1	0	0	1	8	20	1	3	0	3	1	6	8	2					
	9	1005.4	-7.0	4.3	0.6	7.6	89	5.9	0	6	3	11	10	0	0	0	0	2	8	11	9	0	0	0	0	0	0	9	20	1	1	2	2	3	8	5	4					
	15	1005.1	-	6.7	1.6	7.8	78	5.5	0	7	3	12	8	0	0	0	0	0	4	10	13	3	0	0	0	0	3	14	12	1	2	2	1	1	3	3	10					
	21	1005.7	-	4.9	0.9	7.7	86	5.4	2	7	3	3	15	0	0	0	0	1	8	12	9	0	0	0	0	1	10	19	0	3	2	2	4	10	2	4	3					
7b. NORTH WALES	Valley [Anglesey]	11	3	1005.1	-	6.4	1.2	8.1	81	5.5	1	5	6	7	11	0	0	0	0	0	0	4	6	15	5	1	6	15	5	3	6	1	3	1	0	5	8	3				
		9	1005.5	-6.1	6.5	1.4	7.9	80	6.1	0	0	12	11	7	0	0	0	0	0	2	0	6	14	8	2	5	14	9	0	7	2	2	5	0	4	7	3					
		15	1005.4	-	7.8	1.7	8.3	77	6.4	0	2	4	18	6	0	0	0	0	0	1	2	7	8	12	2	5	16	7	0	4	2	4	1	2	3	12	2					
		21	1005.9	-	6.8	1.3	8.2	81	6.3	1	1	5	11	12	0	0	0	0	0	1	3	8	15	3	1	8	10	10	1	6	3	3	0	0	4	11	2					
Bardsey Island [Caernarvon]	19	3	1005.5	-	8.0	1.4	8.9	81	6.3	0	2	8	5	15	0	0	0	0	0	0	3	11	10	6	1	8	18	3	0	7	4	1	0	1	4	10	3					
	9	1005.6	-	8.0	1.4	8.8	80	6.3	0	0	8	15	7	0	0	0	0	0	0	2	2	14	12	2	7	15	4	2	4	3	3	0	5	2	8	3						
	15	1005.5	-	8.8	1.6	9.0	78	6.4	0	0	5	18	7	0	0	0	0	0	1	1	4	12	12	1	12	10	6	1	4	3	1	2	1	2	12	4						
	21	1006.1	-	8.4	1.4	9.1	80	5.9	1	0	12	8	9	0	0	0	0	0	0	0	5	4	15	6	1	8	16	4	1	3	5	2	1	1	3	10	4					
8a. SOUTH WALES	Aberporth [Cardigan]	134	3	1006.0	-	6.3	1.1	8.1	82	5.7	0	7	5	4	14	0	0	0	0	0	1	7	7	11	4	0	6	18	5	1	3	3	3	0	4	4	3	9				
		9	1006.4	-6.2	6.5	1.3	8.1	81	6.1	0	4	3	18	5	0	0	0	0	0	0	6	11	8	5	1	8	15	5	1	4	3	2	0	5	5	5	5					
		15	1006.4	-	7.4	1.5	8.2	78	6.6	0	0	3	22	5	0	0	0	0	1	0	6	11	6	6	0	6	15	8	1	1	3	2	2	4	3	9	5					
		21	1006.8	-	6.5	1.1	8.3	83	6.5	1	3	1	10	15	0	0	0	0	1	0	7	13	7	2	0	8	15	7	0	1	5	2	2	4	5	8	3					
Milford Have C.B. [Pembroke]	39	3	1006.5	-	7.6	1.4	8.6	81	5.4	2	3	7	9	9	0	0	0	0	0	0	10	13	7	0	0	1	18	10	1	4	4	0	0	1	9	4	7					
	9	1007.1	-	7.5	1.4	8.6	81	6.4	0	0	10	11	9	0	0	0	0	1	0	12	12	5	0	0	0	3	12	13	2	4	6	1	1	2	5	6	3					
	15	1007.1	-	9.0	1.8	8.9	75	6.4	0	0	8	15	7	0	0	0	0	0	0	11	12	7	0	0	0	4	12	13	1	1	1	2	3	4	10	5						
	21	1007.3	-	8.2	1.4	9.0	80	5.5	2	3	6	11	8	0	0	0	0	0	0	8	19	3	0	0	0	4	13	12	1	3	3	3	0	1	7	9	3					
Mumbles [Glamorgan]	37	3	1006.1	-	7.7	1.2	9.1	83	5.5	2	4	5	9	10	0	0	0	0	0	1	3	9	14	3	2	5	11	11	1	4	0	3	0	2	5	10	5					
	9	1006.8	-	7.3	1.4	8.5	80	5.8	0	3	6	15	6	0	0	0	0	0	1	7	8	12	2	1	5	11	12	1	5	2	1	0	5	3	11	2						
	15	1006.8	-	8.7	1.9	8.7	74	6.2	0	1	6	17	6	0	0	0	0	0	0	9	7	11	3	0	9	10	10	1	3	0	3	1	1	4	14	3						
	21	1007.1	-	7.7	1.4	8.8	81	5.4	2	4	5	10	9	0	0	0	0	0	0	0	13	14	3	0	8	9	12	1	5	0	4	0	1	4	10	5						
Rhoose [Glamorgan]	69	3	1006.3	-	6.5	1.0	8.5	85	5.8	3	4	2	6	15	0	0	0	0	0	0	5	13	10	2	0	3	14	11	2	4	1	2	0	3	6	8	4					
	9	1007.1	-6.8	6.1	1.0	8.2	84	5.4	0	8	1	15	6	0	0	0	0	0	1	3	15	5	6	0	2	13	14	1	7	1	0	2	4	2	7	6						
	15	1007.0	-	8.1	1.7	8.5	75	5.4	0	6	5	15	4	0	0	0	0	0	1	2	9	9	9	0	4	17	8	1	3	2	1	3	1	1	12	6						
	21	1007.5	-	6.4	1.1	8.5	84	5.2	2	5	5	11	7	0	0	0	0	0	0	3	14	11	2	0	2	15	11	2	4	3	0	3	1	4	8	5						
8b. ENGLAND, S.W.	Yeovilton [Somerset]	23	3	1007.4	-	6.2	1.1	8.3	84	6.0	4	3	1	7	14	1	0	0	1	0	5	18	6	0	0	5	8	12	5	2	1	2	0	3	11	2	4					
		9	1007.7	-	5.8	0.9	8.2	85	5.7	0	3	7	14	6	0	0	0	0	0	1	19	10	0	0	1	1	8	14	6	3	1	2	4	1	4	6	3					
		15	1007.9	-	9.0	2.2	8.4	71	5.7	0	3	9	12	6	0	0	0	0	0	1	12	15	2	0	1	1	9	18	1	3	1	2	1	2	6	8	6					
		21	1008.3	-	6.0	1.1	8.1	83	5.1	3	4	6	9	8	0	0	0	0	0	0	21	9	0	0	0	2	7	14	7	1	2	0	3	1	8	5	3					
Portland Bill [Dorset]	54	3	1006.6	-	8.8	1.3	9.7	83	5.5	2	5	5	9	9	0	0	0	0	0	0	1	17	11	1	3	12	12	3	0	6	1	1	1	1	4	12	4					
	9	1006.6	-	8.5	1.2	9.6	84	5.6	0	5	8	5	12	0	0	0	0	0	0	5	8	15	2	2	10	14	4	0	6	1	1	0	3	2	11	6						
	15	1007.2	-	9.3	1.9	9.1	74	5.9	0	5	5	10	10	0	0	0	0	0	0	5	5	15	5	1	16	8	5	0	9	0	1	1	3	1	10	5						
	21	1007.7	-	8.6	1.4	9.3	79	5.2	4	4	5	5	12	0	0	0	0	0	0	2	16	12	0	1	13	10	5	1	6	1	1	2	2	12	3							
Hartland Point [Devon]	93	3	1006.0	-	8.3	1.0	9.7	86	5.9	0	3	9	4	14	0	0	0	0	0	0	6	10	9	5	1	12	11	6	0	2	5	1	0	3	2	11	6					
	9	1006.8	-	8.1	1.3	9.0	82	6.2	0	3	5	15	7	0	0	0	0	0	0	1	10	12	7	3	10	13	4	0	5	4	1	3	2	3	7	5						
	15	1006.7	-	8.5	1.4	9.3	81	6.3	0	1	7	16	6	0	0	0	0	0	1	1	13	8	7	0	11	12	6	1	2	4	0	3	2	1	11	6						
	21	1006.9	-	8.1	1.2	9.2	83	5.5	2	4	7	9	8	0	0	0	0	0	0	1	11	14	4	2	10	13	5	0	4	3	2	0	4	5	7	5						
Mount Batten [Devon]	30	3	1007.7	-	7.6	0.9	9.4	87	5.4	3	3	6	9	9	0	0	0	0	0	1	5	18	6	0	0	6	12	11	1	3	5	2	1	1	3	10	4					
	9	1008.5	-5.5	7.6	1.0	9.3	86	5.7	0	4	5	17	4	0	0	0	0	1	0	9	9	9	2	0	3	16	10	1	5	1	3	2	2	2	10	4						
	15	1008.5	-	9.1	1.7	9.2	77	5.7	0	6	3	14	7	0	0	0	0	0	0	4	13	13	0	0	3	15	12	0	8	0	1	2	3	3	11	2						
	21	1008.8	-	7.6	1.0	9.3	86	5.0	4	5	3	9	9	0	0	0	0	0	1	15																						



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS NOVEMBER, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Okta)						VISIBILITY (Metres and Kilometres)						WIND SPEED AND DIRECTION																						
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-39 m.	40-190 m.	200-390 m.	400-990 m.	1000-1900 m.	2000-9900 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
																									8 or more	6-7	4-5	1-3	Calm													
																																						SPEED IN KNOTS				
																																						24 or more	22-33	11-21	1-10	0
Number of Observations																																										
9 NORTHERN IRELAND — contd.																																										
Aldergrove [Antrim]																																										
73	3	1005.3	-	3.4	0.6	7.1	89	4.9	3	2	11	7	6	1	0	0	0	1	0	0	1	18	10	0	0	0	10	18	2	4	2	2	1	2	8	8	1					
	9	1005.4	-5.4	3.9	0.7	7.4	89	6.4	0	4	1	18	5	2	0	0	2	0	0	1	6	11	8	2	0	0	12	17	1	4	3	0	1	4	6	8	3					
	15	1005.1	-	6.1	1.3	7.7	80	6.1	0	2	7	16	5	0	0	0	0	0	0	0	3	9	11	7	0	1	14	12	3	4	2	1	0	0	7	10	3					
	21	1005.7	-	4.1	0.8	7.4	87	5.6	1	6	4	9	10	0	0	0	0	0	2	4	13	11	0	0	0	0	15	2	2	1	3	0	4	6	8	3						
CHANNEL ISLANDS																																										
Guernsey																																										
110	3	1008.7	-	8.8	1.5	9.2	79	5.4	0	5	8	10	7	0	0	0	0	0	0	3	8	13	6	0	10	13	7	0	7	1	1	1	3	8	8	1						
	9	1009.1	-	9.2	1.6	9.4	77	6.1	0	4	3	18	5	0	0	0	0	0	1	1	4	15	9	1	7	16	4	2	6	1	1	0	6	5	7	2						
	15	1009.3	-	9.2	1.9	8.9	74	6.5	0	1	3	19	7	0	0	0	0	0	0	2	3	14	11	1	6	17	4	2	6	0	1	1	4	3	10	3						
	21	1009.8	-	8.6	1.6	9.0	77	5.5	0	5	8	9	8	0	0	0	0	0	0	3	4	16	7	0	10	15	5	0	6	0	1	2	7	10	2							

TABLE VIII—NUMBER OF DAYS IN NOVEMBER, 1969  
WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °C.								MINIMUM TEMPERATURE °C.								STATION	MAXIMUM TEMPERATURE °C.								MINIMUM TEMPERATURE °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 .. ..	0	16	14	0	0	0	0	0	0	0	0	10	19	1	0	0	Edgbaston .. ..	1	8	15	4	2	0	0	0	0	0	0	6	18	4	2	0	0
Stornoway .. ..	0	13	16	1	0	0	0	0	0	0	0	13	14	3	0	0	Kew .. ..	0	6	10	12	2	0	0	0	0	0	2	7	10	8	3	0	0
Craibstone .. ..	0	4	13	13	0	0	0	0	0	0	0	18	11	1	0	0	Hastings .. ..	0	5	7	16	2	0	0	0	0	0	1	4	12	9	4	0	0
Rothsay .. ..	0	9	18	3	0	0	0	0	0	0	0	8	17	5	0	0	Southampton .. ..	0	1	10	15	4	0	0	0	0	0	0	5	13	11	1	0	0
Abbots'inch .. ..	0	11	16	3	0	0	0	0	0	0	0	5	9	10	6	0	Stonyhurst .. ..	0	9	16	4	1	0	0	0	0	0	15	12	3	0	0	0	
Eskdalemuir .. ..	2	17	9	2	0	0	0	0	0	0	3	12	11	3	1	0	Bidston .. ..	0	5	19	5	1	0	0	0	0	0	1	22	6	1	0	0	
Douglas .. ..	0	4	21	5	0	0	0	0	0	0	0	8	16	5	1	0	Valley .. ..	0	2	19	8	1	0	0	0	0	0	4	11	13	2	0	0	
Acklington .. ..	1	11	12	5	1	0	0	0	0	0	0	11	14	5	0	0	Falmouth .. ..	0	1	11	15	3	0	0	0	0	0	1	15	14	0	0	0	
Gorleston .. ..	0	3	17	8	2	0	0	0	0	0	0	3	16	10	1	0	Aldergrove .. ..	0	4	22	4	0	0	0	0	0	0	12	13	5	0	0	0	
Cambridge .. ..	1	5	14	7	3	0	0	0	0	0	1	7	14	8	0	0	Armagh .. ..	0	7	18	5	0	0	0	0	0	0	16	10	3	1	0	0	

TABLE XIII—SOLAR RADIATION AND ILLUMINATION, NOVEMBER, 1969

STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						DIFFUSE RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						TOTAL ILLUMINATION ON A HORIZONTAL SURFACE kilolux-hours					
	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days
Lerwick .. ..	88	5	10	23	41.9	30	52	6	10	23	32.0	30	103	5	11	23	48.6	30
Eskdalemuir .. ..	130	17	18	2	60.3	30	78	6	18	2	39.4	30	148	17	23	2	71.5	30
Cambridge .. ..	211	1	27	23	91.9	30	103	2	27	23	57.9	30	-	-	-	-	-	-
London W/Centre .. ..	208	1	21	7	81.1	30	84	2	22	7	54.4	30	248	1	31	7	100.2	30
Kew .. ..	208	1	24	7	85.7	30	90	6	22	14	54.2	30	259	1	34	7	106.5	30
Bracknell .. ..	206	1	20	14	92.9	30	103	2	18	14	58.8	30	278	1	25	14	120.2	30
Aberporth .. ..	147	6	32	18	80.5	30	96	10	30	18	59.6	30	-	-	-	-	-	-
Aldergrove .. ..	177	6	17	18	72.9	30	90	5	17	18	46.7	30	-	-	-	-	-	-
Jersey Airport .. ..	193	1	27	19, 21	83.1	30	109	3	27	21	61.6	30	220	1	34	21	102.5	30



## TABLE II—ADDITIONS AND CORRECTIONS

[illegible]

TABLE II—ADDITIONS — November, 1969

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES					
			Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)			22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST				
						Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours				Year from N		Speed in knots		Hour ended at day hour	Year from N	Speed in knots	Day and Time		
1	Aberdeen	Fraserburgh	29	13	11	2-4, 8, 18, 19, 28, 29	43	24	222	355	76	3	21	19, 1	-	38	8 20	-	57	28	1135	
6a	Ayr	Ardrrossan	24	20		8, 19	2	16	148	358	182	30	0	15, 2	280	36	8 13	280	56	8 1240		
2	Lincoln	Waddington	80	10	10	-	0	3	15	349	337	19	0	10, 9	250	25	8 14	250	43	8 1340		
4	Gloucester	Fairford	78	10	10	-	0	3	9	280	361	70	0	9, 7	270	25	9 14	260	40	9 1125		
7a	Westmorland	Moor House	597	15	14	*																
						* Defective record																

### TABLE III—ADDITIONS AND CORRECTIONS

[illegible]

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# Monthly Weather Report OF THE METEOROLOGICAL OFFICE

Summary of Observations compiled from returns of official stations and voluntary observers.

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## December 1969—Cold and dull; foggy spells and some snow

Low pressure dominated the weather over the British Isles for most of the month. Anticyclonic interludes occurred in the south for a few days around the 9th and 18th and in most areas at times during the last week.

**Weather** — North or east winds resulted in a cold and dull month especially in the south although the weather was sometimes changeable. Fog occurred widely at times and occasionally persisted all day in industrial areas. The peak of an influenza epidemic occurred during the month and the foggy spells caused some alarm. Fortunately the fog did not persist long enough to aggravate the situation unduly. There were a number of snowy periods but snow did not lie on low ground for any length of time.

**Wind** — The frequency of gale force winds was about average in the south but below average in the north. Gales occurred locally on 16 days in England, 15 days in Scotland and 8 days in Wales. In Northern Ireland gales generally occurred on 4 days but they were reported on up to 9 days in the north. The 14th was very stormy in most areas, particularly in the south; a gust of 70 kt was reported at Brixham (Devon). Trees were uprooted in places and power cables were brought down in Sussex. On the same day a freighter sank in heavy seas near the Pembrokeshire coast. On the 19th gales occurred in Scotland and on western coasts of England and Wales; a gust of 67 kt was recorded at Tiree (Hebrides). During the last 3 days winds reached gale force at times on exposed coasts in England.

**Temperature** — Monthly mean temperature was everywhere below average. Most areas were 1-2 degC colder than the normal but mean temperature was somewhat nearer the normal in south-west England, parts of north and west Scotland and Northern Ireland.

Frost was severe at times during the month, especially in the north, and occasionally persisted all day in some areas. Coldest spells occurred from the 4th to 6th and 17th to 19th but it was also very cold in the north on the 12th and 13th. Although temperatures were not exceptionally low during the last few days, the east wind over England and Wales resulted in a particularly penetrating frost. Among the lowest temperatures recorded were the following which occurred on the 12th: -11.7°C at Achnagoichan (Inverness-shire), height 305 m; -9.4°C at Sellafield (Cumberland); -7.8°C at Murlough (Co. Down). In Wales, -8.3°C occurred at Corwen (Merioneth) on the 19th.

It was mild generally on the 3rd and in places from the 7th to 15th although frost often occurred at night. A mild spell of 4 days commenced on the 21st and much of the snow lying melted. Maxima during the month included: 15.0°C at Botwnnog (Caernarvonshire) on the 22nd; 13.6°C at Brize Norton (Oxfordshire) on the 21st; 13.0°C at Sloy (Dunbartonshire) and 12.8°C at Downpatrick (Co. Down) on the 7th.

**Rainfall** — Most of England, Wales and Northern Ireland had near average rainfall but more than one and a half times the average fell in parts of eastern England. On the other hand, less than half the average rainfall occurred in parts of south-east Scotland and over a large area extending from west Perthshire to Sutherland. Around the town of Inverness under a quarter of the average rainfall occurred. A number of places in Inverness-shire recorded their driest December for more than 30 years, for example Garthbeg and Cluny Castle had their driest December since 1933 and 1937 respectively. Rainfall amounts on the Scottish mainland were small after the 23rd.

On the 2nd rainfall was heavy in Northern Ireland, Wales and western England. A fall of 63 mm occurred at Cwmystwyth (Cardigan-shire) in the 24 hours ending 0900 GMT on the 3rd. Flooding followed

heavy rain on the 13th/14th in parts of Scotland, north and west England and Wales. The heaviest rain fell overnight and at 0900 GMT on the 14th falls during the preceding 24 hours included nearly 78 mm at Great Langdale and almost 77 mm at Long House (both stations in Westmorland) and 71 mm on the Isle of Rhum (Inverness-shire).

Thunderstorms occurred only locally and were reported on 4 days in England, 3 days in Wales and 2 days in Scotland. This is below the monthly average.

**Snow** — Wintry showers occurred in Scotland during the first week. Frequent snow showers in eastern parts of England and Scotland from the 4th to 7th resulted in about 10 cm of snow lying on the ground in some areas as far south as Suffolk. Snow fell in most districts during the period 17th to 19th. Blizzards were reported in North Wales, north-west England and south-west Scotland on the 19th and by the 20th snow depths reached 30 cm on high ground in Scotland and 10 cm in northern England and North Wales. More snow fell during the last 3 days, mainly in England and Wales; snow flurries produced only small amounts of snow in the east but 3-6 cm accumulated in parts of the West Country and South Wales.

**Sunshine** — Sunshine amounts were below average in most areas. In the eastern half of the country many places recorded less than half the normal amount and at Turnhouse (Midlothian) it was the lowest December total since records began in 1950. It was exceptionally dull in East Anglia where sunshine amounted to less than 30 per cent of average in places. At Dovercourt (Essex) only 9.6 hours sunshine were recorded during the entire month and at Cromer (Norfolk) it was the duldest December since records commenced in 1902. Sunshine was slightly above average in some western and northern areas.

**Fog** — From the 8th to 13th fog occurred widely at times in England and southern Scotland; it was locally dense and patches of freezing fog persisted all day in some areas. On the 19th and 20th fog occurred in many places during a thaw. Fog was dense in north-west England and southern Scotland from the 25th to 27th. During this spell air traffic was disrupted in parts of north-west England.

**Miscellaneous Phenomena** — The aurora was observed on 4 nights in Scotland.

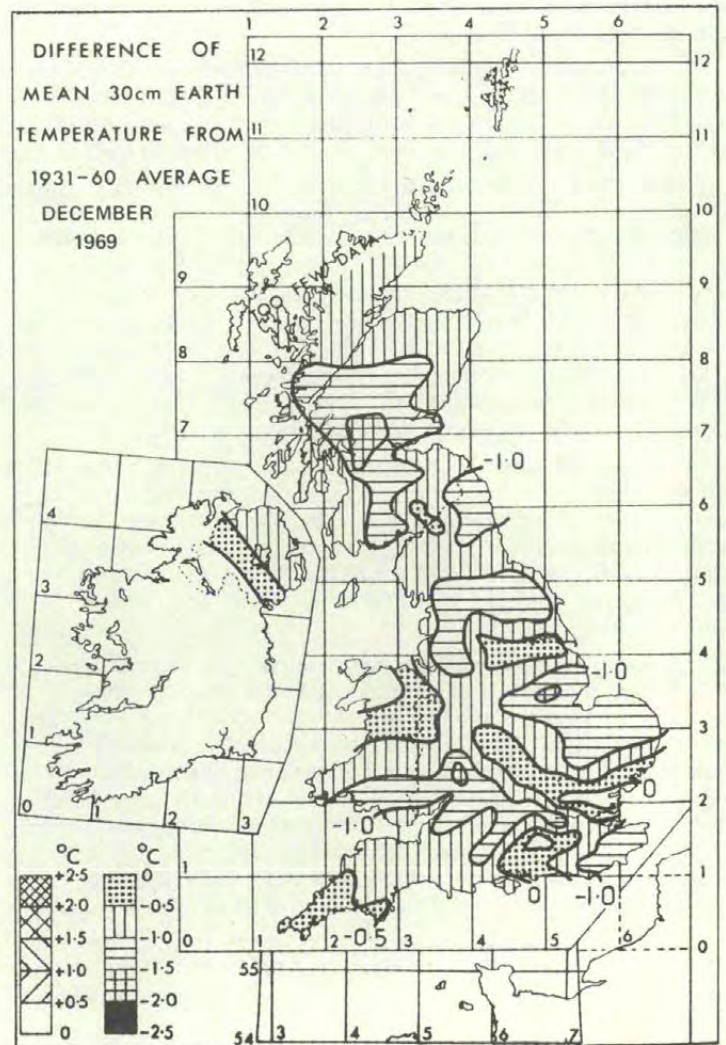
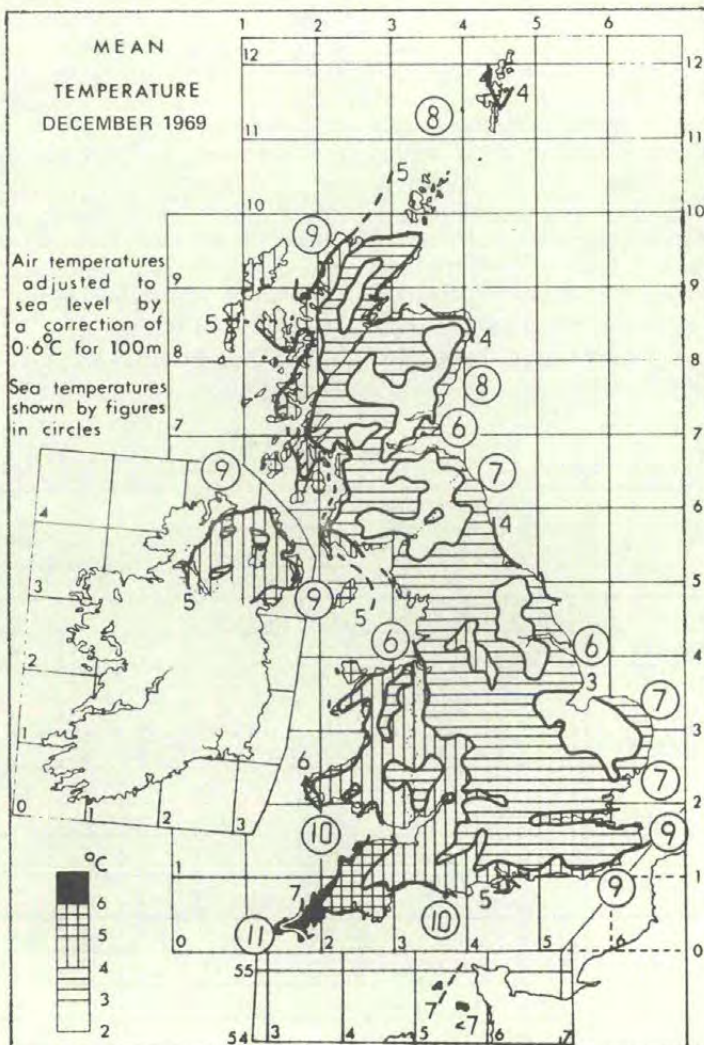
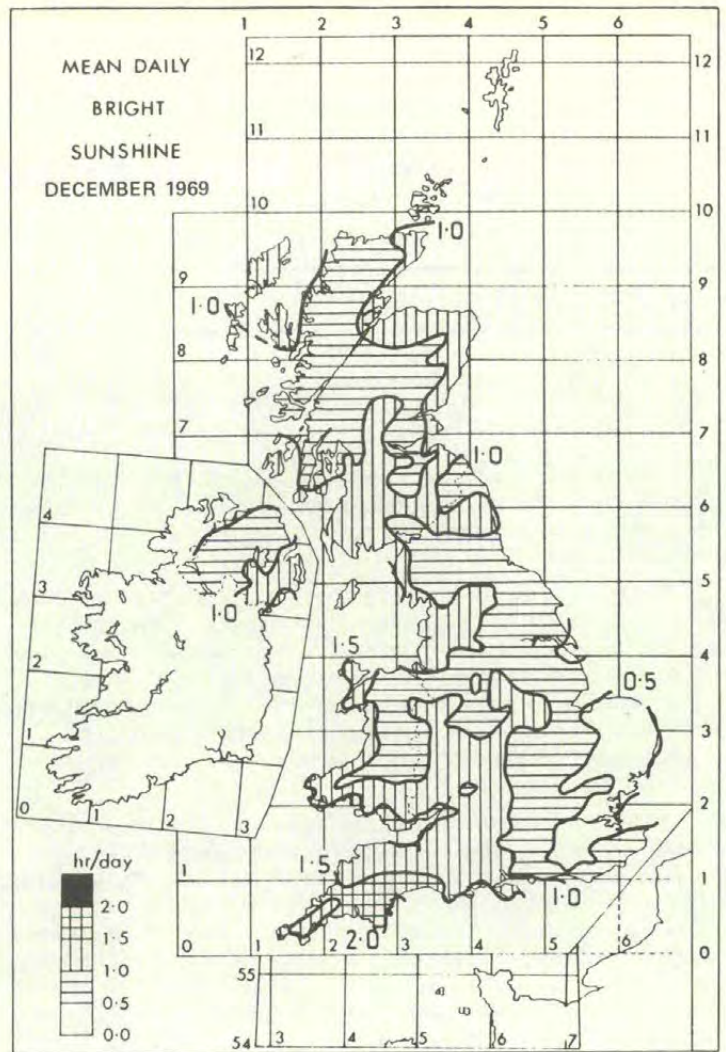
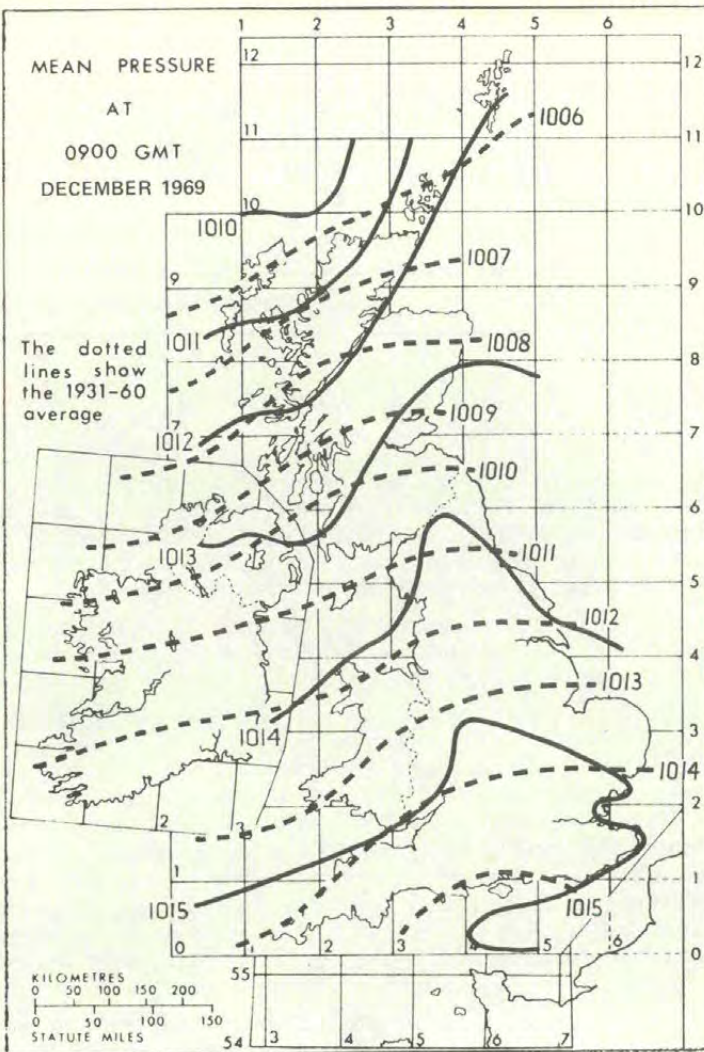
TABLE I—DISTRICT VALUES, December 1969

DISTRICTS	AIR TEMPERATURE °C					EARTH TEMP. °C		RAIN DAYS	RAIN-FALL	SUN-SHINE
	*Highest Max.	*Lowest Min.	Max.	Min.	Mean	Mean 30 cm.	Mean 122 cm.			
	Difference from Average									
0 SCOTLAND, N.	11.1	-4.7	-1.0	-0.9	-0.9	-0.9	-0.2	-1	85	104
1 SCOTLAND, E.	10.6	-6.1	-1.0	-1.1	-1.0	-0.9	-0.7	0	84	78
2 ENGLAND, N.E.	11.1	-6.7	-1.6	-1.3	-1.5	-0.6	+0.1	+2	113	67
3 ENGLAND, E.	11.7	-6.1	-2.1	-0.9	-1.5	-0.6	-0.5	0	110	38
4 MIDLANDS	12.2	-4.4	-1.4	-1.0	-1.2	-0.7	-0.4	+2	96	75
5 ENGLAND, S.E.	11.5	-6.1	-1.8	-1.2	-1.5	-0.9	-0.5	+2	95	51
6 SCOTLAND, W.	11.4	-7.0	-1.0	-1.3	-1.2	-1.1	-0.6	-3	95	86
7 ENGLAND, N.W. and N. Wales	11.4	-6.7	-1.5	-1.6	-1.5	-0.1	-0.2	-2	102	94
8 ENGLAND, S.W. and S. Wales	12.8	-6.1	-1.2	-1.4	-1.3	-0.4	-0.3	+1	86	91
N. IRELAND	11.8	-5.0	-0.8	-0.9	-0.8	-	-	-1	103	87
SCOTLAND	11.4	-7.0	-1.0	-1.1	-1.0	-	-	-1	77	89
ENG. and WALES	12.8	-6.7	-1.6	-1.3	-1.4	-	-	+1	102	69

\*Highest Max. and Lowest Min. of the District Value Stations.

FH3A







# RAINFALL DECEMBER 1969

The equivalent values in inches  
are given in round numbers.  
The exact relation is 10 in. = 254 mm.

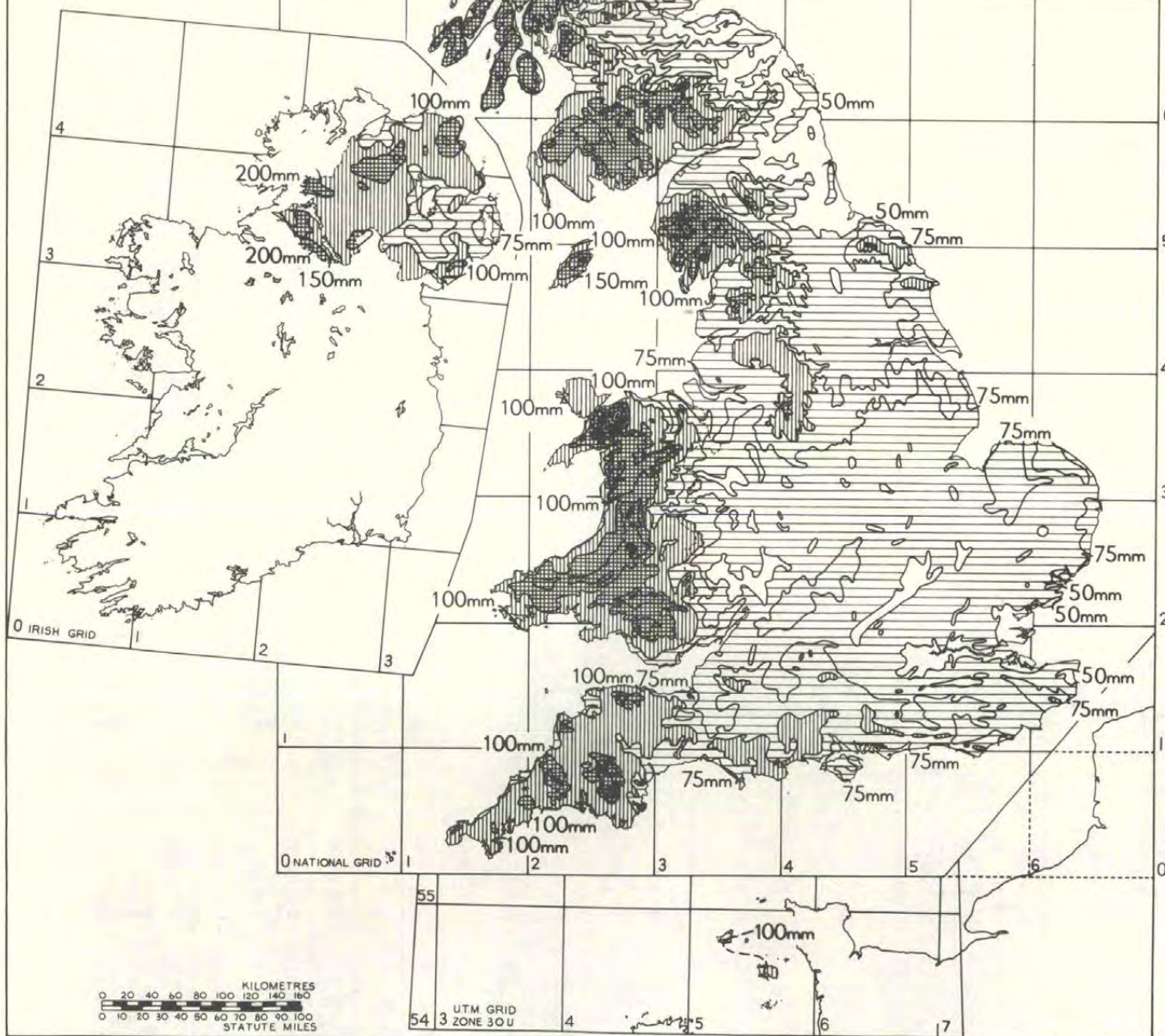
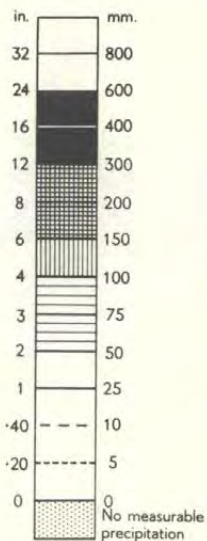




TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— DECEMBER, 1969

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES					
						34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots	4 to 10 knots	Less than 4 knots	No Record	HIGHEST HOURLY WIND			HIGHEST GUST					
			Above Mean Sea Level	Above ground	Effective Height	Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours				Veer from N	Speed in knots	Hour ended at day hour		Veer from N	Speed in knots	Day and Time			
0 SCOTLAND N.																						
Zetland	Lerwick	...	93	10	10	7, 13-15, 19, 21, 23	45	18	150	368	128	53	0	16.6	150	40	14 15	150	62	14 1025		
Orkney	Kirkwall	...	41	15	10	14, 19, 21	11	20	141	427	147	18	0	16.0	170	37	19 10	170	52	19 1100		
Caithness	Dounreay	...	34	12	9	19, 21	5	15	123	405	171	36	4	14.0	140	37	21 09	140	56	21 0850		
	Wick	...	45	10	10	-	0	11	74	401	241	28	0	13.4	170	30	19 10	180	57	19 1125		
Sutherland	Shin	...	24	10	10	-	0	3	5	132	294	304	9	5.8	180	29	19 10	180	53	19 0935		
Ross &	Stornoway (C'Gd)	...	37	12	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Cromarty	Duirinish	...	38	20	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Inverness	Benbecula	...	16	10	10	19	7	19	79	408	196	54	0	13.3	160	39	19 09	160	60	19 0250		
	Corpach	...	23	15	12	-	0	3	16	176	251	268	33	7.2	090	30	29 10	150	50	19 0045		
	Fort Augustus(N.S.H.E.B.)	...	58	16	16	-	0	0	0	71	268	405	0	4.1	240	20	19 03	230	46	19 0200		
	Dalcross	...	21	10	10	-	0	4	10	217	406	111	0	8.7	180	30	19 10	180	52	19 0945		
	Cairngorm	...	1074	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1 SCOTLAND E.																						
Moray	Kinloss	...	17	13	13	-	0	8	17	304	378	45	0	10.3	150	27	14 05	150	42	14 0445		
	Lossiemouth	...	31	24	18	-	0	9	31	217	344	152	0	8.9	150	33	14 05	190	49	19 1130		
Aberdeen	Dyce	...	71	9	9	-	0	4	33	327	255	129	0	10.1	170	30	14 10	170	49	14 0940		
Angus	Bell Rock	...	39	40	38	14, 19, 21	18	20	183	386	141	16	0	16.9	180	40	19 13	160	53	21 0420		
Perth	Rannock	...	307	17	17	-	0	1	2	170	255	246	71	6.8	230	22	10 07	120	40	21 0315		
	Tummel Bridge	...	161	16	16	-	0	0	0	85	424	235	0	5.5	290	21	7 10	290	37	7 0935		
Fife	Leuchars	...	24	12	12	-	0	6	24	268	349	103	0	9.8	160	25	14 04	160	39	14 0920		
Midlothian	Turnhouse	...	42	12	10	-	0	1	1	193	416	134	0	7.5	190	22	13 15	200	39	13 1450		
6a SCOTLAND, W.																						
Argyll	Tiree	...	27	18	14	13, 14, 17-21, 28	31	24	236	309	106	62	0	17.6	150	48	19 05	140	67	19 0345		
	Machrihanish	...	22	12	12	-	0	17	111	370	191	72	0	13.6	150	33	19 05	150	50	19 0400		
Dunbarton	Cumbernauld	...	166	10	10	-	0	3	3	211	343	165	22	8.2	180	22	13 15	070	35	30 1040		
Renfrew	Paisley	...	57	25	9	-	0	2	2	122	340	280	0	5.7	190	24	13 14	190	41	13 1330		
	Abbotsinch	...	16	10	10	-	0	0	0	134	371	239	0	6.7	070	19	29 19	140	32	19 0755		
Larnark	Lowther Hill	...	736	13	10	**	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Ayr	Hunterston	...	12	9	9	Ø	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Prestwick	...	21	10	10	-	0	1	4	174	354	212	0	7.1	180	25	19 11	180	42	19 1040		
Dumfries	Eskdalemuir	...	259	10	10	-	0	5	16	192	279	257	0	7.6	150	29	14 08	090	46	29 1040		
Wigtown	West Freugh	...	25	10	10	-	0	9	36	334	277	90	7	10.9	120	28	17 11	120	41	17 1020		
6b ISLE OF MAN																						
	Ronaldsway	...	25	10	10	-	0	16	148	265	255	76	0	13.2	110	33	17 11	180	47	14 0200		
	Point of Ayre	...	20	10	10	-	0	16	113	394	208	29	0	14.5	130	33	17 10	130	47	17 0920		
2 ENGLAND, N.E.																						
Durham	Durham	...	119	16	10	-	0	1	7	193	355	189	0	7.3	180	27	14 09	170	47	14 0935		
	South Shields	...	22	17	13	-	0	5	47	160	389	148	0	8.7	120	26	29 09	170	44	14 0955		
Yorks N.R.	Leeming	...	42	10	10	-	0	1	2	186	313	243	0	6.9	180	24	14 09	180	36	14 0825		
	Middlesbrough	...	23	19	19	14	4	6	27	372	281	60	0	11.4	180	36	14 10	180	57	14 1005		
Yorks E.R.	Leconfield	...	18	10	10	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Lincoln	Cranwell	...	76	12	12	-	0	1	6	226	446	66	0	8.7	170	26	14 11	170	38	14 1135		
	Binbrook	...	118	10	10	14	1	4	27	331	326	59	0	10.5	170	34	14 12	170	49	14 1045		
	Manby	...	26	10	10	-	0	1	4	249	422	69	0	8.8	150	26	14 13	150	39	14 1215		
3 ENGLAND, E.																						
Norfolk	Marham	...	33	10	10	-	0	1	4	259	376	105	0	9.0	160	25	14 13	160	40	14 1200		
	Watton	...	71	12	10	-	0	6	42	319	358	25	0	10.9	170	31	14 13	170	45	14 1210		
	Coltishall	...	29	10	10	-	0	0	0	170	455	119	0	7.7	180	21	14 13	180	37	14 1445		
	Gorleston	...	16	13	13	-	0	1	5	280	384	75	0	9.3	160	24	14 14	160	41	14 1240		
Suffolk	Mildenhall	...	30	25	18	-	0	2	5	299	401	39	0	10.0	180	26	14 11	180	42	14 1025		
Bedford	Bedford	...	98	13	9	-	0	3	10	288	401	45	0	9.7	070	25	30 12	070	40	30 1150		
	Cardington	...	69	41	41	-	0	0	0	72	456	216	0	5.8	300	17	15 19	070	31	30 1955		
Hertford	Garston	...	94	15	10	-	0	0	0	104	516	124	0	6.9	060	18	30 14	050	37	30 1845		
	Rothamsted	...	141	13	10	-	0	1	5	259	366	114	0	8.7	070	25	30 13	050	37	30 1815		
Essex	Stansted	...	107	9	9	-	0	1	5	259	366	114	0	8.7	070	25	30 13	050	37	30 1815		
	Shoeburyness	...	36	32	28	14, 30	9	13	107	398	206	24	0	14.5	180	37	14 14	180	47	14 1325		
4 MIDLAND COUNTIES																						
Yorks W.R.	Sheffield	...	162	25	11	-	0	1	1	196	424	123	0	7.9	170	22	14 10	180	41	14 0715		
	Church Fenton	...	18	10	10	-	0	1	5	190	398	151	0	7.8	180	27	14 09	180	41	14 0905		
Notts.	Wattall	...	130	13	10	-	0	1	2	317	372	53	0	10.0	150	22	14 11	150	37	14 1050		
	Finningley	...	19	10	10	-	0	1	3	139	450	152	0	7.1	190	24	14 14	180	45	14 1335		
Rutland	Cottesmore	...	122	12	10	-	0	1	2	317	372	53	0	10.0	150	22	14 11	150	37	14 1050		
N'hampton	Wittering	...	87	11	11	**	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Warwick	Edgbaston	...	196	36	22	-	0	4	9	224	451	60	0	8.9	170	24	14 09	170	43	14 0605		
	Elmdon	...	105	9	9	-	0	3	10	197	387	150	0	7.9	180	25	14 07	180	45	14 1015		
Oxford	Brize Norton	...	91	13	10	-	0	3	13	237	377	117	0	8.8	080	26	30 14	080	42	30 1315		
	Keele	...	215	15	10	-	0	0	0	200	352	192	0	7.3	320	20	7 15	090	42	30 1130		
Worcester	Pershore	...	47	10	10	-	0	4	13	289	341	101	0	9.6	190	29	14 10	190	50	14 0920		
Gloucester	Avonmouth	...	28	19	10	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
5 ENGLAND, S.E.																						
Greater	London/W.Centre	...	93	70	38	-	0	1	4	328	365	47	0	10.2	160	23	14 12	160	41	14 1040		
London	Heathrow	...	35	10	10	-	0	2	10	281	363	90	0	9.1	050	24	30 14	050	39	30 1330		
	Hampton	...	42	31	30	-	0	1	1	190	341	212	0	7.1	060	22	30 14	060	42	30 1320		
	Kew	...	28	23	15	-	0	1	1	237	363	143	0	8.1	060	22	30 1					



TABLE II (continued)—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND— DECEMBER, 1969

DISTRICT COUNTY AND PLACE	HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES						
	Above Mean Sea Level	Above ground	Effective Height	34 Knots or more (Gale force)		22 to 33 knots		11 to 21 knots		4 to 10 knots		Less than 4 knots			HIGHEST HOURLY WIND			HIGHEST GUST			
				Dates of Occurrence	Duration (hr)	No. of days	Duration in Hours								Veer from N	Speed in knots	Hour ended at day hour	Veer from N	Speed in knots	Day and Time	
5. ENGLAND, S.E. — <i>contd.</i>																					
Wiltshire Larkhill ... ..	145	13	10	-	0	3	16	247	386	95	0	9.5	060	28	30	16	060	50	30	1535	
Boscombe Down ... ..	130	16	16	-	0	4	25	346	305	68	0	10.8	190	29	14	10	190	43	14	0935	
Porton ... ..	120	10	10	14	2	7	42	317	298	80	5	11.1	190	35	14	10	190	50	14	1045	
7a ENGLAND, N.W.																					
Cumberland Sellafield ... ..	25	12	11	-	0	3	13	207	308	216	0	7.5	150	28	14	04	150	43	14	0405	
Carlisle ... ..	42	13	9	-	0	0	0	196	346	202	0	7.3	180	20	14	06	180	34	14	0600	
Spadeadam ... ..	292	16	15	-	0	3	21	201	353	169	0	8.4	180	27	14	08	180	42	14	0730	
Westmorland Great Dun Fell	857	10	10	7, 10, 13, 14, 21, 29, 30	41	23	215	333	130	25	0	18.4	190	45	14	05	190	65	14	0435	
Lancashire Squires Gate ...	26	16	11	-	0	8	33	375	226	110	0	11.1	160	29	14	08	160	47	14	0800	
Aigburth ... ..	38	23	11	-	0	1	7	257	339	141	0	8.5	160	24	14	06	310	44	15	1350	
Southport ... ..	19	14	11	-	0	2	7	181	314	242	0	6.7	310	25	15	07	310	41	15	0605	
Fleetwood ... ..	34	15	9	-	0	6	16	245	294	163	26	8.7	310	27	15	07	160	39	21	0105	
Speke ... ..	30	10	10	-	0	3	12	308	278	146	0	9.4	300	28	15	06	290	46	22	0320	
Manchester/ W. Centre	82	45	17	-	0	1	5	203	399	137	0	7.9	170	23	14	08	170	45	14	0420	
Cheshire Bidston ... ..	80	20	12	-	0	9	37	281	338	80	8	-	290	29	15	06	290	50	15	0510	
Ringway ... ..	80	10	10	-	0	3	9	277	271	187	0	8.5	160	26	14	08	170	41	14	0500	
7b NORTH WALES																					
Anglesey Valley ... ..	26	16	12	13-15, 20	13	16	161	299	192	79	0	14.3	190	45	14	04	190	66	14	0335	
8a SOUTH WALES																					
Cardigan Aberporth ... ..	135	13	11	-	0	15	114	397	164	69	0	13.9	310	33	15	03	220	50	14	0450	
Pembroke Milford Haven C.B.	47	10	10	-	0	6	25	365	256	96	2	11.0	200	33	14	05	200	55	14	0515	
Brawdy ... ..	130	20	14	-	0	8	40	253	314	137	0	9.7	130	28	17	10	110	47	30	1020	
Glamorgan Port Talbot ... ..	28	12	11	-	0	4	17	316	334	77	0	10.1	060	26	30	17	060	40	30	1820	
Rhose ... ..	78	11	10	-	0	4	17	316	334	77	0	10.1	060	26	30	17	060	40	30	1820	
8b ENGLAND, S.W.																					
Dorset Portland Bill C.G.	61	13		-	0	13	116	415	190	23	0	14.7	330	33	15	15	240	52	14	1025	
Devon Mount Batten ...	64	13	13	14	3	10	44	304	295	98	0	10.7	230	41	14	09	220	59	14	0835	
Chivenor ... ..	19	13	10	-	0	6	36	302	310	96	0	10.1	300	30	15	13	300	45	15	1350	
Cornwall Scilly ... ..	70	20	17	2, 3, 14, 15	25	17	171	347	162	36	3	16.4	280	40	14	24	270	69	14	2300	
Lizard ... ..	96	23	18	14, 15	8	17	180	219	209	86	42	14.4	210	42	14	07	300	62	15	0835	
St. Mawgan ... ..	119	12	12	15	6	12	102	318	255	63	0	12.8	310	37	15	11	310	52	15	1145	
9 NORTHERN IRELAND																					
Londonderry Ballykelly ... ..	13	12	10	-	0	5	18	327	239	160	0	9.7	140	28	19	03	140	42	19	0335	
Antrim Aldergrove ... ..	80	10	10	-	0	2	2	307	337	98	0	9.3	170	22	19	06	180	37	19	0600	
Ballypatrick Forest	166	13	13	29	3	17	143	425	140	20	13	15.4	120	36	29	12	160	59	18	2335	
Belfast Harbour ... ..	21	18	18	-	0	10	34	331	243	74	62	10.8	300	29	3	07	-	43	22	0540	
Down Kilkeel ... ..	35	18	18	-	0	12	115	306	254	41	28	12.9	190	31	19	08	190	46	19	0745	
Orlock Head ... ..	51	16	12	6, 17, 29	5	14	125	401	157	13	43	15.2	140	36	29	16	140	50	29	1535	
Portadown ... ..	26	10	10	0	0	4	5	304	252	183	0	8.5	150	24	19	04	150	40	19	0330	
Tyrone Carrigans ... ..	129	10	10	-	0	0	0	279	338	127	0	8.3	270	20	2	14	270	40	2	1320	
Fermanagh Castle Archdale Forest	80	13	13	-	0	0	0	279	338	127	0	8.3	270	20	2	14	270	40	2	1320	
CHANNEL ISLES																					
Jersey Airport ... ..	109	26	15	-	0	11	76	407	218	43	0	13.0	300	32	15	13	310	53	15	0230	

/ Anemograph dismantled for re-erection. \* Defective record.

# Record ceased.

\$ Incomplete record.

Ø Anemograph out of order.

\*\* Record ceased temporarily.

TABLE III

—SUMMARY OF DAILY OBSERVATIONS DECEMBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Temp. in GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days										BRIGHT SUNSHINE							
			MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1910-50 average	Amount (mm.)	Date	Precip'n 0.2 mm or more 1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C.	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure		
			Max. (A)	Min. (B)			Maximum	Date	Minimum	Date																						
0 SCOTLAND, N.																																
Zetland																																
Hamnavoe ...	99	21	6.1	2.6	4.3	-	8.9	8.9	-2.8	5	-	-	194	-	36	20	29	28	15	4	7	1	1	0	4	-	-	9	0.32	-	-	-
Lerwick ...	21-9	82	5.0	2.3	3.7	-0.7	8.3	8.9	-4.7	5	-	-	150	116	25	20	29	23	12	6	2	13	1	0	5	8	10	9	0.33	73	-	-
Baltasound ...	99	24	5.3	1.5	3.4	-	8.3	8	-4.4	6	4.8	-	131	103	16	20	27	23	8	5	1	1	0	0	7	-	-	9	0.29	-	-	S
Orkney																																
Sule Skerry ...	21-9	13	7.2	4.6	5.9	-	9.4	8	0.1	5	-	-	74	-	9	14	26	16	4	1	3	0	0	0	0	7	5	7	-	-	-	-
Stenness ...	99	23	5.8	2.2	4.0	-	9.4	8	-2.2	5	3.9	5.8	150	132	34	14	29	20	4	2	0	1	0	0	5	15	-	1	0.71	-	-	-
Kirkwall ...	21-9	26	5.4	2.5	3.9	-1.2	9.0	8	-1.7	5	-	-	139	121	33	14	24	19	9	1	8	1	0	0	4	10	11	3	0.71	86	-	-
Caithness																																
Dounreay ...	99	21	6.3	1.4	3.9	-	9.4	6, 7, 8	-1.7	13	-	-	85	-	13	17	22	16	5	3	0	1	0	1	7	17	-	2	1.13	-	-	-
Wick ...	21-9	36	5.5	2.4	3.9	-0.7	9.0	8	-2.7	5	-	-	98	124	25	15	22	16	8	3	1	8	0	0	5	15	10	0	1.26	116	-	-
John O'Groats ...	99	30	6.0	1.6	3.8	-	8.9	8	-2.8	12	-	-	102	-	29	14	22	17	5	-	1	2	0	0	5	10	-	3	1.17	-	-	-
Sutherland																																
Cape Wrath ...	21-9	112	6.1	3.1	4.6	-1.1	9.7	21	-1.0	5	-	-	74	59	14	20	22	15	4	3	2	1	0	0	4	7	8	3	0.91	-	-	S
Achanay ...	99	85	5.1	-0.6	2.3	-	9.4	8.9	-7.8	12	2.6	5.4	43	40	14	1	20	13	8	3	1	0	0	1	15	31	-	0	1.07	-	-	-
Strathay ...	99	37	5.4	0.8	3.1	-0.9	9.4	9	-2.2	12, 25, 26	-	-	57	51	9	14	24	18	8	2	0	4	0	1	12	-	-	0	0.80	111	-	-
Achentoul ...	99	137	4.6	-0.3	2.1	-	8.9	8, (21)	-5.0	12	-	-	62	-	8	1	24	15	7	4	0	3	0	0	13	27	-	0	0.68	-	-	S
Ross & Cromarty																																
Stornaway ...	21-9	3	6.3	2.0	4.1	-1.4	10.4	21	-3.9	16	-	-	81	78	10	13	22	16	4	0	0	2	0	0	11	13	12	3	1.08	127	-	-
Balmacara ...	99	4	7.8	2.6	5.2	-	11.1	21	-1.7	4, 6, 16	-	-	150	-	23	20	27	19	1	1	0	0	0	0	5	-	-	0	-	-	-	-
Poolwee ...	99	6	7.3	2.5	4.9	-	11.1	21	-1.1	31	-	-	105	66	12	13	21	17	4	-	1	2	0	0	8	16	-	0	1.03	-	-	S
Rudh Re ...	21-9	16	6.9	3.7	5.3	-	10.0	21	-0.3	18	-	-	-	-	-	-	-	-	-	4	1	0	0	0	1	7	7	5	-	-	-	-
Inverpollay ...	99	14	6.9	2.0	4.5	-	10.6	21	-2.8	5	5.3	-	101	74	10	10	22	20	5	3	1	1	0	-	6	22	-	3	1.02	-	-	S
Achnashellach ...	99	67	5.9	0.5	3.2	-0.9	10.0	21	-3.3	12, 13	-	-	149	68	14	20	24	18	10	3	0	0	0	0	12	-	-	0	-	-	-	-
Kinlochewe ...	99	23	6.4	0.4	3.4	-1.2	11.1	21	(-4.4)	26	4.0	-	124	59	18	14	22	21	5	2	0	0	0	1	13	23	-	0	0.77	-	-	S
Knockanrock ...	99	244	4.8	0.6	2.7	-	8.3	6, 21	-3.3	19	-	-	132	-	14	14	26	21	9	4	0	2	0	-	13	24	-	0	-	-	-	-
Strathconan ...	99	107	5.4	-1.2	2.1	-	10.0	8, 9	-7.2	12, 13	-	-	52	-	7	2, 14	22	13	5	4	0	0	0	-	20	29	-	0	-	-	-	-
Fortrose ...	99	5	6.4	2.6	4.5	-0.7	10.6	6	-1.7	5	-	-	11	21	2	20	13	4	1	1	0	0	0	0	3	-	-	1	1.26	111	-	-
Tarbatness ...	21-9	18	5.6	2.7	4.1	-0.3	9.6	6	-2.0	12	-	-	36	79	7	15	19	11	4	0	0	1	0	0	3	-	-	0	-	-	-	-



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS DECEMBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE					
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1910-50 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure	
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date	0.2 mm or more	1.0 mm or more														
0 SCOTLAND, N. —contd.																																	
Inverness																																	
Benbecula ...	21-9	6	7.0	3.4	5.2	-0.7	10.0	20.23	-1.9	31	-	-	115	98	14	20	27	22	5	0	0	4	0	0	7	12	11	2	0.99	-	-	-	
Isle of Rhum ...	99	5	7.3	2.8	5.1	-	11.1	20.21	-1.7	16,31	4.9	7.8	323	122	71	13	28	26	1	0	9	1	1	0	7	16	-	0	-	-	-		
Prabost ...	99	67	6.3	1.9	4.1	-	10.0	21	-2.2	19	-	-	182	94	20	19	29	23	8	3	1	7	0	1	5	21	-	2	1.13	-	-		
Duntulm ...	99	90	6.8	2.6	4.7	-0.9	10.0	21	-0.6	19,31	-	-	139	98	20	19	25	24	5	1	0	0	0	0	2	14	-	1	0.85	110	S		
Onich ...	99	15	6.7	0.9	3.8	-1.1	11.1	21	-3.9	4,16	-	-	167	76	28	13	27	16	-	0	-	-	-	0	11	23	-	-	0.64	94	S		
Fort William ...	99	8	6.7	0.7	3.7	-	11.1	21	-5.0	16	3.6	5.4	126	68	24	21	23	13	5	1	0	0	0	0	13	23	-	-	0.72	-	-		
Corpach ...	99	8	6.8	1.5	4.1	-	11.1	21	-2.8	16	-	-	155	-	31	13	17	15	0	0	0	0	0	0	8	24	-	0	-	-	-		
Fort Augustus ...	99	21	5.9	0.2	3.1	-0.8	10.0	7.8	-5.0	12,13	-	-	51	-	10	21	23	10	2	2	0	0	0	3	14	-	-	0	0.79	-	S		
Inverness ...	99	4	6.6	0.4	3.5	-	11.1	7.8	-6.1	29	-	-	12	24	3	1	8	6	0	0	0	0	0	0	16	20	-	0	1.14	-	-		
Coire Cas Shielling	99	762	1.9	-2.2	-0.1	-	8.9	9	-8.3	5	-	-	-	-	-	-	-	-	-	13	29	-	-	-	4	25	-	-	-	-	-		
Cairngorm ...	99	1090	-0.7	-4.8	-2.7	-	6.1	9	-10.0	5	-	-	-	-	-	-	-	-	-	14	31	-	-	-	-	30	-	-	-	-	S		
Achnagoichan ...	99	305	4.5	-1.7	1.4	-	8.9	7	-11.7	12	2.9	-	47	63	(11)	21	17	15	-	-	-	-	-	-	22	25	-	-	-	-	-		
Glenmore Lodge	99	341																															
1 SCOTLAND, E.																																	
Nairn																																	
Nairn ...	99	6	6.2	0.8	3.5	-0.7	10.0	6.8	-5.6	12	-	-	17	34	4	2	15	7	5	2	0	1	0	0	11	20	-	0	1.36	112	-	-	
Moray																																	
Grantown-on-Spey	99	229	4.5	-1.6	1.5	-	8.9	8	-10.0	12,13	-	-	35	-	6	2	19	13	10	9	0	0	0	0	17	28	-	0	-	-	-	-	
Forres ...	99	47	6.2	1.3	3.7	-0.4	10.6	8.10	-2.8	5	2.8	4.9	35	78	9	15	14	7	5	1	0	0	0	0	12	22	-	0	1.48	103	-	-	
Kinloss ...	21-9	5	5.9	1.6	3.7	-0.5	10.3	8	-6.4	12	4.1	-	29	67	7	15	13	6	8	0	0	3	0	0	11	20	16	0	1.48	-	-	-	
Elgin ...	99	15	6.3	1.0	3.7	-	10.0	6.8	-3.9	13	-	-	49	103	11	15	14	12	2	2	0	0	0	0	8	23	-	0	1.35	-	S	-	
Lossiemouth ...	99	6	6.1	0.7	3.4	-0.7	9.4	6.8,9	-4.4	12	-	-	47	96	15	14	16	12	9	1	0	2	0	0	14	22	22	0	-	-	-	-	
Gordon Castle ...	99	32	6.1	0.9	3.5	-0.7	10.0	6.8,21	-5.0	13	-	-	55	97	15	14	15	11	5	2	2	0	0	-	9	-	-	0	1.21	109	-	-	
Banff																																	
Glenlivet ...	21-9	215	4.0	-0.1	1.9	-	9.2	8	-8.0	12	-	-	41	-	9	2	19	11	8	11	0	0	0	0	19	26	28	0	1.05	-	S	-	
Banff ...	99	24	6.2	1.8	4.0	-	10.0	8	-2.2	12,13	-	-	85	-	25	14	22	16	3	1	1	0	0	0	5	-	-	0	0.96	-	-	-	
Aberdeen																																	
Braemar ...	99	339	4.1	-1.6	1.3	-0.7	8.9	7.8	-10.6	12	-	-	49	51	11	13	17	13	-	6	-	-	-	-	0	18	-	-	0.78	-	S	-	
Balmoral ...	99	283	4.3	-2.1	1.1	-1.0	8.9	8	-10.6	12,13	-	-	74	92	12	13	20	14	7	13	0	0	0	-	20	25	-	0	-	-	-	-	
Dinnet ...	99	177	4.9	-0.8	2.1	-	11.1	9	-8.3	12,13	2.7	-	48	-	8	17	20	13	-	5	-	-	-	-	0	16	-	-	1.20	-	-	-	
Gartley ...	99	160	4.9	-0.1	2.4	-	9.4	8.9	-6.1	13	-	-	69	-	10	14	24	17	-	-	-	-	-	-	14	26	-	-	-	-	-	-	
Inverurie Swge. Wks.	99	54	5.4	-0.7	2.3	-	10.6	8	-8.9	13	-	-	66	-	11	15	21	15	9	3	0	0	0	0	15	22	-	0	1.10	-	-	-	
Fyvie Castle ...	99	66	5.1	-1.1	2.0	-	10.0	8	-8.9	13	-	-	86	115	16	15	23	19	8	2	0	0	0	-	16	27	-	0	1.03	-	S	-	
Craibstone ...	99	91	5.3	0.7	3.0	-0.8	10.6	8	-5.0	12	3.0	4.9	81	101	16	15	21	14	6	3	1	0	0	0	8	15	-	1	1.16	76	-	-	
Dyce ...	21-9	58	5.3	0.5	2.9	-0.8	10.3	8	-7.8	13	-	-	83	100	16	15	21	15	8	2	1	5	0	0	12	19	16	0	1.25	-	-	-	
Aberdeen ...	99	52	5.7	0.5	3.1	-0.8	9.4	7.8	-6.7	13	-	-	71	90	13	15	19	12	6	4	0	3	0	0	11	18	-	0	1.29	98	S	-	
Fraserburgh ...	21-9	18	5.9	3.0	4.5	-	9.5	8	-3.9	12	-	-	89	-	14	14	22	19	7	0	2	4	0	0	2	4	6	0	1.33	-	-	-	-
Kincardine																																	
Fettercairn ...	99	171	4.7	-0.2	2.3	-0.9	9.4	8.9	-5.0	13	-	-	95	104	19	21	21	14	10	12	0	1	0	4	13	28	-	0	1.11	-	S	-	
Strachan ...	99	120	5.2	-1.5	1.9	-	(10.6)	9	(-8.9)	13	2.8	-	108	-	30	13	20	12	6	9	1	0	0	-	20	21	-	0	0.90	-	-	-	
Banchory ...	99	77	5.4	-0.6	2.4	-	10.6	9	-8.3	13	-	-	71	-	12	13	18	14	8	10	3	1	0	0	16	23	-	0	-	-	-	-	
Angus																																	
Mylnefield ...	99	30	5.6	-0.6	2.5	-	10.0	7.8	-8.3	13	2.4	6.2	59	108	17	21	16	13	5	4	0	1	0	0	17	28	-	0	0.94	-	-	-	
Dundee ...	99	45	5.4	0.3	2.9	-1.0	10.0	7	-6.1	13	2.6	-	66	107	18	21	18	13	5	2	0	3	0	0	14	28	-	0	1.12	-	-		



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS DECEMBER, 1969

DISTRICT, COUNTY AND PLACE			Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE		
						MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM						Total fall (mm.)	Percentage of 1910-50 average	Most in a day		Precip'n 0.2 mm or more	Snow or Sleet 1.0 mm or more	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure	
						Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date															
1 SCOTLAND, E. — contd.																																		
Berwick — contd.																																		
Marchmont ... 99 152 4.6 -0.8 1.9 -1.7 8.9 7 -5.6 13 - - 44 74 9 21 15 8 5 7 0 0 0 0 16 - - 0 0.83 72 S																																		
Whitchester ... 99 255 4.2 -1.1 1.5 - 8.3 7 -6.1 13 - - 57 86 10 19,21 23 14 8 10 0 0 0 0 - 19 - - 0 - -																																		
St. Abb's Head ... 99 75 5.6 2.3 3.9 - 11.0 8 -3.0 13 - - - - - - - 7 1 0 0 0 1 8 16 - 1 - -																																		
Peebles																																		
Stanhope Farm ... 99 226 5.2 -1.4 1.9 - 9.4 7,8,21 -8.3 12 - - 82 72 28 13 15 12 4 4 0 0 0 1 19 24 - 0 - -																																		
Blyth Bridge ... 99 253 4.6 -1.4 1.6 - 8.9 8,21 -8.3 12 - - 53 62 15 13 14 11 7 2 0 0 0 0 19 24 - 1 0.76 -																																		
West Lynton ... 99 244 4.4 -1.9 1.3 - 8.9 8,21 -11.7 13 1.5 4.8 54 61 12 13 18 10 2 2 0 0 0 1 18 23 - 0 - -																																		
Glentress ... 99 177 5.8 -1.4 2.2 - 12.2 7 -9.4 13 - - 65 87 33 13 13 6 - 2 - - 0 18 - - 0 - -																																		
Selkirk																																		
Bowhill ... 99 183 4.9 -1.3 1.8 - 10.0 7 -7.8 13 - - 68 82 22 13 18 11 6 4 0 1 0 0 18 - - 0 - -																																		
Galashiels ... 99 198 4.5 -0.7 1.9 - 9.4 7 -7.2 12,13 - - 45 - 12 21 17 8 2 3 0 4 0 3 17 23 - 0 1.10 -																																		
Roxburgh																																		
Wauchope ... 99 171 4.4 -2.2 1.1 - 9.4 7 -9.4 19 - - - - - - - 4 6 0 0 0 1 22 - - 0 - -																																		
Kelso ... 99 35 5.2 -1.8 1.7 - 10.0 7,21 -8.3 13 - - - 6 21 16 7 5 5 0 1 0 3 22 28 - 0 0.40 - S																																		
Sourhope * ... 99 219 4.4 -0.7 1.9 -1.2 8.9 21 -5.6 5 - - - - - 5 13 0 1 0 0 19 25 - 0 0.80 -																																		
6a SCOTLAND, W.																																		
Argyll																																		
Tiree §§ 21-9 9 7.4 4.1 5.7 -0.7 10.4 8 -0.6 31 - - 121 103 20 20 28 21 5 0 0 7 0 0 1 9 10 5 0.65 69 -																																		
Rhuvaal ... 21-9 20 7.5 4.4 5.9 - 11.2 21 0.4 5 - - 152 95 25 13 23 19 1 0 0 0 0 0 0 0 1 - - -																																		
Colonsay ... 99 27 7.4 3.1 5.3 -0.6 10.6 21 0.0 12 - - 121 84 18 13 27 20 1 - 0 0 0 5 0 - 1 - -																																		
Aros ... 99 37 7.1 1.1 4.1 - 11.7 21 -5.0 4 - - - - - 4 0 0 0 0 4 12 20 - 0 - -																																		
Craighouse ... 99 3 - - - - - - - - - - - - - - - - - -																																		
Machrihanish ... 21-9 10 7.4 3.4 5.4 - 12.1 21 -2.3 4 - - 154 - 30 14 23 18 6 1 0 3 0 0 4 11 10 2 0.98 - -																																		
Campbeltown ... 99 3 - - - - - - - - - - - - - - - - - 0.98 -																																		
Achaglachgach ... 99 12 - - - - - - - - - - - - - - - - - -																																		
Knapdale Forest ... 99 40 6.9 0.9 3.9 - 10.6 8,9,21 -3.9 4 - - 155 - 23 13 24 18 2 1 0 0 0 1 13 20 - 2 - -																																		
Glenbranter ... 99 24 5.9 0.3 3.1 - 10.6 7,8 -6.1 27 - - 196 - 36 13 19 17 - 3 - - 1 15 19 - - - -																																		
Glen Etive ... 99 24 6.2 0.4 3.3 - 11.7 7 -5.0 4,26,27 - - 198 - 39 13 26 15 3 3 0 0 0 - 13 24 - 0 - -																																		
Benmore Y.B.G. ** 99 12 6.1 1.0 3.5 - 11.7 8 -3.9 4 - - 206 76 42 13 21 18 4 5 0 0 0 2 13 24 - 0 - -																																		
Bute																																		
Kildonan ... 21-9 18 7.2 3.6 5.4 - 12.1 8 -1.0 4 - - 137 - 23 14 18 17 2 - 0 0 0 0 2 8 6 4 1.11 - -																																		
Brodict Castle ... 99 15 7.6 2.4 5.0 - 12.8 8 -1.7 4 4.8 - 213 - 45 13 20 18 2 0 0 0 0 0 6 15 - 0 - -																																		
Rothsay §§ 99 43 6.6 2.5 4.5 -0.8 10.6 8 -1.1 4,5 4.4 6.4 128 85 21 13 19 17 3 1 0 0 0 0 4 16 - 0 1.03 105 S																																		
Dunbarton																																		
Finnart ... 99 15 - - - - - - - - - - - - - - - - - -																																		
Helensburgh ... 99 89 - - - - - - - - - - - - - - - - - -																																		
Sloy ... 21-9 12 6.0 1.3 3.7 - 13.0 7 -4.0 4 - - 199 - 44 13 19 17 7 - 0 0 0 0 12 - - 0 - -																																		
Cumbernauld ... 99 94 4.6 -0.9 1.9 - 9.4 7,8 -6.1 13,19 - - 87 - 24 21 15 13 3 3 0 0 0 3 18 30 - 0 - -																																		
Stirling																																		
Earl's Hill ... 21-9 335 3.2 -0.3 1.5 - 9.1 8 -5.0 5,29 - - 108 - 30 21 17 12 7 - 1 0 0 6 20 24 24 3 1.41 - -																																		
Stirling € 99 46 5.7 -0.1 2.8 -1.5 11.1 7,8 -6.1 12 2.3 7.5 82 86 25 21 15 12 5 3 0 0 0 6 14 24 - 0 0.64 -																																		
Falkirk Swge. Wks. 99 3 5.8 -0.3 2.7 - 11.1 8 -3.9 12,19,28 - - 64 - 21 21 15 10 1 2 0 0 0 2 16 - - 0 0.69 -																																		
Grangemouth ... 99 4 5.8 0.3 3.1 - 11.1 8 -3.9 27 - - 63 - 19 21 14 10 1 1 0 0 0 5 15 21 - 0 - -																																		
Renfrew																																		
Greenock ... 99 61 6.1 1.9 4.0 -1.2 10.6 7,8 -2.2 13,19 - - 133 75 26 13 21 14 3 4 0 0 0 4 9 19 - 0 0.98 185 S																																		
Paisley € 99 32 5.7 0.9 3.3 -1.5 10.6 7,8 -3.3 13,19 3.2 6.7 102 87 25 13 18 14 6 3 0 0 0 2 11 19 - 0 0.85 116 -																																		
Barrhead ... 99 30 6.0 0.2 3.1 - 10.6 6,8,21 -5.6 29 - - 97 80 25 13 16 14 7 2 0 0 0 4 13 20 - 0 - -																																		
Abbotsinch §§ 21-9 5 5.6 0.4 3.0 -1.4 11.4 8 -5.3 4 - - 91 86 25 21 16 13 6 1 1 2 0 4 17 24 20 0 0.90 108 -																																		
Lanark																																		
Crossmyloof ... 99 23 5.8 -0.3 2.7 - 11.7 8 -6.1 29 - - 75 - 20 21 16 13 2 2 0 1 0 4 18 - - 0 1.06 -																																		
Thortonhall ... 99 138 5.8 -0.4 2.7 -1.0 10.6 8,9 -7.2 13 - - 109 91 23 21 17 13 - 5 - - - 17 26 - - - S																																		
Glasgow, Springburn ... 99 107 5.0 0.0 2.5 -1.2 10.0 7,8 -7.2 19 - - 73 76 20 21 17 13 4 4 0 0 0 5 15 28 - 0 1.19 189 -																																		
Coatbridge ... 99 78 5.3 0.1 2.7 -1.1 10.6 8 -5.0 13 - - 69 83 19 21 15 11 4 2 0 1 0 4 15 - - 0 - -																																		
Salsburgh ... 21-9 274 3.6 -2.5 0.5 - 8.7 8 -5.0 12 - - - - - 6 - 0 0 0 4 17 22 22 0 - -																																		
Lowther Hill ... 99 723 - - - - - - - - - - - - - - - - - -																																		
Leadhills ... 99 387 3.3 -1.6 0.9 -1.5 7.8 6,7 -7.8 4,5 - - 110 95 77 13 18 14 8 7 0 0 0 4 19 21 - 0 - -																																		
Crawfordjohn ... 99 274 4.4 -1.9 1.3 - 8.4 23 -8.7 13 3.0 - 79 - 29 13 15 10 7 4 0 0 0 0 20 23 22 1 0.92 - -																																		
Lanark ... 99 152 5.3 -0.4 2.5 - 10.6 7,9 -6.7 12 - - 57 - (15) 13 13 9 3 3 0 0 0 1 15 - - 0 1.05 - S																																		
Carnwath ... 99 208 4.4 -2.7 0.9 -2.0 8.3 5,7,21 -10.6 13 - - 49 58 14 13 14 8 8 2 1 0 0 2 21 26 - 0 - -																																		
Camps Reservoir ... 99 295 3.9 -2.6 0.7 - 8.3 7,21 -7.8 4,12,13 - - 108 87 41 13 20 9 5 3 0 0 0 6 23 - - 0 - - S																																		
Ayr																																		
Girvan ... 99 8 7.2 2.7 4.9 - 11.7 7 -1.7 4,29 - - 109 - 22 14 20 16 3 0 0 0 0 0 6 14 - 1 1.16 - -																																		
Hunterston ... 99 8 7.1 2.6 4.9 - 11.1 7 -1.1 4,29 - - 111 - 18 13 16 16 2 3 0 0 0 0 0 4 - - 0 - -																																		
Largs ... 99 6 - - - - - - - - - - - - - - - - - -																																		
Barr ... 99 122 6.4 -0.2 3.1 - 10.6 23 -6.7 12 - - 166 - 34 13 21 19 - 4 - - - 4 15 - - -																																		
Auchincruive € 99 45 6.3 1.1 3.7 -0.9 10.6 21 -4.4 4 4.8 7.1 92 91 18 21 17 12 3 0 0 0 0 1 12 20 - 0 1.29 117 -																																		
Prestwick ... 21-9 16 6.2 1.4 3.8 - 10.7 21 -5.6 4 - - 85 90 19 21 15 12 3 1 0 1 0 0 16 17 17 0 1.30 - -																																		
Kilmarnock ... 99 34 6.3 0.8 3.5 -0.9 11.1 8,20,21 -5.0 4,12,13 4.6 7.8 99 96 22 13 16 13 3 1 0 0 0 1 12 20 - 0 1.03 107 -																																		
Dumfries																																		
Dalmacallan ... 99 146 - - - - - - - - - - - - - - - - - -																																		
Dumfries §§€ 99 49 5.4 -0.2 2.6 -1.7 10.6 7 -5.6 12,19 3.7 6.6 120 110 39 13 14 12 4 - 0 0 0 0 16 21 - 0 0.84 76 -																																		
Eskdalemuir §§€ 21-9 242 4.1 -0.9 1.6 -1.3 9.2 7 -7.0 27 4.8 7.1 146 92 45 13 17 14 9 4 0 2 0 3 20 22 23 0 1.18 103 -																																		
Kirkcudbright																																		
Bargrennan ... 99 110 6.2 0.3 3.3 - 11.1 8 -5.0 12,13 - - 163 100 35 13 22 17 4 3 0 0 0 0 14 23 - 0 - -																																		
Palnure ... 99 15 6.3 0.3 3.3 - 10.6 8 -5.6 12,13 - - 133 91 30 13 18 15 3 2 0 0 0 0 14 19 - 0 - -																																		
Clatteringshaws ... 99 178 5.5 -0.1 2.7 - 10.6 8 -5.6 5,12,13 - - 199 89 46 13 20 17 - 2 - - - 2 13 - - 1.24 -																																		
Glenlee ... 99 55 5.8 -0.9 2.5 -1.5 11.1 6,7,8 -7.2 12,19 - - 176 103 52 13 16 14 5 7 0 0 0 2 16 24 - 0 - -																																		
Dundeugh ... 99 119 5.1 -0.9 2.1 - 10.0 6,7 -8.3 12 4.5 - 145 86 40 13 18 15 7 6 0 0 0 3 18 - - 0 - -																																		
St. Mary's Isle ... 99 12 6.0 0.4 3.2 - 10.6 7 -7.2 12 - - 135 - 39 13 17 14 - 0 - - - 0 13 14 - - -																																		
Glenlochar Barrage ... 99 47 5.7 -0.9 2.4 - 11.1 7 -5.6 12,27 - - 156 121 49 13 20 13 4 6 0 0 0 3 16 - - 0 - -																																		
Threave ... 99 73 5.6 -0.2 2.7 - 10.6 7 -6.1 27 3.6 - 166 127 59 13 20 12 5 6 0 2 0 1 15 25 - 0 - -																																		
Castle Douglas ... 99 60 - - - - - - - - - - - - - - - - - 1.15 - S																																		
Wigtown																																		
West Freugh ... 99 15 7.5 1.4 4.5 - 10.7 21 -4.0 5 - - 99 87 15 13 19 15 - - - - - 13 - - 1.03 - -																																		
Penwhirn ... 99 166 5.6 0.5 3.1 - 9.4 21 -5.6 19 - - 188 111 25 13 23 19 4 3 0 0 0 0 12 18 - 0 1.14 - -																																		
Mull of Galloway ... 21-9 78 7.0 3.9 5.5 - 10.5 7 0.0 4,5 - - - - - 2 0 0 1 0 0 0 - 4 - -																																		
Newton Stewart ... 99 26 6.3 0.6 3.5 - 10.0 7,8,21 -5.6 12,13 - - 127 - 28 13 22 15 4 2 0 0 0 0 14 18 - 0 - -																																		



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS DECEMBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE			
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1931-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1910-50 average	Amount (mm.)	Date	Precip'n 0.2 mm or more 1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1931-60 average	Exposure
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date																				
6b ISLE OF MAN																															
Ronaldsway ...	21-9	17	7.6	3.5	5.5	-	11.3	7	-2.9	4	-	-	112	118	26	13	17	13	6	0	1	2	0	0	7	12	9	2	1.44	-	-
Douglas ...	99	87	7.4	(2.8)	(5.1)	(-1.0)	10.6	7, 8, 21	-1.1	4	-	-	161	130	40	13	16	15	5	1	1	0	0	7	12	-	4	1.43	99	-	
Point of Ayre ...	21-9	9	7.3	3.9	5.6	-	12.3	2	-1.7	13	-	-	95	110	26	13	16	14	4	0	0	0	0	3	-	-	9	1.07	-	-	
2 ENGLAND, N.E.																															
Northumberland																															
Kielder Castle ...	99	201	4.0	-2.8	0.6	-	9.4	7	-9.4	13, 14	2.9	-	81	73	17	21	16	11	7	7	0	2	0	7	23	28	-	0	-	-	-
Haydon Bridge ...	99	79	5.6	-1.6	2.0	-	10.6	21	-7.8	13, 28	2.6	4.9	22	-	6	20	10	6	5	3	0	0	2	20	25	-	0	-	-	-	
Corbridge ...	99	49	5.4	-1.0	2.2	-	11.1	21	-7.8	28	-	-	22	-	8	20	10	6	5	2	0	0	0	1	19	23	-	0	-	-	-
Berwick-on-Tweed †	99	23	5.8	0.2	3.0	-1.7	10.6	7	-5.0	13, 14	-	-	35	80	7	21	18	10	5	2	3	0	0	1	12	22	-	0	0.81	55	-
Acklington ...	21-9	42	5.1	0.7	2.9	-1.4	10.4	7	-4.4	28	-	-	41	69	9	20	14	11	8	5	0	7	0	1	13	17	18	0	1.22	-	-
Tynemouth †	21-9	29	5.3	2.3	3.8	-1.6	10.3	7	-2.1	5	-	-	46	75	8	6	14	9	8	3	2	0	0	1	5	14	-	1	0.96	90	-
Seahouses ...	21-9	11	5.7	1.7	3.7	-	10.3	7	-3.0	13	-	-	45	-	8	16	17	13	11	0	1	5	0	10	20	20	1	0.88	-	-	
Durham																															
Chopwellwood ...	99	136	5.1	0.2	2.7	-1.3	10.0	21	-5.0	27	-	-	41	63	14	20	17	7	5	4	0	0	0	1	16	23	-	0	-	-	-
Upshaw College ...	99	181	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Houghall ...	99	37	-	-	-	-	-	-	-	-	-	-	48	79	10	20	22	13	5	5	0	2	0	1	-	27	-	0	-	-	-
Durham †	99	102	5.0	0.3	2.7	-1.4	10.0	7	-6.7	19	3.9	7.4	46	79	9	20	16	12	-	4	-	-	6	12	23	-	-	0.93	65	-	
Hartlepool ...	99	9	5.9	1.7	3.8	-	11.1	21	-1.7	5	-	-	38	75	8	20	20	11	5	5	1	0	0	1	7	-	1	0.83	-	-	
Yorks., N. Riding																															
Leeming ...	21-9	32	5.1	0.7	2.9	-	10.0	21	-6.8	19	-	-	56	-	9	13	17	11	11	8	0	6	0	5	14	24	24	0	1.06	-	-
York (Heslington) ...	99	20	4.8	0.7	2.7	-	10.0	21	-3.9	19	3.0	5.6	54	-	12	20	15	13	-	2	-	-	-	3	10	22	-	-	0.79	-	-
Ampleforth ...	99	95	5.3	0.5	2.9	-1.1	10.0	21	-2.2	4, 6, 20	-	-	75	114	10	3	17	16	3	-	0	0	0	5	9	22	-	0	0.45	41	-
Redcar ...	99	8	6.3	1.6	3.9	-	11.1	21	-2.2	5	-	-	47	91	7	2	23	14	-	3	-	-	-	0	8	-	-	-	0.76	-	-
Pickering ...	99	44	4.6	-0.5	2.1	-	10.2	21	-6.6	6	-	-	77	-	10	20	21	16	7	16	0	3	0	3	20	22	-	0	-	-	-
Whitby ...	99	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Scarborough ...	99	36	(5.7)	(2.2)	(3.9)	(-1.4)	10.0	21	-1.7	5	(4.2)	(7.3)	82	132	14	4	21	18	-	5	-	-	-	3	2	-	-	-	0.57	48	S
Silpho Moor ...	99	203	4.4	0.0	2.2	-	8.9	21	-4.4	5	3.3	-	125	154	11	20	26	22	6	10	0	2	0	9	16	22	-	0	0.78	-	-
Whitby Coast Guard	21-9	63	5.3	2.1	3.7	-	10.6	22	-2.8	5	-	-	64	-	10	20	21	18	11	2	4	1	0	0	9	12	13	3	-	-	-
Yorks., E. Riding																															
High Mowthorpe ...	99	175	4.1	0.1	2.1	-	9.4	21	-4.4	1	2.7	-	86	119	17	6	25	21	-	11	-	-	-	4	13	21	-	-	0.90	-	-
Hull †	99	2	5.6	1.3	3.5	-1.4	10.6	21	-2.8	5	4.2	8.4	76	134	10	12	23	18	10	6	1	0	0	0	9	20	-	0	0.65	63	-
Filey ...	99	37	5.3	1.1	3.2	-	10.0	21	-3.9	6	-	-	85	124	14	4	23	19	3	9	1	5	0	1	6	14	-	0	0.53	-	-
Bridlington †	99	48	5.2	1.0	3.1	-1.2	8.9	22	-5.0	6	-	-	98	142	14	4	23	20	7	4	0	6	0	0	5	14	-	0	0.68	51	-
Kilnsea ...	21-9	12	5.0	1.6	3.3	-	9.0	21	-3.2	5	-	-	74	-	10	20	19	14	10	2	4	1	0	1	6	-	-	4	0.43	-	-
Lincoln																															
Waddington ...	21-9	68	4.3	1.0	2.7	-1.5	10.3	21	-3.2	19	-	-	62	-	8	20	16	13	11	5	0	3	0	4	15	20	19	0	0.93	67	-
Lincoln †	99	7	4.8	-0.1	2.3	-1.8	11.1	21	-5.6	27	4.2	6.6	69	136	11	24	19	15	5	6	0	0	0	2	16	23	-	0	0.75	-	S
Cranwell †	99	62	4.9	0.2	2.5	-1.7	10.3	21	-3.9	19	3.6	6.3	65	132	9	14	16	14	7	5	0	0	0	4	16	20	18	0	0.97	62	-
Brigg ...	99	3	4.7	0.3	2.5	-	9.4	21	-3.9	27	-	-	77	-	11	12, 24	20	15	8	6	0	0	0	4	13	22	-	0	-	-	-
Caistor ...	99	30	-	-	-	-	-	-	-	-	-	-	64	-	13	14	15	14	-	-	-	-	-	-	-	-	-	-	-	-	
Binbrook ...	21-9	108	4.1	1.1	2.6	-	9.9	21	-3.5	5	-	-	75	-	13	20	20	15	12	9	0	4	0	6	12	21	13	1	-	-	-
Cleethorpes ...	99	7	5.5	1.6	3.5	-1.3	10.6	21	-2.8	6	-	-	73	140	10	20	19	16	6	5	0	1	0	2	3	7	-	2	0.43	30	-
Manby ...	21-9	17	4.8	1.5	3.1	-	10.4	21	-4.5	5	4.1	-	69	130	10	20	20	17	11	6	0	10	0	0	8	19	15	0	0.63	-	-
Skegness ...	99	5	5.1	1.1	3.1	-1.6	8.9	21	-4.4	6	-	-	65	126	10	20	15	14	5	7	0	0	0	1	8	-	-	1	0.74	50	-
3 ENGLAND, E.																															
Norfolk																															
Terrington St. Cl. †	99	4	4.7																												



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS DECEMBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days														BRIGHT SUNSHINE		
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1916-50 average	MOST IN A DAY		Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date	0.2 mm or more	1.0 mm or more													
3 ENGLAND, E. — contd.																																
Essex																																
Harlow ...	99	79	5.3	0.3	2.8	-	10.6	21	-5.0	1,6,7	-	8.2	58	-	12	14	18	16	6	4	1	0	0	5	13	-	-	0	0.57	-	S	
Stansted ...	99	101	4.3	1.0	2.7	-1.5	10.5	21	-4.4	6	-	-	65	119	16	14	18	12	10	5	0	0	0	4	13	17	16	0	-	-	-	
Writtle ...	99	32	5.9	0.9	3.4	-	10.6	3,21	-7.2	1	4,8	-	53	101	11	21	18	12	7	4	0	0	0	4	8	17	-	0	0.36	-	-	
Southend ...	99	27	5.3	1.6	3.9	-1.1	10.0	3	-2.2	6	-	-	44	91	8	5	17	13	5	3	0	0	0	3	6	-	-	0	0.21	-	-	
Maldon ...	99	4	5.6	1.3	3.5	-	10.0	3	-5.6	1	-	-	43	-	8	21	21	12	6	-	0	0	0	4	11	-	-	0	-	-	-	
Earls Colne ...	99	49	5.5	0.9	3.2	-	10.0	3,24	-4.4	2	5,0	7.9	66	121	13	14	19	14	-	5	-	-	-	0	12	17	-	-	-	-	-	
Shoeburyness †	21-9	2	5.2	2.5	3.9	-1.3	10.6	3	-2.4	5	-	-	35	78	7	5	17	8	10	3	0	1	0	2	8	15	13	0	0.53	36	-	
Clacton-on-Sea €	99	16	5.3	1.6	3.5	-2.5	10.0	3	-2.8	1	5,8	8.3	50	98	9	5	16	13	3	2	0	0	0	1	8	15	-	0	0.48	31	-	
Walton-on-Naze	21-9	5	5.0	2.1	3.5	-	9.6	3	-3.2	1	-	-	57	-	13	14	18	12	5	0	0	0	0	1	6	8	8	4	0.44	-	-	
Dovercourt ...	99	3	5.4	(1.6)	(3.5)	(-0.4)	8.9	3,25	-3.9	6	-	-	56	109	9	14	15	14	2	-	0	0	0	0	8	21	-	0	0.31	-	-	
4 MIDLAND COUNTIES																																
Yorks., W. Riding																																
Slaidburn ...	99	192	4.7	-0.3	2.2	-	9.4	21	-5.0	28	-	-	129	84	23	20	22	15	5	4	0	0	0	4	18	25	-	0	1.14	-	-	
Malham Tarn ...	99	395	3.6	0.8	1.4	-	7.8	8,9	-5.6	5	3,3	-	114	76	19	21	19	16	8	11	0	0	0	10	20	26	-	0	1.28	-	-	
Huddersfield §	99	99	1.2	-	-	-	11.7	21	-4.4	27,28	3,7	6,7	52	76	9	14	14	12	-	2	-	-	-	1	12	-	-	-	0.75	104	-	
" Oakes	21-9	235	4.4	1.0	-	-	10.0	21	-3.8	5	3,2	5,8	71	83	10	14	18	15	12	3	0	2	0	2	15	19	18	0	1.20	-	-	
Bradford €	99	134	5.2	0.8	3.0	-1.2	10.6	21	-3.3	28	4,3	7,0	70	90	15	20	20	13	7	4	0	4	0	2	14	22	-	0	-	-	S	
Ilkley ...	99	96	5.8	1.2	3.5	-0.6	11.7	21	-4.4	28	-	-	60	66	15	20	18	13	6	4	0	0	0	1	12	-	-	0	1.00	90	S	
Sheffield ...	99	131	5.8	1.6	3.7	-1.2	11.1	23	-2.2	5	4,2	7,7	73	98	20	20	17	14	6	2	0	0	0	-	13	20	-	0	0.98	100	S	
Pontefract ...	99	78	5.3	1.2	3.2	-1.2	10.6	21	-2.2	5,19	-	-	51	106	9	20	17	10	5	2	0	0	0	3	15	15	-	0	-	-	-	
Bramham ...	99	54	5.1	0.8	2.9	-	10.6	21	-2.8	19	-	-	56	90	10	20	17	11	1	1	0	1	0	2	15	26	-	0	0.79	-	-	
Cawood ...	99	6	5.0	0.2	2.6	-	8.3	22,24	-3.3	19	3,5	6,3	53	102	9	20,24	18	11	3	1	0	0	0	1	14	25	-	0	0.66	-	-	
Askham Bryan ...	99	34	4.8	0.5	2.7	-	10.0	21	-3.9	19	-	-	54	98	10	3	15	13	6	4	0	0	0	2	11	20	-	0	0.74	62	-	
Derby																																
Buxton €	99	307	4.2	-0.3	1.9	-1.4	9.4	21	-7.2	19	2,9	5,3	118	96	19	2	21	18	9	7	0	0	0	6	16	20	-	0	-	-	-	
Ashover ...	99	186	5.2	0.8	3.0	-	10.6	21	-3.3	5,6	-	-	89	-	16	20	19	14	9	4	0	0	0	4	14	22	-	0	1.24	-	-	
Derby ...	99	48	6.1	1.2	3.7	-	11.7	21	-3.3	1,27	-	-	72	113	15	24	19	14	8	2	0	0	0	1	12	19	-	1	0.95	-	-	
Morley ...	99	107	5.3	0.4	2.9	-	11.1	21	-3.9	5	-	-	75	115	17	20,24	16	13	4	-	0	0	0	-	14	21	-	0	1.12	-	S	
Wingerworth ...	99	127	5.5	0.6	3.1	-	11.1	21	-3.9	28	-	-	84	-	15	24	20	14	9	3	0	1	0	3	17	23	-	0	-	-	-	
Nottingham																																
Sutton Bonington	99	48	5.8	0.8	3.3	-1.1	11.7	21,22	-3.9	27	5,0	7,5	51	105	10	14	16	14	5	2	0	0	0	1	16	24	-	0	1.00	90	-	
Watnall ...	21-9	117	5.0	1.3	3.1	-1.0	10.7	21	-2.9	18	-	-	78	132	16	20,24	18	14	13	3	0	6	0	4	14	19	17	0	1.15	93	-	
Mansfield ...	99	110	(5.2)	1.0	(3.1)	(-1.2)	10.0	21	-2.2	5,19	3,0	-	80	129	17	24	19	13	5	3	0	0	0	0	11	24	-	0	-	-	-	
Nottingham †	99	59	6.0	1.3	3.7	-1.0	11.7	22	-2.2	27,28	3,3	6,0	51	98	10	20	15	13	5	4	0	0	0	4	10	22	-	0	0.96	92	-	
Warsop ...	99	46	5.5	0.3	2.9	-	11.1	21	-3.9	6,27	-	-	72	142	16	24	18	14	-	-	-	-	-	3	17	26	-	-	0.91	-	-	
Finningley ...	21-9	10	5.3	1.4	3.3	-1.3	10.9	21	-2.5	27	-	-	74	-	11	24	18	14	11	2	0	5	0	3	12	19	18	0	0.78	-	-	
Leicester																																
Newtown Linford	99	119	5.2	0.4	2.8	-	11.1	21	-4.4	6	-	-	64	111	9	14	19	16	6	3	0	2	0	2	13	19	-	0	1.13	-	-	
Caldecott ...	99	53	5.6	-0.3	2.7	-	11.1	21	-5.6	1,6	-	-	59	123	12	14	17	14	-	2	-	-	-	3	17	22	-	-	0.63	-	-	
Northampton																																
Bugbrooke Mills	99	69	(5.4)	(0.4)	(2.9)	-	11.7	21	-6.1	19	4,6	7,4	64	123	13	11	20	15	-	3	-	-	-	4	16	-	-	-	0.82	-	-	
Raunds †	99	59	5.2	0.6	2.9	-1.1	11.1	21	-3.9	6	4,0	8,2	53	110	8	11	18	15	6	4	0	2	0	3	13	22	-	0	0.71	58	-	
Wittering ...	99	65	4.9	1.2	3.1	-1.4	11.0	21	-3.6	5	-	-	58	118	11	14	16	12	14	6	0	4	0	2	12	24	20	0	0.96	-	-	
Warwick																																



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS DECEMBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)			WEATHER Number of Days										BRIGHT SUNSHINE						
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1910-50 average	Most in A DAY (mm.)	Date	Precip'n		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure	
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date							0.2 mm or more	1.0 mm or more														
4 MIDLAND COUNTIES — contd.																																	
Hereford																																	
Lyonshall ...	99	155	5.7	0.5	3.1	-1.2	10.6	2, 7, 21	-6.1	19	-	-	77	98	15	20	20	14	-	-	-	-	-	-	16	25	-	-	-	-	-	-	
Ross-on-Wye §§€	21-9	68	5.9	1.7	3.8	-1.5	11.9	21	-4.2	27	4.6	7.7	40	58	12	13	21	9	4	4	0	0	0	2	13	23	20	0	1.29	80	-	-	
Preston Wynne	99	84	5.8	-0.3	2.7	-	11.1	2, 7, 21	-7.2	27	-	-	51	86	10	13, 19	20	10	4	5	0	1	0	2	15	27	-	1	1.37	-	-	-	
Gloucester																																	
Filton ...	21-9	59	6.3	2.3	4.3	-1.1	12.2	21	-3.8	19	-	-	57	76	7	13, 21	19	10	8	4	0	1	0	3	10	14	13	0	1.38	-	-	-	
Hempsted ...	99	12	6.4	0.8	3.6	-	12.2	21	-4.4	1	6.0	9.6	53	78	10	13	17	12	6	0	0	0	0	2	11	20	-	0	1.09	-	-	-	
Gloucester ...	21-9	24	6.2	2.6	4.4	-	12.7	21	-3.6	19	-	-	49	-	9	13	18	11	7	1	0	1	0	5	10	14	12	0	1.00	-	-	-	
Cheltenham ...	99	65	5.7	0.8	3.3	-1.6	12.8	21	-4.4	1	-	-	65	104	11	13	19	15	-	-	-	-	-	12	-	-	-	-	0.95	-	-	-	
Cirencester ...	99	135	5.7	0.2	2.9	-	11.1	21	-3.9	19	-	-	84	106	14	11	22	13	5	6	0	2	0	7	14	21	-	0	1.37	-	-	-	
Little Rissington	21-9	226	4.3	0.6	2.5	-	10.6	21	-3.8	6	-	-	78	104	20	11	16	10	11	6	0	1	0	3	15	21	20	0	1.36	-	-	-	
5 ENGLAND, S.E.																																	
Greater London																																	
Kensington Palace	99	25	6.2	1.9	4.1	-1.4	11.1	3, 21	-2.2	6	4.7	7.6	56	101	11	14	16	11	6	2	0	0	0	2	10	20	-	0	-	-	-	-	
Hampstead ...	99	137	(5.7)	(0.9)	(3.3)	(-1.0)	11.4	21	-2.9	19	-	-	53	87	9	14	15	10	2	-	0	0	0	-	(13)	(21)	-	0	0.59	51	8	-	-
St. James's Park	99	4	6.6	1.9	4.3	-1.5	11.1	3, 21	-2.8	20	-	-	53	103	11	14	13	12	2	-	0	0	0	-	7	-	-	0	-	-	-	-	
London/W. Centre																																	
Greenwich ...	99	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.61	72	-	-	-	
Heathrow ...	21-9	25	-	1.2	-	-	-	-	-6.7	6	-	-	45	90	10	21	18	11	3	3	0	0	0	3	10	19	-	0	0.37	42	-	-	-
Hampton ...	99	12	6.0	1.5	3.7	-	11.7	3	-2.8	6	-	-	39	73	11	14	18	9	6	3	0	0	0	5	8	19	-	0	0.54	-	-	-	
Wealdstone ...	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.60	-	-	-	
Southgate ...	99	67	6.6	1.4	4.0	-	12.2	3	-2.8	1	5.9	-	55	97	9	14	17	2	8	3	0	0	0	2	11	17	-	0	0.74	-	-	-	
Kew §§€	21-9	5	5.7	1.7	3.7	-	11.6	3	-4.8	19	5.1	7.9	42	80	11	14	17	9	8	3	0	3	0	3	15	19	17	0	0.53	41	-	-	-
Waddon ...	99	67	-	1.1	-	-	-	-	-5.6	1	-	-	59	84	19	21	14	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Addington ...	99	144	4.9	0.7	2.8	-1.7	10.0	3	-3.9	1	-	-	66	90	17	14	21	12	-	-	-	-	-	1	13	-	-	-	-	-	-	-	
Bromley ...	99	65	-	(0.7)	-	-	-	-	-5.0	5	-	-	53	89	15	14	10	10	-	2	-	-	-	-	2	13	-	-	-	-	-	-	
Surrey																																	
Gatwick ...	21-9	59	5.3	0.8	3.1	-1.3	11.2	3	-8.8	1	-	-	77	95	19	21	20	10	11	2	0	3	0	2	17	19	18	0	0.35	-	-	-	-
Wiseley €	99	35	6.1	1.1	3.6	-1.1	11.1	3	-5.0	1	5.7	8.2	56	87	18	14	15	11	-	2	-	-	-	5	12	21	-	0	0.51	41	-	-	-
Mickleham ...	99	55	-	-	-	-	-	-	-	-	-	-	74	93	22	22	16	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Kent																																	
Dartford ...	99	5	6.2	1.3	3.7	-	11.1	2, 3	-4.4	1	-	-	-	-	-	-	-	6	3	0	1	0	4	12	-	-	0	-	-	-	-	-	
Hadlow College	99	27	5.9	0.7	3.3	-	11.1	3	-7.2	1	5.3	8.2	60	-	17	14	16	11	5	3	0	0	0	1	14	20	-	0	0.48	-	-	-	-
Gillingham ...	99	4	5.8	1.6	3.7	-	10.6	3	-2.8	1, 6	-	-	44	76	14	14	16	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Isle of Grain ...	99	3	(6.4)	(2.4)	(4.4)	-	11.1	3	-3.3	31	-	-	37	-	8	5	14	11	3	3	0	0	0	1	5	11	-	0	0.41	-	-	-	-
Dungeness ...	21-9	3	6.3	2.3	4.3	-1.4	11.3	3	-3.5	6	-	-	59	90	8	22	19	13	7	0	0	0	0	10	-	-	6	-	-	-	-	-	
Whitstable ...	99	3	5.4	1.5	3.9	-	10.0	24	-2.8	7	-	-	53	106	13	14	19	11	6	0	0	0	0	1	11	-	-	3	0.45	-	-	-	-
Folkstone ...	99	39	5.6	(1.7)	(3.7)	-	10.0	2, 3	-2.8	6	-	9.2	86	126	14	7	21	15	6	1	0	1	0	0	11	16	-	3	0.94	-	-	-	-
Elmstone ...	99	9	5.1	0.9	3.0	-	9.4	2, 3, 24	-4.4	6	-	-	54	-	17	14	15	11	-	2	-	-	-	1	16	-	-	-	-	-	-	-	
Herne Bay ...	99	6	5.4	2.1	3.7	-	10.0	24	-2.2	6	-	-	53	97	12	14	16	12	4	0	0	0	0	1	6	-	-	1	0.49	-	-	-	-
Dover ...	99	6	(5.9)	2.0	(3.9)	(-1.9)	12.2	3	-2.2	1, 6	5.2	7.6	74	100	11	22	19	13	2	0	0	2	0	1	6	8	-	0	0.81	-	-	-	-
Deal ...	21-9	5	5.4	1.9	3.7	-	9.8	2, 24	-4.0	17	-	-	59	-	11	6	21	13	5	1	1	0	0	0	11	13	10	0	-	-	-	-	-
Manston ...	21-9	44	4.6	1.8	3.2	-	9.3	24	-3.9	6	-	-	55	111	14	14	16	10	11	1	2	1	0	3	14	12	12	0	-	-	-	-	-
Ramsgate ...	99	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Margate €	99	16	5.5	2.3	3.9	-2.0	9.4	24	-1.7	6	4.9	8.1	54	113	12	14	16	10	3	0	0	1	0	1	4	9	-	1	0.45	30	8	-	-
West Malling ...	99	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Goudhurst ...	99	85	5.2	0.4	2.8	-	10.0	3	-5.6	1	-	-	75	86	17	14	20	13	4	2	0	3	0	3	15	22	-	0	-	-	-	-	-
East Malling §§	99	37	5.6	0.9	3.3	-1.4	10.6	3	-6.1	1	4.4	7.5	65	99	14	14	20	15	7	5	0	0	0	3	13	17	-	0	0.54	41	-	-	-
Throwley ...	99	150	4.6	0.4	2.5	-	10.3	3	-4.4	6, 7	4.1	7.2	96	118	17	5	21	15	11	5	0	0	0	6	14	19	-	2	0.55	-	-	-	-
Faversham ...	99	48	5.1	1.0	3.1	-	10.0	3	-4.4	1	5.1	7.7	58	-	15	14	17	15	8	3	0	0	0	3	12	20	-	0	0.51	-	-	-	-
Wye ...	99	56	5.2	0.4	2.8	-1.8	10.6	3	-7.2	1	4.8	7.2	80	102	15	14	17	15	4	1	0	0	0	5	15	18	-	0	0.67	44	-	-	-
Sussex																																	
Thorney Island	21-9	3	6.5	2.1	4.3	-	12.2	3	-4.8	6	-	-	72	100	12	21	16	13	7	1	0	1	0	2	12	17	15	1	1.00	-	-	-	-
Bognor Regis ...	99	7	6.6	1.7	4.1	-1.8	11.1	3	-3.3	6	-	9.2	76	97	9	16	19	13	3	1	0	0	0	0	8	18	-	1	1.08	56	-	-	-
Fernhurst ...	99	57	6.0	0.5	3.3	-	11.2	3	-6.7	1	4.6	-	102	103	26	14	20	12	3	-	0	4	0	-	16	17	-	0	0.56	-	-	-	-
Littlehampton ...	99	5	6.8	1.6	4.2	-1.4	11.7	3	-4.4	6, 7	-	8.7	79	105	12	14	16	11	2	1	0	0	0	1	10	-	-	0	0.90	49	-	-	-
Rustington ...	99	3	6.7	1.1	3.9	-	11.7	3	-6.1	6	-	8.2	82	-	12	14	17	11	-	1	-	-	-	-	13	20	-	-	0.75	-	-	-	-
North Heath ...	99	21	6.2	0.7	3.5	-	11.7	3	-8.3	1	4.8	8.4	79	-	17	14	12	11	4	2	0	0	0	3	14	24	-	0	0.63	-	-	-	-
Worthing ...	99	8	6.6	2.0	4.3	-1.5	11.7	3	-3.3	6	5.5	-	78	107	13	14	18	11	4	2	0	0	0	0	8	17	-	1	0.98	49	-	-	-
Brighton ...	99	10	(6.8)	2.4	(4.6)	-	11.1	3	-3.3	6	-	8.6	74	103	15	5	17	13	4	0	2												







TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS DECEMBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days														BRIGHT SUNSHINE		
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911-60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1910-50 average	MOST IN A DAY		Precip'n		Snow or Sleet 1.0 mm or more	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911-60 average	Exposure		
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm)	Date	0.2 mm or more	1.0 mm or more															
8a. SOUTH WALES.																																		
Cardigan																																		
Aberporth ...	21-9	133	6.3	3.1	4.7	-1.5	11.0	3.21	-2.5	27	-	-	100	87	21	13	21	15	7	0	2	2	1	0	8	12	12	1	1.33	-	-	-		
Gogerddan ...	99	31	7.1	0.7	3.9	-	12.8	21	-5.6	13	-	-	109	108	20	2	21	18	5	2	1	0	0	2	16	22	-	0	1.28	-	-	-		
Swyddffynnon ...	99	165	6.1	-0.2	2.9	-	10.6	21	-7.2	13	-	-	156	112	33	21	18	17	-	3	-	-	-	3	16	23	-	-	1.15	-	-	-		
Trawscoed ...	99	61	6.1	0.6	3.3	-	10.6	20,21	-5.6	12,13	6.3	-	148	120	30	2	18	17	2	0	1	0	0	0	14	17	-	0	0.80	-	-	-		
Llety-evan-hen ...	99	290	5.4	0.9	3.1	-	10.6	21	-3.3	29,30	-	-	155	110	41	2	19	17	4	0	1	0	0	3	14	19	-	1	1.46	111	-	-		
Cwmystwyth ...	99	301	5.3	-0.3	2.5	-	10.0	31	-5.6	13	-	-	242	-	63	2	21	20	-	7	-	-	-	19	22	-	-	-	-	-	-	-		
Pembroke																																		
Dale Fort ...	99	33	8.5	4.4	6.5	-	12.2	2,23	-0.6	30	6.7	-	86	-	13	2	25	14	2	1	0	0	0	0	2	14	-	2	1.47	-	-	-		
Milford Haven C.B.*	21-9	37	8.0	4.4	6.2	-	11.7	7	-0.5	13	-	-	116	-	22	13	23	18	3	0	0	0	2	0	4	14	7	2	-	-	-	-		
Brawdy ...	99	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Orielton ...	99	61	(7.9)	(2.4)	(5.1)	-	11.7	23	-2.2	30	(6.9)	-	112	-	24	13	25	17	-	0	-	-	-	0	9	20	-	-	-	-	-	-		
Haverfordwest ...	99	8	8.1	0.6	4.3	-	11.7	2,20,21	-5.6	13,27,28	-	-	138	-	37	13	21	18	0	-	0	0	0	0	13	-	0	1.16	-	-	-	-		
Carmarthen																																		
Carmarthen ...	99	15	7.4	-0.4	3.5	-	11.7	2,7	-6.7	13	6.1	-	135	-	38	13	20	18	5	1	1	0	0	0	18	22	-	3	1.60	-	-	-		
Cenarth Mill ...	21-9	282	4.8	0.2	2.5	-	10.4	21	-7.4	27	-	-	96	-	18	13	19	14	-	5	-	-	-	1	17	21	-	-	-	-	-	-		
Radnor																																		
Llandrindod Wells	99	235	5.3	-0.5	2.4	-1.7	10.0	7,23	-6.1	28	4.4	-	103	94	17	13	21	15	7	6	0	0	0	0	18	-	0	0.55	53	S	-	-		
Brecknock																																		
Llwynon ...	99	262	5.7	-0.5	2.6	-	10.0	20	-4.4	5,13,19	-	-	155	-	31	13	25	19	6	6	0	0	0	5	19	-	0	-	-	-	-	-		
Glamorgan																																		
Mumbles ...	21-9	36	7.3	2.8	5.1	-	11.3	7	-2.2	29	-	-	-	-	-	-	-	-	4	1	0	0	2	0	7	17	8	3	-	-	-	-		
Penmaen ...	99	82	7.0	1.8	4.4	-	10.6	2,9,20	-2.8	5	6.2	7.6	115	-	25	13	21	16	5	1	0	0	1	2	14	19	-	0	-	-	-	-		
Swansea ...	99	8	7.7	2.1	4.9	-1.6	11.7	2,7,9	-2.2	5	4.8	8.6	117	102	19	20	22	16	3	2	0	0	0	3	6	-	0	1.35	92	S	-	-		
Port Talbot ...	99	7	7.7	1.7	4.7	-	11.7	2,7,8	-2.8	5,13,28	-	-	93	84	13	20	21	15	7	3	0	0	0	0	10	18	-	-	1.78	-	-	-		
Neath ...	99	62	7.8	1.8	4.8	-	11.1	2,7,22	-1.7	13,27,31	-	-	119	90	20	20	21	16	5	1	0	0	1	3	8	22	-	0	-	-	-	-		
Rhoose ...	21-9	67	6.5	2.2	4.3	-	11.4	7	-3.4	5	-	-	67	74	13	2	18	14	6	3	0	2	0	1	10	18	15	0	1.62	125	-	-		
Cardiff ...	99	62	7.1	1.6	4.3	-1.2	11.7	7	-2.2	13,27,31	6.3	8.8	87	78	13	19	19	15	6	-	0	0	0	1	10	29	-	-	-	-	-	-		
Monmouth																																		
Tredegar ...	99	313	5.2	-0.3	2.5	-	9.4	2,20,21	-4.4	19,20	-	-	175	99	43	13	23	20	7	5	0	0	0	11	16	-	0	-	-	-	-	-		
Newport ...	99	23	7.8	1.0	4.4	-0.9	11.7	7	-3.9	27	-	-	81	78	14	20	18	13	5	4	0	1	0	1	15	24	-	0	1.71	-	-	-		
Usk ...	99	21	7.2	-0.3	3.5	-	11.7	2	-4.4	14,15	4.4	-	62	59	12	20	13	12	-	2	-	-	-	15	19	22	-	-	1.18	-	-	-		
Crumbland ...	99	245	5.1	0.2	2.7	-	10.0	2	-3.9	5	4.2	6.8	80	76	24	13	18	13	6	5	0	0	0	3	17	22	-	0	1.46	-	-	-		
8b. ENGLAND, S.W.																																		
Somerset																																		
Hawkrigge ...	99	314	5.7	-	-	-	12.2	20,21,22	-	-	-	-	134	79	20	2	21	20	8	5	3	1	0	4	-	25	-	0	1.19	-	-	-		
Williton ...	99	96	7.4	1.2	4.3	-	12.2	21	-3.3	1	-	-	110	-	26	13	21	12	5	4	0	3	0	1	13	26	-	1	-	-	-	-		
Cannington ...	99	29	7.0	1.6	4.3	-	12.2	21	-2.2	1,13	6.6	-	77	102	19	13	17	10	3	-	0	0	0	0	11	18	-	0	1.30	80	-	-		
Weston-super-Mare	99	9	6.8	2.1	4.5	-1.6	12.2	21	-1.7	1,13,31	-	-	68	87	13	14	16	13	5	1	0	0	0	1	7	17	-	0	1.45	91	-	-		
Cricket Malherbie	99	76	(7.0)	(1.0)	(4.0)	-	(11.7)	(20)	-3.9	1	-	-	88	-	18	13	22	12	3	-	0	3	0	1	12	16	-	0	-	-	-	-		
Cheddar ...	99	11	(7.3)	(0.9)	(4.1)	-	11.7	21	-3.3	1,13	(5.4)	-	78	-	11	13,14	16	15	-	-	-	-	-	-	12	-	-	-	-	-	-	-		
Yeovilton ...	21-9	18	6.8	1.3	4.1	-	12.1	3	-5.8	1	-	-	68	-	15	14	18	12	5	2	0	1	0	2	17	19	16	2	-	-	-	-		
Rodney Stoke ...	99	40	7.2	0.6	3.9	-	12.2	24	-3.9	13	5.6	8.7	79	-	13	13	19	15	-	2	-	-	-	3	14	26	-	-	-	-	-	-		
Long Ashton ...	99	49	6.9	1.3	4.1	-1.3	12.2	21	-3.3	19	4.9	-	68	76	15	14	20	14	6	3	0	3	0	2	13	17	-	0	1.26	86	-	-		
West Camel ...	99	27	6.9	-0.1	3.4	-	11.7	21	-6.1	1	-	-	75	-	14	14	22	13	7	2	1	0	0	0	15	24	-	0	-	-	-	-		
Wincanton ...	99	114	6.4	0.6	3.5	-	11.7	21																										



TABLE III (continued)—SUMMARY OF DAILY OBSERVATIONS DECEMBER, 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)		WEATHER Number of Days										BRIGHT SUNSHINE							
				MEANS OF		Daily Mean (mean of A & B)	Difference from 1911—60 average	HIGHEST MAXIMUM AND LOWEST MINIMUM				30 cm.	122 cm.	Total fall (mm.)	Percentage of 1911—60 average	MOST IN A DAY		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost†	Grass min. below 0°C	Concrete min. below 0°C	Gale	Daily Mean (hr.)	Percentage of 1911—60 average	Exposure	
				Max. (A)	Min. (B)			Maximum	Date	Minimum	Date					Amount (mm.)	Date																
9. NORTHERN IRELAND																																	
Londonderry																																	
Loughmore Forest	99	174	6.0	0.8	3.4	-	11.0	21	-6.1	12	-	-	115	-	18	2	27	22	8	5	0	0	0	0	1	10	21	-	0	-	-	-	
Ballykelly §	21-9	2	7.0	2.9	4.9	-0.7	12.1	21	-4.5	12	5.3	8.1	83	88	14	14	23	18	5	0	3	0	0	0	1	7	15	12	0	1.12	89	-	
Derrynoyd Forest	99	88	6.8	1.4	4.1	-	10.9	8	-6.5	12	-	-	155	-	23	17	20	18	4	3	0	0	0	0	1	9	21	-	-	-	-	-	
Somerset Forest	99	43	7.2	1.6	4.4	-	10.9	21	-2.3	12,13	-	-	99	-	14	2	23	17	1	0	0	0	0	0	1	8	19	-	-	-	-	-	
Coleraine ...	99		7.1	1.8	4.5	-	11.1	20,21	-2.8	18	5.1	7.2	98	-	15	14	24	20	5	0	0	1	0	0	1	9	16	-	0	1.00	-	-	
Garvagh Forest	99	91	6.7	1.4	4.1	-	11.1	21	-5.0	12,13	5.3	8.7	141	-	22	20	23	20	6	0	1	0	0	0	8	22	-	-	-	-	-	-	
Moneydig ¶	21-9	34	6.1	1.8	3.9	-1.0	11.0	21	-3.9	12	5.2	-	103	92	17	20	22	17	7	3	1	2	0	1	12	10	15	0	-	-	-	-	
Antrim																																	
Portrush Golf Club	99	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ballymoney ...	99	55	7.0	0.4	3.7	-	10.4	21	-3.8	12	-	-	105	-	18	20	24	17	3	-	0	0	0	0	0	15	-	-	-	-	-	-	-
Lisnafillan ...	99	38	6.7	0.3	3.5	-	11.1	7	-7.2	13	-	-	121	-	16	21	25	18	2	0	0	0	0	0	5	13	19	-	-	0.73	-	-	
Aldergrove §	21-9	69	6.1	1.7	3.9	-1.0	11.4	21	-5.0	13	4.8	8.2	85	86	17	17	20	15	7	1	1	0	0	0	2	14	13	13	0	1.00	90	-	
Greenmount ...	99	32	6.9	0.8	3.9	-	11.7	21	-5.6	13	4.6	-	83	-	12	17	23	16	3	2	0	0	0	0	-	11	15	-	-	-	-	-	
Altnahinch ...	99	226	5.4	1.1	3.3	-	9.4	20,21	-2.2	5	-	-	184	-	28	2	27	21	6	8	0	5	0	1	11	21	-	9	0.84	-	-	-	
Parkmore Forest	99	235	5.6	0.9	3.3	-	9.4	8,20,21	-2.8	12	4.3	-	176	-	34	2	25	19	5	7	0	0	0	1	8	23	-	8	-	-	-	-	
Black Mountain	21-9	295	4.3	1.0	2.7	-	9.3	21	-1.6	4	-	-	108	-	15	13	22	18	4	3	0	0	0	0	11	18	-	1	-	-	-	-	
Lowtown ...	99	271	5.1	0.4	2.7	-	9.4	8,20,21	-3.9	13	4.4	-	153	-	23	2	27	20	5	5	0	0	0	0	4	15	21	-	0	0.87	-	-	
Ballypatrick Forest	99	152	6.5	1.7	4.1	-	10.4	21	-2.8	12	-	-	164	-	37	17	23	19	4	2	2	0	0	1	8	15	-	3	(0.87)	-	-	-	
Belfast, Malone*	99	35	7.2	0.9	4.1	-	11.6	7,8,21	-5.6	13	4.4	-	94	-	23	17	18	14	0	-	0	0	0	1	13	22	-	-	-	-	-	-	
Newtownabbey	99	32	7.7	2.6	5.1	-	11.7	8,21	-3.9	12	5.3	-	93	-	15	17	17	13	5	0	2	0	0	1	3	15	-	0	1.14	-	-	-	
Woodburn, North	99	217	5.6	0.7	3.1	-	10.0	20,21	-3.3	12	-	-	105	80	15	2	21	18	3	2	0	0	0	4	15	20	-	-	-	-	-	-	
Larne ...	99	43	7.4	1.7	4.5	-	12.2	8	-2.9	13	-	-	103	89	24	20	23	16	2	1	0	2	0	0	3	-	-	-	-	-	-	-	
Kilroot ...	99	22	7.7	1.8	4.7	-	12.2	8	-4.4	12	-	-	97	-	14	17	20	17	1	0	1	0	0	0	7	20	-	-	-	-	-	-	
Ballylumford ...	99	24	7.7	2.3	5.0	-	12.2	21	-2.8	12,13	-	-	103	-	20	17	18	15	0	-	0	0	0	-	3	9	-	-	-	-	-	-	
Down																																	
Hillsborough §	99	116	6.5	1.1	3.8	-1.0	11.1	20,21	-6.1	13	5.2	7.5	75	81	18	17	16	12	2	1	0	0	0	0	0	8	22	-	-	1.16	97	-	-
Kilkeel ...	21-9	18	7.8	3.2	5.5	-0.6	11.7	7	-3.9	12	-	-	91	-	27	20	18	12	3	0	0	0	0	0	5	14	12	1	1.58	-	-	-	
Tollymore Park	99	76	7.3	1.9	4.6	-	11.7	20,21	-2.8	4	-	-	132	90	27	13	19	14	0	0	0	0	0	0	4	14	-	-	-	-	-	-	
Rosetta ...	99	24	7.3	-0.1	3.6	-	12.2	21	-5.0	12	-	-	98	-	28	17	21	14	0	0	0	0	0	0	3	19	-	-	-	-	-	-	
Murlough ...	99	9	7.9	1.2	4.5	-	12.2	20	-7.8	12	4.7	7.0	99	-	22	17	17	13	4	0	0	1	0	0	10	17	-	3	1.60	-	-	-	
Stormont Castle	99	56	7.1	1.8	4.5	-	11.7	21	-3.9	12	4.3	6.9	80	83	18	17	20	13	4	0	2	1	0	5	5	21	-	1	1.43	-	-	-	
Downpatrick ...	99	36	7.8	1.9	4.9	-	12.8	7	-5.6	12	-	-	79	-	18	20	19	14	-	-	-	-	-	-	0	4	15	-	-	-	-	-	
Creighton's Green	99	119	6.4	2.0	4.2	-	11.1	21	-2.2	12	-	-	94	-	19	17	22	14	7	1	2	0	0	0	4	20	-	0	-	-	-	-	
Reagh Island**	99	12	7.4	2.1	4.7	-	11.1	21	-2.8	12,13	-	-	69	-	12	17	16	12	-	-	-	-	-	0	3	14	-	-	1.54	-	-	-	
Helen's Bay ...	99	43	6.9	2.5	4.7	-	11.7	21	-2.8	12	-	-	83	-	15	17	19	12	4	0	0	2	0	0	2	18	-	1	1.45	-	-	-	
Killough ...	21-9	15	7.7	2.8	5.3	-	11.5	3	-4.5	12	-	-	87	-	17	17	19	13	3	0	1	0	0	0	5	9	-	6	-	-	-	-	
Ballyhalbert ...	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.23	-	-	-	
Armagh																																	
Armagh §	99	62	6.8	1.6	4.2	-0.9	11.1	7,20,21	-3.9	12,13	5.3	7.6	75	95	13	17	22	12	2	1	1	0	0	0	1	9	26	-	0	1.02	91	-	-
Loughgall ...	99	25	7.3	1.3	4.3	-	11.7	20,21	-4.4	13	-	-	71	95	12	17	20	12	2	2	0	1	0	0	11	25	-	0	1.20	-	-	-	
Glenanne ...	21-9	134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Bessbrook ...	-	76	-	-	-	-	-	-	-	-	-	-	87	84	15	20	19	12	-	-	-	-	-	-	-	-	-	-	-	1.26	91	-	-
Portadown ...	99	16	7.3	1.1	4.2	-	11.7	7,21	-4.4	12,13	5.3	8.3	83	-	17	17	17	11	0	-	0	0	0	-	9	15	-	(0)	-	-	-	-	
Lurgan ...	99	55	6.9	1.1	4.0	-	11.7	21	-5.6	12,13	4.7	7.9	77	-	14	17	19	10	-	-	-	-	-	-	-	11	15	-	-	1.05	-	-	-
Tyrone																																	
Lough Bradan ...	99	169	6.2	0.8	3.5	-	10.0	8,20,21	-5.0	13	-	-	162	-	24	20	24	20	-	2	-	-	-	-	1	13	20	-	-	0.92	-	-	-
Baronscourt Forest	99	88	6.8	1.5	4.1	-	10.7	7	-4.8	13	-	-	137	-	19	20	25	18	4	3	0	0	0	0	10	21	-	-	-	-	-	-	
Strabane Convent	99	44	7.2	2.1	4.7	-	11.1	8	-4.0	12,13	-	-	117	-	14	17	26	20	5	2	0	0	0	2	6	20	-	3	0.80	-	-	-	
Carrigans ...	21-9	113	6.1	2.0	4.1	-	11.0	8	-5.4	12	-	-	127	-	16	20	24	18	6	3	0	0	0	0	3	10	15	14	0	-	-	-	-
Lislap Forest ...	99	209	6.1	-0.5	2.8	-	10.6	21	-6.7	12,13	4.6	-	156	114	24	20	26	16	6	5	0	0	0	3	19	24	-	0	-	-	-	-	
Knockmany Forest	99	73	7.1	-0.3	3.4	-	11.4	21	-6.1	12	-	-	117	-	15	17	19	14	5	1	0	0	0	1	19	25	-	-	-	-	-	-	
Pomeroy Forest	99	165	6.0	0.4	3.2	-	10.6	20,21	-7.2	12,13	4.4	-	136	-	18	20	25	15	6	3	2	0	0	0	1	17	22	-	0	-	-	-	
Cookstown ...	99	77	6.7	1.1	3.9	-	11.1	21	-5.0	12	4.7	-	108	109	17	20	23	12	1	-	0	0	0	1	12	22	-	-	1.00	-	-	-	
Fermanagh																																	
Roscor ...	99	143	7.2	2.3	4.7	-	11.0	21	-2.0	13	-	-	152	121	22	2	28	21	3	0	1	0	0	0	4	17	-	-	-	-	-	-	
Lough Navar Forest	99	148	6.6	1.4	4.0	-	10.2	21	-6.4	12	-	-	175	-	27	2	26	22	4	1	1	0	0	0	1	9	22	-	0	-	-	-	
C.Archdale Forest §	99	66	7.1	1.8	4.5	-0.6	11.1	20,21	-2.8	12	5.2	6.9	133	124	18	2	25	17	2	0	0	0	0	0	1	10	17	-	0	0.90	67	-	-
Lisnaskea ...	99	49	7.1	1.2	4.1	-	11.1	2,7,8	-2.8	5,12,16	-	-	108	-	18	20	21	13	5	-	0</												

(-) † ¶ § € S See Notes on Tables in the Introduction

\* Sunshine Figures for University Roof.

\*\* Sunshine figures are for Cross Island



\* See Notes on Tables in the Introduction.



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS DECEMBER, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)					VISIBILITY (Metres and Kilometres)								WIND SPEED AND DIRECTION																	
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-39 m.	40-190 m.	200-300 m.	400-590 m.	1000-1900 m.	2000-3900 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
																									SPEED IN KNOTS													
																									8 or more	6,7	4,5	1,3	Calm									
																									24 or more	22-33	11-21	1-10	0									
Number of Observations																																						
6a. SCOTLAND, W. - contd.																																						
Lowther Hill [Lanark]																																						
3	1013.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
9	1013.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
15	1012.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
21	1013.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Prestwick [Ayr]																																						
21	3	1013.0	-	-	3.0	0.6	7.0	89	5.3	3	4	6	8	10	0	0	1	0	0	1	1	2	20	6	0	0	0	7	19	5	0	1	5	6	5	2	2	5
9	3	1013.0	+3.1	-	3.8	0.6	7.4	90	6.4	0	2	6	11	12	0	0	0	0	0	2	11	15	3	0	0	0	6	23	2	2	2	4	5	6	3	5	2	
15	3	1012.9	-	-	4.9	0.8	7.7	87	5.9	0	4	5	15	7	0	0	0	0	0	5	10	13	3	0	0	0	10	18	3	2	1	6	0	7	3	4	5	
21	3	1013.5	-	-	3.2	0.6	7.0	89	5.3	4	5	3	6	12	1	0	1	1	0	0	2	11	14	2	0	0	0	6	20	5	3	4	1	3	8	2	2	3
Eskdalmuir [Dumfries]																																						
237	3	1013.8	-	-	1.2	0.5	6.2	90	5.5	5	4	2	4	12	4	0	2	0	3	1	4	7	5	6	3	0	0	7	12	12	1	2	3	1	5	1	2	4
9	3	1013.9	+3.4	-	0.8	0.5	6.0	89	5.9	0	7	3	5	14	2	0	2	0	1	1	5	7	8	7	0	0	1	9	10	11	2	2	3	5	2	3	1	
15	3	1013.5	-	-	2.8	0.6	6.8	88	6.3	0	5	3	11	10	2	0	0	1	2	1	1	9	7	8	2	0	1	8	16	6	4	3	2	1	6	3	5	1
21	3	1014.3	-	-	1.2	0.5	6.1	89	5.1	6	4	3	4	12	2	0	0	2	3	2	1	9	6	7	1	0	0	7	16	8	4	3	2	2	6	2	2	2
Mull of Galloway [Wigtown]																																						
79	3	1012.9	-	-	5.3	0.8	7.8	86	5.0	3	7	4	4	13	0	0	0	0	0	0	0	2	4	12	13	1	11	10	8	1	4	2	0	6	5	3	5	5
9	3	1013.1	-	-	5.4	0.8	7.9	87	5.9	0	4	5	11	11	0	0	0	0	0	0	1	5	19	6	0	12	10	9	0	4	1	2	4	4	5	6	5	
15	3	1012.7	-	-	5.9	1.0	7.9	83	5.8	0	3	7	12	9	0	0	0	0	0	0	2	5	23	1	1	13	13	4	0	5	2	1	5	8	4	2	4	
21	3	1013.3	-	-	5.2	0.9	7.7	85	4.9	4	6	4	4	13	0	0	0	0	0	0	1	8	15	7	1	6	16	7	1	8	2	1	4	5	4	2	4	
6b. ISLE OF MAN																																						
Ronaldsway																																						
21	3	1013.5	-	-	5.6	1.0	8.0	85	6.2	0	6	3	4	18	0	0	0	0	0	0	2	4	9	7	9	0	8	10	13	0	3	3	3	3	3	3	7	6
9	3	1013.6	-	-	5.6	1.0	7.8	83	5.8	0	5	4	16	6	0	0	0	0	0	1	5	5	6	14	0	8	10	13	0	7	1	4	2	2	3	7	5	
15	3	1013.3	-	-	6.5	1.2	8.1	82	6.0	0	5	3	16	7	0	0	0	0	0	1	5	7	9	9	0	7	10	14	0	3	3	5	1	5	4	3	7	
21	3	1013.8	-	-	5.4	1.0	7.8	84	6.4	0	4	4	6	17	0	0	0	0	0	2	7	9	6	7	0	5	11	15	0	5	3	6	3	2	2	5	5	
Point of Ayre																																						
9	3	1013.6	-	-	5.8	0.8	8.3	87	6.1	0	6	3	6	16	0	0	0	0	0	0	5	9	7	10	0	8	15	7	1	3	2	2	5	3	4	6	5	
9	3	1013.8	-	-	5.6	0.7	8.3	89	6.5	0	2	6	9	14	0	0	0	0	0	0	4	5	15	7	1	9	9	11	1	1	1	2	5	4	3	6	8	
15	3	1013.7	-	-	6.0	0.8	8.3	87	6.3	0	2	7	12	10	0	1	0	0	0	0	2	9	17	2	0	7	15	9	0	5	2	3	5	4	5	4	3	
21	3	1014.2	-	-	5.5	0.8	8.0	87	6.1	0	4	5	8	14	0	1	0	0	0	0	4	10	8	8	0	4	18	8	1	3	2	3	6	3	2	4	7	
2. ENGLAND, N.E.																																						
Acklington [Northumberland]																																						
46	3	1013.5	-	-	2.4	0.7	6.5	88	4.9	4	6	5	5	11	0	0	0	0	0	2	2	5	15	6	1	0	2	9	18	2	3	1	1	5	5	1	10	3
9	3	1013.6	+3.4	-	2.3	0.6	6.5	89	5.9	0	6	6	6	12	1	0	0	1	0	2	3	7	16	2	0	0	3	8	19	1	2	0	3	3	6	1	11	4
15	3	1013.4	-	-	4.1	0.8	7.2	86	6.2	0	3	3	19	6	0	0	0	0	1	4	2	8	10	4	2	0	2	9	20	0	4	0	3	2	9	4	2	7
21	3	1014.0	-	-	2.7	0.7	6.6	89	5.2	4	4	4	6	12	1	0	0	0	2	3	4	5	12	5	0	0	2	10	15	4	3	0	2	1	8	3	6	4
Tynemouth [Northumberland]																																						
40	3	1013.4	-	-	3.7	0.8	7.0	87	5.8	4	0	7	6	13	0	0	0	0	0	2	1	6	16	5	0	0	5	12	13	0	1	0	4	2	7	3	9	4
9	3	1014.0	+3.2	-	3.5	0.8	6.8	86	6.6	0	2	6	5	17	1	1	0	0	0	6	5	10	8	1	0	1	4	13	12	1	1	0	2	3	7	1	9	7
15	3	1013.8	-	-	4.6	1.0	7.2	84	6.4	2	0	5	11	13	0	0	0	0	1	6	5	12	6	1	0	0	4	13	13	1	1	0	2	1	9	2	9	6
21	3	1014.2	-	-	4.0	0.8	7.1	86	5.5	5	1	5	7	13	0	0	0	1	3	6	11	8	2	0	0	2	16	13	0	0	1	3	1	9	4	8	5	
Seahouses [Northumberland]																																						
12	3	1013.3	-	-	3.6	0.6	7.2	90	5.4	1	7	5	4	14	0	0	0	0	0	2	10	12	7	0	0	0	5	7	19	0	0	0	4	1	6	7	12	1
9	3	1013.4	-	-	3.4	0.7	6.9	88	6.0	0	6	5	4	16	0	0	0	0	1	2	7	11	3	7	0	4	7	20	0	4	0	3	3	9	1	11	0	
15	3	1013.3	-	-	4.6	0.8	7.5	87	6.5	0	1	7	13	9	1	0	0	1	1	1	6	10	5	6	0	4	8	18	1	4	0	3	1	12	1	6	3	
21	3	1013.9	-	-	3.5	0.8	6.9	88	5.3	2	8	5	1	14	1	0	1	0	0	1	5	6	14	4	0	0	5	6	18	2	3	1	3	2	7	3	6	4
Leeming [Yorks, N.Riding]																																						
33	3	1014.1	-	-	2.5	0.7	6.5	88	6.5	1	3	2	6	19	0	0	0	1	4	7	7	5	5	2	0	0	6	18	7	3	0	4	3	9	2	0	3	
9	3	1014.3	-	-	2.7	0.7	6.6	87	7.0	0	1	2	10	14	4	0	2	1	2	0	4	10	7	4	1	0	1	7	21	2	4	0	4	5	8	1	1	6
15	3	1014.0	-	-	4.3	0.9	7.1	85	6.5	0	3	2	15	8	3	0	1	0	3	2	2	13	5	3	2	0	0	8	19	4	6	1	2	2	9	1	3	3
21	3	1014.5	-	-	2.7	0.7	6.6	86	5.8	5	3	0	7	13	3	0	3	1	0	4	4	7	9	0	3	0	0	11	13	7	5	1	1	4	7	2	2	2
Whitby C.G. [Yorks, N.Riding]																																						
66	3	1013.7	-	-	4.1	0.7	7.3	88	6.9	0	3	2	7	18	0	0	0	0	0	0	4	14	16	0	0	0	4	14	12	0	3	1	2	2	11	2	5	4
9	3	1013.5	-	-	3.4	0.7	6.9	87	7.1	0	1	2	10	18	0	0	0	0	0	0	0	14	17	0	0	0	6	17	8	0	0	2	3	9	5	3	7	
15	3	1013.3	-	-	4.6	1.1	7.1	83	6.5	0	1	6	12	12	0	0	0	0	0	1	8	21	1	0	1	2	15	12	1	1	1	2	5	8	3	2	8	
21	3	1013.8	-	-	3.9	0.9	7.1	86	5.4	5	3	3	7	13	0	0	0	0	0	1	1	7	21	1	0	1	5	8	17	0	4	2	1	3	12	3	3	3
Leconfield [Yorks, E.Riding]																																						
9	3	1013.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15	3	1013.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21	3	1013.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS DECEMBER, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Okta)					VISIBILITY (Metres and Kilometres)							WIND SPEED AND DIRECTION																			
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
																									SPEED IN KNOTS														
																									8 or more	6-7	4-5	1-3	Calm										
																									24 or more	22-23	11-21	1-10	0										
Number of Observations																																							
3.																																							
ENGLAND, E. — contd.																																							
Mildenhall [Suffolk]																																							
12	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
15	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
21	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Wattisham [Suffolk]																																							
91	3	-	-	2.0	0.4	6.7	92	7.1	1	1	1	8	17	3	0	1	1	2	4	7	12	4	0	0	0	0	14	16	1	2	4	3	1	7	4	2	7		
9	9	-	-	2.4	0.5	6.8	92	7.2	0	1	2	8	18	2	0	1	1	2	1	8	11	7	0	0	0	0	13	17	1	2	3	4	2	8	1	4	6		
15	15	-	-	3.2	0.5	7.2	91	7.6	0	0	1	7	22	1	0	0	2	2	6	16	2	1	0	0	0	1	11	19	0	5	1	6	2	6	5	1	5		
21	21	-	-	2.4	0.4	6.8	92	6.9	1	1	4	5	18	2	0	1	1	3	6	2	14	4	0	0	0	0	13	18	0	2	3	5	3	6	4	1	7		
Aldeburgh [Suffolk]																																							
9	9	-	-	-	-	-	-	7.1	0	3	1	2	24	1	0	0	1	1	1	2	21	5	0	0	0	7	4	20	0	1	1	5	3	6	2	5	8		
15	15	-	-	-	-	-	-	7.5	0	1	1	3	25	1	0	1	1	0	1	6	19	3	0	0	2	3	9	16	1	1	3	4	2	5	3	7	5		
21	21	-	-	-	-	-	-	6.1	5	1	2	3	19	1	0	0	0	2	0	2	21	6	0	0	1	3	8	18	1	1	2	5	2	4	4	4	8		
Wytton [Hunts]																																							
43	3	-	-	2.7	0.5	6.9	91	6.6	2	2	2	5	18	2	0	1	1	1	2	10	12	4	0	0	0	0	7	24	0	4	3	2	5	4	7	3	3		
9	9	-	-	2.8	0.	6.9	90	7.0	0	1	3	10	17	0	0	0	0	3	4	6	11	7	0	0	0	1	7	23	0	4	3	4	1	6	3	5	5		
15	15	-	-	4.1	0.7	7.4	88	7.3	0	0	3	9	18	1	0	1	0	1	4	7	14	3	1	0	0	0	12	19	0	6	3	3	2	5	6	2	4		
21	21	-	-	2.8	0.5	7.0	91	6.3	1	4	3	5	17	1	0	1	1	1	3	11	11	2	1	0	0	1	6	24	0	4	4	4	2	6	4	3	4		
Cardington [Bedford]																																							
29	3	-	-	2.8	0.3	7.2	94	6.5	4	1	1	5	19	1	0	1	1	0	4	5	13	7	0	0	0	0	4	27	0	3	3	3	4	6	6	4	2		
9	9	-	+1.0	2.9	0.3	7.1	93	7.2	0	2	0	11	18	0	0	0	2	0	1	6	14	6	1	0	0	0	8	23	0	2	5	3	1	6	4	5	5		
15	15	-	-	4.4	0.7	7.6	89	6.8	1	2	1	9	18	0	0	0	1	0	3	8	12	6	1	0	0	0	12	19	0	5	3	4	1	2	7	5	4		
21	21	-	-	2.6	0.4	7.0	93	5.7	5	3	0	8	15	0	0	2	0	1	3	5	13	7	0	0	0	0	6	25	0	4	5	4	1	7	4	3	3		
Stansted [Essex]																																							
102	3	-	-	2.4	0.3	7.0	94	6.9	2	1	1	6	19	2	0	1	0	2	4	9	12	3	0	0	0	0	14	13	4	3	3	3	3	7	1	3	4		
9	9	-	-	2.7	0.5	6.9	92	7.2	0	1	2	6	19	3	0	0	2	2	4	4	9	9	1	0	0	0	9	20	2	4	1	5	3	4	3	5	4		
15	15	-	-	3.6	0.6	7.3	90	7.4	0	1	0	11	18	1	0	1	1	3	0	7	14	5	0	0	0	1	11	15	4	2	3	3	3	2	5	2	7		
21	21	-	-	2.5	0.3	7.0	94	6.4	3	1	4	4	18	1	0	1	1	0	5	10	9	5	0	0	0	0	10	16	5	3	3	4	2	4	3	4	3		
Shoeburyness [Essex]																																							
5	9	-	+0.1	3.7	0.7	7.2	88	7.3	0	0	2	11	18	0	0	0	0	2	3	3	19	2	1	1	0	5	11	15	0	4	3	3	3	8	2	5	3		
15	15	-	-	4.5	0.8	7.4	86	7.5	0	0	2	5	24	0	0	0	0	1	1	9	16	4	0	0	0	2	14	14	1	3	5	2	3	4	5	5	3		
21	21	-	-	3.7	0.7	7.1	87	6.5	2	2	2	6	18	1	0	0	0	2	1	8	12	6	1	1	0	1	17	12	1	6	1	5	3	6	3	2	4		
Walton-on-Naze [Essex]																																							
8	3	-	-	3.4	0.6	7.1	89	6.5	2	1	4	3	20	1	0	0	0	1	1	6	17	6	0	0	0	5	6	18	2	4	0	5	3	5	3	2	7		
9	9	-	-	3.4	0.6	7.1	89	7.3	0	1	1	8	21	0	0	1	0	0	2	2	24	2	0	0	0	4	11	14	2	3	0	3	5	7	4	2	5		
15	15	-	-	4.1	0.7	7.3	88	7.4	0	1	3	4	23	0	0	0	0	1	2	9	17	2	0	0	1	3	11	13	3	3	2	3	4	4	4	5	5		
21	21	-	-	3.5	0.7	7.1	88	6.6	3	1	2	4	19	2	0	1	0	1	1	6	20	2	0	0	0	2	12	16	1	5	1	4	4	5	4	2	5		
4.																																							
MIDLAND COUNTIES																																							
Huddersfield Oakes [Yorks. W.R.]																																							
234	3	-	-	2.5	0.6	6.7	90	7.1	0	1	5	4	20	1	0	1	2	1	1	4	15	3	4	0	0	1	7	19	4	3	1	1	2	4	3	7	6		
9	9	-	-	2.3	0.4	6.8	91	6.7	1	1	4	8	16	1	0	1	0	1	2	2	13	5	7	0	0	1	8	21	1	1	2	1	3	3	6	7	7		
15	15	-	-	3.2	0.5	7.1	91	6.5	0	3	3	11	14	0	0	0	0	0	2	7	17	5	0	0	0	0	7	20	4	4	3	3	1	2	3	8	3		
21	21	-	-	2.4	0.4	6.9	92	6.0	4	3	1	4	19	0	0	0	1	3	3	4	10	6	4	0	0	0	7	17	7	3	3	2	1	4	4	4	4		
Watnall [Nottingham]																																							
119	3	-	-	2.7	0.4	7.1	93	6.0	3	4	2	3	16	3	0	3	0	0	5	5	10	6	2	0	0	0	8	20	3	4	2	4	1	4	6	2	5		
9	9	-	+1.4	2.8	0.6	6.9	90	6.7	0	3	1	11	13	3	0	3	0	1	4	7	12	4	0	0	0	1	10	18	2	3	2	4	1	2	6	5	6		
15	15	-	-	3.8	0.6	7.3	89	6.2	1	5	1	11	12	1	0	2	1	2	6	5	12	2	1	0	0	0	9	20	2	6	4	4	1	4	7	1	2		
21	21	-	-	2.9	0.5	7.0	91	6.4	2	3	2	4	18	2	0	1	1	3	4	6	12	2	2	0	0	0	9	20	2	6	2	5	1	5	3	4	3		
Finningley [Nottingham]																																							
14	3	-	-	2.9	0.5	7.0	92	5.9	2	5	2	5	15	2	0	1	1	1	2	5	11	7	3	0	0	0	9	20	2	5	0	3	3	6	4	3	5		
9	9	-	+2.1	2.9	0.5	7.0	91	6.5	1	3	2	7	18	0	0	1	0	2	3	8	11	5	1	0	0	1	9	16	5	4	1	1	3	6	3	2	6		
15	15	-	-	4.5	0.8	7.5	88	6.5	0	4	2	13	11	1	0	0	1	2	3	9	10	4	2	0	0	0	8	20	3	9	2	1	1	6	4	1	4		
21	21	-	-	3.0	0.5	7.1	92	6.1	3	1	5	8	11	3	0	3	1	2	3	5	13	3	1	0	0	0	6	20	5	7	2	1	7	2	0	5			
Wittering [Northampton]																																							
67	3	-	-	2.5	0.5	6.8	91	6.1	2	6	0	5	18	0	0	0	1	4	3	7	13	3	0	0	0	1	14	14	2	2	2	2	5	4	3	7	4		
9	9	-	+1.5	2.8	0.6	6.8	89	6.9	0	2	2	12	13	2	0	2	0	0	4	6	14	4	1	0	0	1	11	19	0	4	3	3	2	4	3	8	4		
15	15	-	-	4.1	0.8	7.3	87	6.6	0	3	2	12	13	1	0	1	0	1	1	7	15	6	0	0	0	0	15	16	0	8	2	4	2	4	3	6	2		
21	21	-	-	2.9	0.5	7.0	91	6.1	1	3	5	8	13	1	0	0	1	2	5	7	13	3	0	0	0	0	12	19	0	5	3	3	2	6	4	4	4		
Edgbaston [Warwick]																																							
165	9	-	+1.9	2.7	0.5	6.9	90	6.7	0	1	5	13	11	1	0	1	0	2	3	9	15	1	0	0	0	1	11	19	0	3	0	5	2	4	4	4	9		
15	15	-	-	4.0	0.9	7.1	85	6.4	1	3	3	10	13	1	1	0	0	1	5	6	15	3	0	0	0	0	10	20	1	4	3	4	0	6	2				



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS DECEMBER, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION													
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-39 m.	40-100 m.	200-300 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-39 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																									SPEED IN KNOTS												
																									8 or more	9-11	12-13	14-16	17-19								
																									22-23	24-25	26-27	28-29	30 or more								
Number of Observations																																					
4. MIDLAND COUNTIES — <i>contd.</i>																																					
Little Rissington [Gloucester]																																					
229	3	1015.2	-	2.4	0.4	6.9	93	6.9	3	0	1	4	17	6	0	4	1	3	3	4	6	5	3	2	0	1	9	21	0	4	1	6	0	2	5	6	7
	9	1015.3	+1.2	2.1	0.4	6.7	91	6.5	0	4	2	11	12	2	0	3	0	0	3	3	9	9	0	4	0	2	13	15	1	2	2	4	2	1	7	7	5
	15	1014.5	-	3.2	0.8	6.9	87	6.1	0	6	2	11	9	3	0	2	1	2	3	2	10	6	3	2	0	1	9	20	1	7	1	4	0	3	6	5	4
	21	1015.2	-	2.2	0.4	6.8	91	6.2	4	1	2	9	11	4	1	2	1	1	2	5	10	4	4	1	0	1	8	22	0	5	4	4	0	5	4	2	7
5. ENGLAND, S.E.																																					
Heathrow [Greater London]																																					
26	3	1014.8	-	3.4	0.6	7.2	90	6.7	1	3	1	7	17	2	0	1	1	1	1	10	10	6	1	0	0	0	9	20	2	3	3	3	4	5	1	5	5
	9	1015.0	-	3.6	0.7	7.2	88	7.2	0	1	0	15	14	1	0	1	0	0	4	5	14	5	2	0	0	0	10	20	1	5	3	3	1	7	2	6	3
	15	1014.1	-	4.8	1.0	7.4	84	6.6	0	3	4	7	16	1	0	0	1	2	0	7	14	6	1	0	0	0	14	16	1	6	4	2	2	3	6	4	3
	21	1014.8	-	3.6	0.7	7.2	88	6.5	0	4	2	8	15	2	0	2	1	1	2	7	11	6	1	0	0	1	10	16	4	4	5	3	0	5	4	2	4
Kew [Greater London]																																					
10	9	1015.2	+0.6	3.7	0.8	7.1	87	7.2	0	1	2	9	18	1	0	1	0	2	3	2	17	5	1	0	0	0	8	22	1	4	3	4	1	6	4	5	3
	15	1014.4	-	4.8	1.1	7.4	83	7.0	0	1	4	7	19	0	0	0	0	1	3	2	20	3	2	0	0	1	8	21	1	6	2	4	2	0	9	4	3
	21	1015.0	-	3.5	0.8	7.1	88	6.3	0	6	2	5	15	3	1	1	2	1	1	7	12	5	1	0	0	0	7	20	4	5	3	6	0	5	5	1	2
Gatwick [Surrey]																																					
59	3	1015.1	-	3.0	0.5	7.1	91	6.6	2	3	0	6	20	0	0	0	0	1	4	13	9	4	0	0	0	0	4	23	4	4	4	5	1	6	3	1	3
	9	1015.3	-	3.0	0.5	7.1	91	7.1	0	0	4	10	16	1	0	1	0	1	4	7	11	6	1	0	0	0	4	24	3	3	4	4	1	2	4	5	5
	15	1014.3	-	4.5	0.8	7.5	87	7.2	0	0	3	11	16	1	0	0	0	1	4	8	10	6	2	0	0	0	8	23	0	5	3	3	2	4	5	2	7
	21	1014.9	-	3.0	0.5	7.1	91	6.5	1	4	2	6	18	0	0	0	1	2	3	13	7	5	0	0	0	0	6	19	6	5	3	4	2	6	2	1	2
Dungeness [Kent]																																					
7	3	1014.7	-	4.2	0.7	7.5	89	6.3	2	3	3	3	20	0	0	0	0	0	1	17	10	3	0	1	7	10	13	0	9	0	6	2	9	3	2	0	
	9	1014.8	-	4.0	0.6	7.5	91	6.8	0	2	4	5	20	0	0	0	0	0	1	11	14	4	0	1	7	9	14	0	6	1	6	1	10	1	5	1	
	15	1014.0	-	4.9	0.7	7.8	89	7.4	0	0	3	6	22	0	0	0	0	0	0	2	16	10	3	0	2	5	13	11	0	4	2	5	3	6	2	8	1
	21	1014.6	-	4.1	0.6	7.5	90	6.7	3	1	1	4	21	1	0	0	0	1	0	0	14	12	4	0	0	4	10	16	1	5	1	7	3	5	1	6	2
Deal [Kent]																																					
10	3	1015.1	-	3.6	0.7	7.1	88	6.6	1	3	1	5	21	0	0	0	0	0	0	7	12	10	2	0	0	1	15	15	0	1	1	5	3	4	6	5	6
	9	1015.1	-	3.8	0.7	7.2	88	7.2	0	1	1	10	19	0	0	0	0	0	3	8	15	5	0	0	0	3	15	12	1	2	2	7	0	5	4	3	7
	15	1014.3	-	4.3	0.8	7.4	87	7.5	0	0	1	11	19	0	0	0	1	0	3	11	14	2	0	0	0	3	12	16	0	2	2	4	2	4	6	7	
	21	1014.9	-	4.0	0.7	7.3	88	6.7	3	1	1	3	23	0	0	0	0	1	0	5	14	11	0	0	1	17	12	0	3	2	6	3	4	6	2	5	
Manston [Kent]																																					
15	3	1015.1	-	3.0	0.6	7.0	89	6.9	1	0	3	9	17	1	0	1	0	0	2	3	15	7	3	0	0	0	15	15	1	3	2	4	3	8	1	5	4
	9	1015.2	-	3.2	0.5	7.1	90	7.1	0	1	2	11	17	0	0	0	2	1	1	18	5	3	0	0	0	2	14	15	0	3	2	5	2	7	5	1	6
	15	1014.3	-	3.7	0.7	7.2	88	7.6	0	0	1	8	22	0	0	0	1	1	8	14	5	1	0	0	0	2	15	14	0	3	2	4	2	7	4	4	5
	21	1014.9	-	3.1	0.6	6.9	88	6.9	1	1	4	5	19	1	0	1	0	0	0	9	11	9	1	0	0	1	14	15	1	5	2	5	4	5	5	1	3
Thorney Island [Sussex]																																					
4	3	1015.2	-	4.0	0.7	7.5	89	5.8	4	3	2	6	16	0	0	0	1	0	7	10	9	3	1	0	0	8	23	0	5	6	1	0	6	2	6	5	
	9	1015.4	+0.4	4.1	0.7	7.5	89	6.8	0	2	0	18	10	1	0	2	0	0	1	4	15	6	3	0	0	1	10	19	1	5	4	4	1	3	2	8	3
	15	1014.5	-	5.5	1.0	7.8	84	6.7	0	2	2	13	14	0	0	0	0	0	3	5	12	6	4	1	0	0	14	17	0	6	3	4	1	5	2	6	4
	21	1015.1	-	4.1	0.6	7.6	90	6.5	2	2	3	4	20	0	0	0	0	0	2	5	16	4	3	1	0	0	13	17	1	4	8	1	2	4	2	6	3
East Hoathly [Sussex]																																					
41	9	1015.1	-	(3.4)	(0.7)	(7.2)	(91)	6.6	0	3	3	11	13	1	0	0	0	3	2	5	12	7	1	1	0	0	8	21	2	4	2	8	1	4	0	4	6
	15	1014.3	-	4.6	0.7	7.6	88	7.3	0	0	3	10	18	0	0	0	1	4	3	16	6	1	0	0	0	4	27	0	5	3	4	2	7	2	6	2	
	21	1014.8	-	3.2	0.5	7.2	91	6.4	1	4	3	4	19	0	0	0	1	1	6	16	2	4	0	0	0	0	3	26	2	7	1	9	2	5	0	3	2
Eastbourne C.G. [Sussex]																																					
7	9	1014.5	-0.4	4.1	0.6	7.4	88	6.7	0	0	7	8	16	0	0	0	1	1	1	23	5	0	0	1	5	12	8	5	8	1	3	2	4	2	4	2	
	15	1013.8	-	5.0	1.0	7.5	85	7.3	0	0	3	6	19	0	0	0	0	1	3	21	3	0	0	1	10	10	6	1	5	1	5	1	5	4	2	4	
	21	1014.3	-	4.4	0.6	7.6	89	6.3	5	1	1	2	22	0	0	0	0	1	1		6	0	0	1	2	15	7	6	7	1	6	2	4	0	3	2	
Abingdon [Berkshire]																																					
71	3	1015.0	-	2.9	0.4	7.1	92	6.9	2	1	0	9	19	0	0	0	2	7	5	6	9	2	0	0	0	0	5	24	2	3	4	4	0	6	4	3	5
	9	1015.2	-	2.9	0.6	6.9	90	6.6	0	2	3	15	9	2	0	2	0	2	3	15	5	2	0	0	0	0	7	24	0	3	4	3	2	6	0	8	5
	15	1014.3	-	4.6	1.0	7.3	84	6.5	0	4	1	14	11	1	0	1	0	0	4	4	12	5	5	0	0	0	10	20	1	4	2	5	2	3	5	5	4
	21	1015.0	-	2.9	0.5	7.0	91	6.0	2	5	1	8	14	1	0	1	0	1	7	6	9	4	3	0	0	0	5	25	1	3	6	5	5	1	3	1	6
Hurn [Hampshire]																																					
14	3	1014.9	-	3.6	0.6	7.3	90	6.0	5	1	3	6	16	0	0	0	0	0	2	9	11	7	2	0	0	0	8	17	6	3	5	2	1	3	3	5	
	9	1015.3	-	3.7	0.6	7.3	90	6.6	0	3	2	12	13	1	0	0	2	1	0	8	13	5	2	0	1	7	20	3	3	4	3	1	3	2	4	8	
	15	1014.3	-	5.8	1.2	7.7	81	6.4	0	2	6	10	13	0	0	0	0	0	2	5	11	9	4	0	0	0	12	17	2	6	5	2	1	4	3	6	2
	21	1014.8	-	4.0	0.8	7.4	88	5.9	4	3	3	4	17	0	0	0	1	0	8	16	5	1	0	0	0	0	10	16	5	7	5	1	0	5	1	6	1
S. Farnborough [Hampshire]																																					
70	3	1015.2	-	3.1	0.5	7.2	91	6.6	2	3	0	6	19	1	0	0	1	2	2	9	11	3	3	0	0	0	7	22	2	1	3	4	1	6	2	6	6
	9	1015.4	+0.6	3.4	0.6	7.2																															



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS DECEMBER, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Oktas)						VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION														
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-30 m.	40-100 m.	200-300 m.	400-500 m.	1000-1500 m.	2000-3000 m.	4-9 km.	10-19 km.	20-30 km.	40 km. and over	BEAUFORT FORCE					N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
																									SPEED IN KNOTS													
																									8 or more	6-7	4-5	1-3	Calm									
																									34 or more	22-33	11-21	1-10	0									
Number of Observations																																						
Speke [Lancashire]	26	3	1014.1	-	3.5	0.4	7.4	92	6.9	0	2	2	11	13	3	2	0	0	2	0	4	10	12	1	0	0	1	12	15	3	2	1	3	4	6	1	5	6
	9	1014.3	-	3.7	0.6	7.4	90	6.3	0	6	1	10	13	1	1	1	0	0	4	6	14	5	0	0	0	1	14	12	4	4	2	2	4	7	0	4	5	
	15	1014.0	-	4.8	0.8	7.7	87	6.5	0	3	2	17	8	1	1	0	1	0	2	5	19	3	0	0	0	0	14	16	1	4	2	4	6	3	2	4	5	
	21	1014.5	-	3.6	0.6	7.3	89	6.4	0	4	2	14	9	2	1	0	1	1	4	5	16	2	0	1	0	0	11	18	2	5	2	4	6	3	3	2	4	
Ringway [Cheshire]	76	3	1014.5	-	2.8	0.5	7.0	92	6.6	3	1	1	7	16	3	1	0	3	2	3	4	11	6	1	0	0	1	8	17	5	1	1	3	4	11	1	3	2
	9	1014.8	+2.1	3.0	0.6	7.0	90	6.9	0	3	1	9	14	4	0	3	1	2	1	7	13	4	0	0	0	1	12	11	7	0	1	4	2	9	1	4	3	
	15	1013.8	-	4.2	0.8	7.4	88	6.6	1	1	4	13	9	3	0	2	1	3	2	10	10	3	0	0	0	0	11	13	7	2	1	4	2	6	3	1	5	
	21	1014.9	-	3.0	0.6	7.0	90	6.6	3	2	0	6	16	4	2	2	0	2	4	6	13	2	0	0	0	0	13	11	7	1	2	4	3	7	0	3	4	
7b. NORTH WALES																																						
Valley [Anglesey]	11	3	1014.0	-	5.0	1.0	7.7	85	5.7	3	2	5	6	15	0	0	0	0	0	0	2	7	9	12	1	1	5	16	7	2	5	1	5	3	3	4	5	
	9	1014.2	+2.5	5.4	0.9	7.9	86	6.3	0	2	5	14	10	0	0	0	0	0	0	1	6	8	13	3	0	7	9	13	2	3	0	8	3	3	2	5	5	
	15	1013.8	-	6.6	1.2	8.1	81	6.1	0	3	5	15	8	0	0	0	0	0	1	0	6	7	12	5	0	7	14	8	2	6	1	4	2	4	5	1	6	
	21	1014.0	-	4.9	0.8	7.8	87	6.0	2	5	2	4	18	0	0	0	0	0	1	1	8	10	9	2	1	5	12	9	4	4	2	7	2	2	3	4	3	
Bardsey Island [Caernarvon]	19	3	1014.1	-	6.8	1.1	8.5	84	6.4	0	1	9	5	16	0	0	0	0	0	0	1	13	11	6	3	7	13	7	1	4	3	5	2	4	3	2	7	
	9	1014.0	-	6.8	0.9	8.7	87	6.7	0	0	5	12	14	0	0	0	0	0	0	0	2	9	9	11	3	6	13	5	4	5	2	2	4	2	1	5	6	
	15	1013.9	-	7.2	1.0	8.8	85	6.4	0	2	4	15	10	0	0	0	0	0	0	1	7	7	16	0	10	12	8	1	6	2	2	4	4	2	4	6		
	21	1014.1	-	6.9	1.0	8.7	86	6.4	0	1	11	3	16	0	0	0	0	0	0	0	1	9	14	7	0	7	13	7	4	5	4	1	5	0	5	3	4	
8a. SOUTH WALES																																						
Aberporth [Cardigan]	134	3	1014.5	-	4.7	0.7	7.8	89	5.8	1	6	2	9	12	1	0	1	0	0	0	11	11	7	1	0	6	17	7	1	3	4	3	1	3	6	3	7	
	9	1014.5	+1.7	4.7	0.7	7.7	88	6.4	0	3	2	15	11	0	0	0	0	0	1	7	13	8	2	0	6	15	8	2	3	3	3	0	6	2	8	4		
	15	1014.1	-	5.4	0.9	7.9	85	6.2	2	2	4	13	9	1	0	1	0	0	0	0	9	8	8	5	0	3	17	8	3	2	2	3	2	4	5	3	7	
	21	1014.3	-	4.9	0.8	7.8	87	5.7	4	4	1	7	15	0	0	1	0	1	0	0	10	12	5	2	0	4	15	9	3	5	3	3	2	5	6	3	1	
Milford Hare C.B. [Pembroke]	39	3	1015.1	-	5.9	0.8	8.3	87	5.6	1	5	7	5	13	0	0	0	1	0	0	19	6	5	0	0	3	12	13	3	5	2	5	2	3	1	1	9	
	9	1014.9	-	6.1	0.9	8.3	86	6.2	1	1	7	10	12	0	0	0	0	0	1	0	16	13	1	0	0	1	12	6	3	4	4	1	1	2	5	5		
	15	1014.6	-	7.2	1.2	8.5	81	5.9	2	1	9	8	11	0	0	0	0	0	0	0	14	13	4	0	0	2	15	12	2	8	1	6	0	1	4	3	6	
	21	1014.6	-	6.2	0.9	8.4	86	5.6	4	1	5	8	13	0	0	0	0	0	0	0	16	11	4	0	0	2	13	13	3	8	4	4	1	2	4	2	3	
Mumbles [Glamorgan]	37	3	1014.7	-	5.1	0.8	7.9	87	5.4	4	2	7	5	13	0	0	0	0	0	0	7	13	10	1	0	6	6	17	2	7	1	9	1	2	1	7	1	
	9	1014.6	-	4.9	0.8	7.7	86	6.1	0	2	11	4	14	0	0	0	0	0	1	2	14	8	6	0	0	5	11	13	2	6	3	8	0	1	3	5	3	
	15	1014.1	-	6.4	1.2	8.0	82	6.2	1	2	6	8	14	0	0	0	0	0	0	3	12	8	8	0	0	6	11	12	2	4	0	9	0	1	3	9	3	
	21	1014.4	-	5.5	0.8	8.1	87	5.8	5	2	2	5	17	0	0	0	0	0	1	9	12	9	0	0	3	12	15	1	7	2	6	1	4	1	6	3		
Rhoose [Glamorgan]	69	3	1015.0	-	3.9	0.7	7.3	88	6.1	4	2	1	8	15	1	0	1	0	1	0	11	12	4	1	0	1	11	12	7	3	3	3	2	2	1	6	4	
	9	1015.1	+1.0	3.7	0.6	7.3	89	6.4	0	5	1	12	1	0	0	1	0	0	6	9	10	4	1	0	1	15	10	5	3	3	3	3	2	3	5	4		
	15	1014.3	-	5.6	1.2	7.6	82	6.3	0	3	3	15	10	0	0	0	0	0	1	4	9	13	2	2	0	2	15	11	3	3	3	5	2	2	2	6	5	
	21	1014.8	-	4.3	0.8	7.4	87	5.8	2	4	4	8	11	2	0	0	1	0	1	4	6	15	3	1	0	2	14	15	0	3	5	4	4	4	2	5	4	
8b. ENGLAND, S.W.																																						
Yeovilton [Somerset]	23	3	1015.3	-	3.8	0.7	7.4	89	6.9	2	0	2	6	18	3	0	1	0	6	3	5	13	3	0	0	0	2	7	13	9	3	0	4	1	4	3	5	2
	9	1015.5	-	3.7	0.7	7.4	89	6.8	0	2	3	10	15	1	0	1	0	1	2	7	14	6	0	0	1	2	6	14	8	2	4	2	2	4	2	4	3	
	15	1014.7	-	5.8	1.1	7.8	82	6.5	0	2	5	10	13	1	0	0	1	0	8	15	6	1	0	0	3	9	12	7	4	4	1	0	4	2	4	5		
	21	1015.1	-	4.1	0.7	7.4	87	6.0	4	2	3	4	16	2	0	1	0	2	3	6	16	3	0	0	1	8	14	8	3	3	3	3	2	3	2	4		
Portland Bill [Dorset]	54	3	1014.3	-	5.9	0.8	8.4	88	5.8	5	0	4	7	15	0	0	0	0	0	1	13	13	4	0	0	6	18	5	2	6	6	3	2	0	3	3	6	
	9	1014.7	-	5.7	0.8	8.3	88	6.5	0	3	4	9	15	0	0	0	0	1	4	11	6	8	1	0	7	13	8	3	6	3	3	2	1	4	2	7		
	15	1013.7	-	6.7	1.0	8.5	85	6.5	0	3	6	5	17	0	0	0	0	0	1	4	10	4	12	0	1	7	17	4	2	6	3	5	1	1	2	5	6	
	21	1014.2	-	6.0	0.8	8.5	89	5.5	3	3	7	3	15	0	0	0	0	0	2	15	8	6	0	0	7	15	8	1	7	3	6	1	3	2	4	4		
Hartland Point [Devon]	93	3	1014.3	-	6.2	0.6	8.8	91	5.6	1	5	7	4	14	0	0	0	0	0	0	5	16	8	2	2	5	11	12	1	4	5	3	4	2	4	1	7	
	9	1014.2	-	6.1	0.7	8.6	90	6.3	0	3	5	11	12	0	0	0	0	0	0	10	12	5	4	1	6	15	9	0	6	4	4	2	2	3	5	5		
	15	1013.7	-	6.6	0.7	8.9	89	6.5	0	3	1	19	8	0	0	0	0	0	0	7	15	6	3	0	9	14	8	0	8	2	5	1	4	2	4	5		
	21	1013.8	-	6.3	0.6	8.8	90	6.0	0	4	6	9	12	0	0	0	0	0	1	0	6	12	10	2	1	12	9	7	2	6	5	4	2	2	3	4	3	
Mount Batten [Devon]	30	3	1015.5	-	5.5	0.6	8.3	90	5.4	6	3	0	11	10	1	0	0	1	1	0	13	15	1	0	0	2	9	17	3	5	4	4	2	0	3	3	7	
	9	1015.5	+0.8	5.1	0.6	8.1	90	6.1	1	2	5	12	11	0	0	0	0	0	3	6	13	8	1															



TABLE IV (continued)—SUMMARY OF OBSERVATIONS AT FIXED HOURS DECEMBER, 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	MEAN PRESSURE IN MBS		MEAN TEMPERATURE AND HUMIDITY				CLOUD AMOUNT (Okta)						VISIBILITY (Metres and Kilometres)										WIND SPEED AND DIRECTION																		
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	MEAN	0	1-2	3-5	6-7	8	9	0-39 m.	40-190 m.	200-370 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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
																									8 or more	6-7	4-5	1-3	Calm													
																																						SPEED IN KNOTS				
																																						24 or more	22-33	11-21	1-10	0
Number of Observations																																										
9 NORTHERN IRELAND — contd.																																										
Aldergrove [Antrim]																																										
73	3	1013.9	-	3.9	0.7	7.4	90	6.3	1	3	4	6	16	1	0	1	0	4	9	11	5	0	0	0	17	12	2	3	0	1	5	7	6	2	5							
	9	1013.9	+3.6	3.9	0.6	7.4	89	6.6	0	2	4	16	8	1	0	1	0	2	6	14	7	0	0	0	14	16	1	1	1	2	4	6	6	4	4							
	15	1013.4	-	5.1	0.9	7.7	86	6.5	0	2	3	15	11	0	0	0	1	0	4	9	9	8	0	0	0	12	17	2	4	0	2	4	5	9	2	3						
	21	1014.0	-	3.7	0.8	7.2	88	6.0	5	0	1	15	10	0	0	0	1	1	1	9	14	5	0	0	0	10	20	1	5	2	1	6	6	4	5	1						
CHANNEL ISLANDS																																										
Guernsey																																										
110	3	1017.2	-	7.0	1.2	8.4	81	5.5	0	6	4	8	8	0	0	0	0	2	3	7	12	2	0	3	16	6	1	8	1	1	2	4	2	2	5							
	9	1015.7	-	6.3	1.2	7.9	81	6.5	0	2	3	17	9	0	0	0	0	1	8	7	10	5	0	5	12	13	1	7	2	4	1	5	2	3	6							
	15	1015.1	-	7.0	1.3	8.3	81	6.7	0	1	4	16	9	0	0	0	0	1	9	8	7	5	0	4	16	9	1	4	3	4	0	7	2	4	5							
	21	1015.0	-	6.6	1.2	8.2	82	6.5	1	0	7	10	13	0	0	0	0	1	2	8	6	8	6	0	3	19	6	3	7	3	2	2	5	1	4							

TABLE VIII—NUMBER OF DAYS IN DECEMBER, 1969  
WITH MAXIMUM AND MINIMUM TEMPERATURES between given limits.

STATION	MAXIMUM TEMPERATURE °C.								STATION	MINIMUM TEMPERATURE °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	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 .. ..	2	10	19	0	0	0	0	0	Edgbaston .. ..	3	12	15	1	0	0	0	0
Stornoway .. ..	0	7	23	1	0	0	0	0	Kew .. ..	0	13	15	3	0	0	0	0
Craibstone .. ..	0	17	13	1	0	0	0	0	Hastings .. ..	0	9	21	1	0	0	0	0
Rotheray .. ..	0	9	21	1	0	0	0	0	Southampton .. ..	0	8	17	6	0	0	0	0
Abbots inch .. ..	1	15	12	3	0	0	0	0	Stonyhurst .. ..	0	15	15	1	0	0	0	0
Eskdalemuir .. ..	1	18	12	0	0	0	0	0	Bidston .. ..	0	11	18	2	0	0	0	0
Douglas .. ..	0	9	19	3	0	0	0	0	Valley .. ..	0	6	19	6	0	0	0	0
Acklington .. ..	0	16	14	1	0	0	0	0	Falmouth .. ..	0	4	14	13	0	0	0	0
Gorleston .. ..	1	16	14	0	0	0	0	0	Aldergrove .. ..	1	10	16	4	0	0	0	0
Cambridge .. ..	0	14	16	1	0	0	0	0	Armagh .. ..	0	11	16	4	0	0	0	0

TABLE XIII—SOLAR RADIATION AND ILLUMINATION, DECEMBER, 1969

STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						DIFFUSE RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						TOTAL ILLUMINATION ON A HORIZONTAL SURFACE kilolux-hours					
	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days	Max.	Date	Min.	Date	Daily Mean	No. of days
Lerwick .. ..	40	3	1	26	13.0	31	29	4	0	21	11.6	30	44	3	1	20	15.4	31
Eskdalemuir .. ..	104	12	2	29	31.2	31	37	8	2	29	19.1	31	95	12	4	29	36.1	31
Cambridge .. ..	92	8	8	25	36.0	31	70	2	8	25	31.2	31	-	-	-	-	-	-
London W/Centre .. ..	106	15	10	14	34.5	31	58	5	10	14	28.4	31	115	8	12	14	40.7	31
Kew .. ..	99	15	10	12	36.4	31	60	5	10	12	30.7	31	117	15	15	12	45.4	31
Bracknell .. ..	97	8	11	12	40.7	31	71	2	12	12	35.7	31	133	8	15	12	52.8	31
Aberporth .. ..	102	4	11	18	50.7	31	54	11	11	18	37.0	31	-	-	-	-	-	-
Aldergrove .. ..	86	11	9	29	39.1	31	42	15	6	28	27.1	31	-	-	-	-	-	-
Jersey Airport .. ..	127	9	14	19	57.2	31	70	16	14	19	41.7	31	145	9	18	28	65.9	31



TABLE II—ADDITIONS DECEMBER, 1969

[illegible]

§ Incomplete record

### TABLE III—ADDITIONS AND CORRECTIONS

[illegible]

### TABLE IV—ADDITIONS AND CORRECTIONS

[illegible]

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# Monthly Weather Report

## OF THE METEOROLOGICAL OFFICE

### Summary for the year 1969

DUPLICATE ALSO

METEOROLOGICAL  
18 MAY 1971

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### 1969—A DULL, COLD WINTER AND SPRING FOLLOWED BY A DRY SUMMER AND AUTUMN

Winter and spring were dull and cold and also wet in the south and east. April, however, was sunny, but it was still cold. Summer and autumn were mainly dry with above average temperatures but sunshine was below average in September.

During a cold, snowy February a gust of 118 kt occurred at Kirkwall (Orkney) with a temperature of  $-4^{\circ}\text{C}$ . This is the highest confirmed wind speed at a low-level station in the United Kingdom. In March a heavy glazed frost occurred widely in the Midlands and northern England. The dry winter and spring in north-west Scotland, where it was the driest March for over 40 years in places, contrasted sharply with the waterlogged state of the ground in eastern England. April contained a memorably sunny Easter in many areas but was followed by a very wet May. The summer and autumn featured some long dry spells. In fact, October over England and Wales as a whole has not been drier since 1784, although the month was equally dry in 1809 and 1947. By October, in contrast to the springtime conditions of the fields in eastern England, the ground had become so hard there were reports of pneumatic drills being used to break the soil. Water restrictions were enforced in many urban areas and water-levels in some reservoirs fell enough to expose buildings previously inundated. Despite the generally dry summer there were some notably heavy falls of rain locally and one occurrence of a widespread heavy fall on the 28/29 July. Intense falls included: in June, 59 mm in 45 minutes in Yorkshire; in July, 145 mm in 24 hours in Cornwall and, in August, 77 mm in 2 hours in Lanarkshire. After the Indian Summer in October the contrast with a cold November, which brought sleet

(rain or drizzle and snow) to Devon as early as the 8th, was all the more marked.

Weather

January The month was generally dull and mild especially during the fourth week. The weather was mostly changeable and some heavy rain occurred at times.

February It was a very cold and snowy month and blizzards occurred in many places. Deep snowdrifts isolated villages and blocked roads at times. Winds were mostly northerly or easterly and the weather was occasionally stormy, especially in the north and east during the first week.

March Persistent east or south-east winds resulted in a cold and dull month. Although snowfall was mainly light there were one or two heavy falls in the north around mid-month and blizzards occurred in places from the 12th to 14th.

April It was generally sunny but cold. The weather was mostly settled during the first week and around the 18th, but changeable, often stormy, weather occurred at other times.

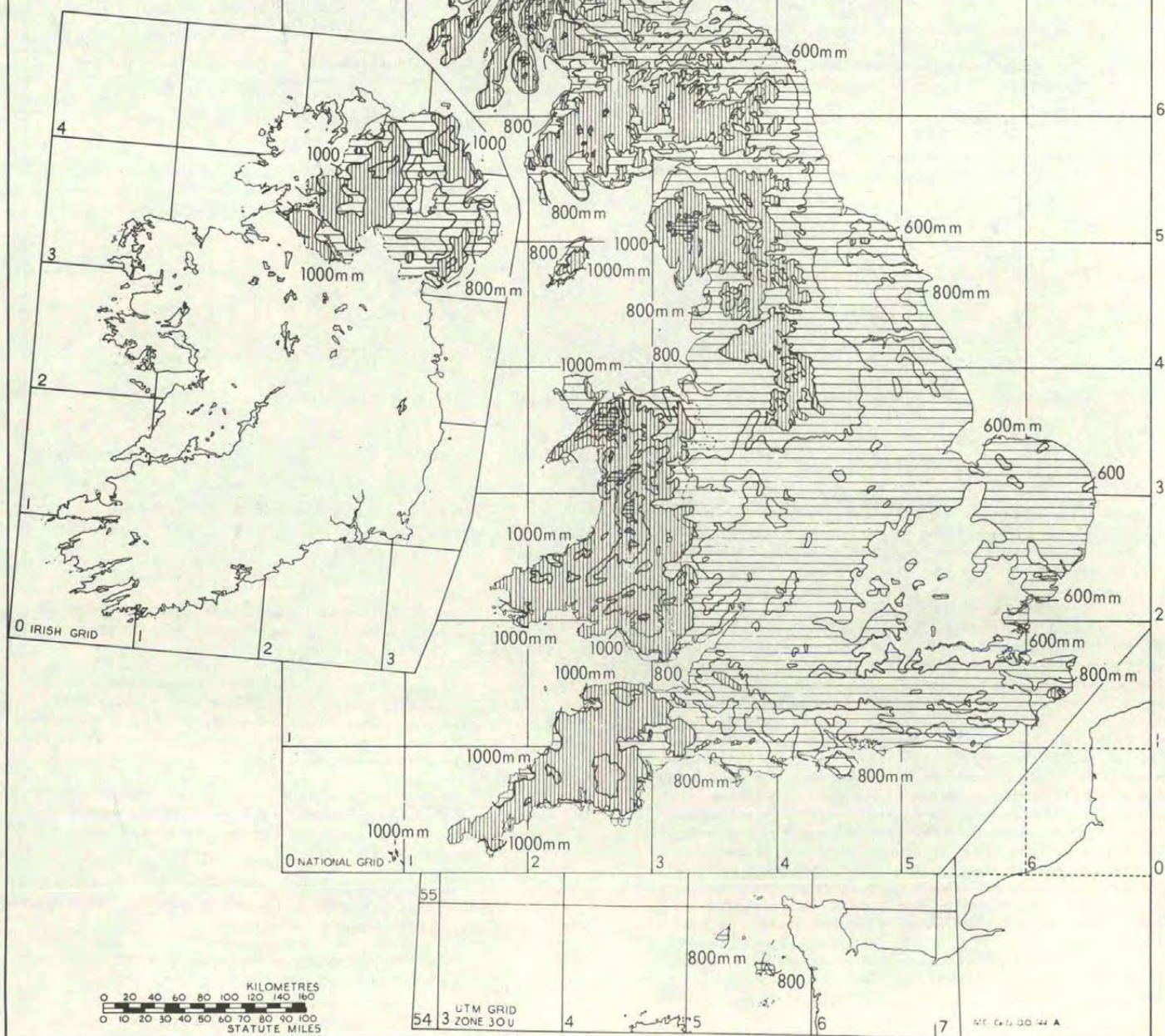
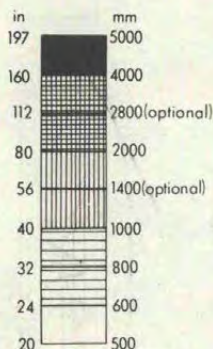
May Very changeable weather occurred throughout the month and it was dull, wet and thundery in many areas.

243A

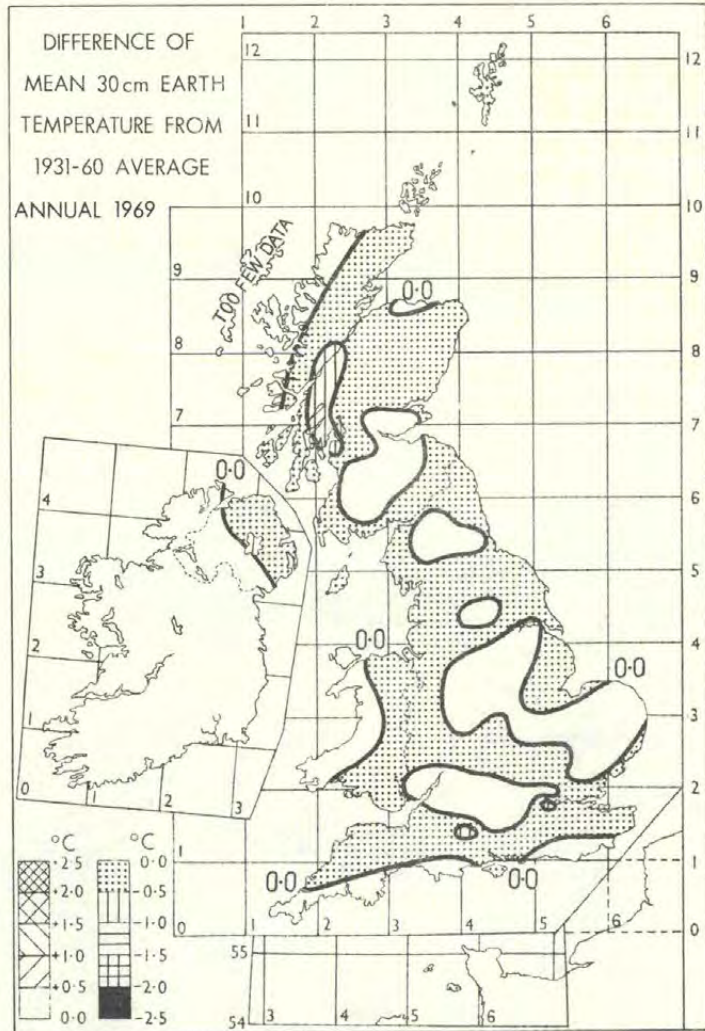
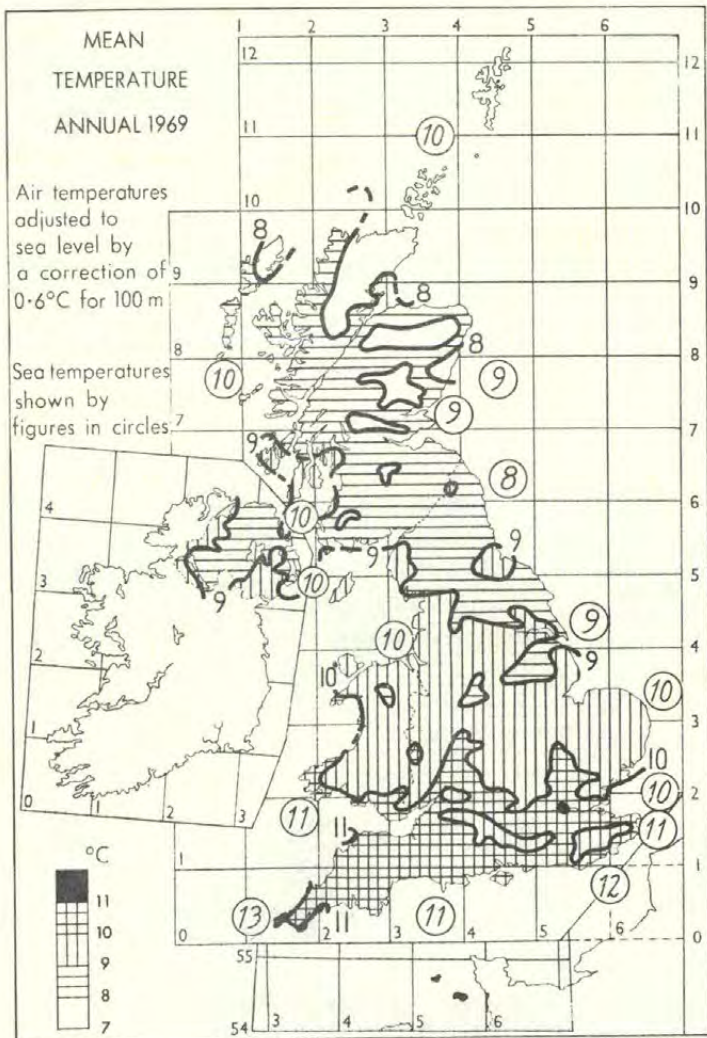
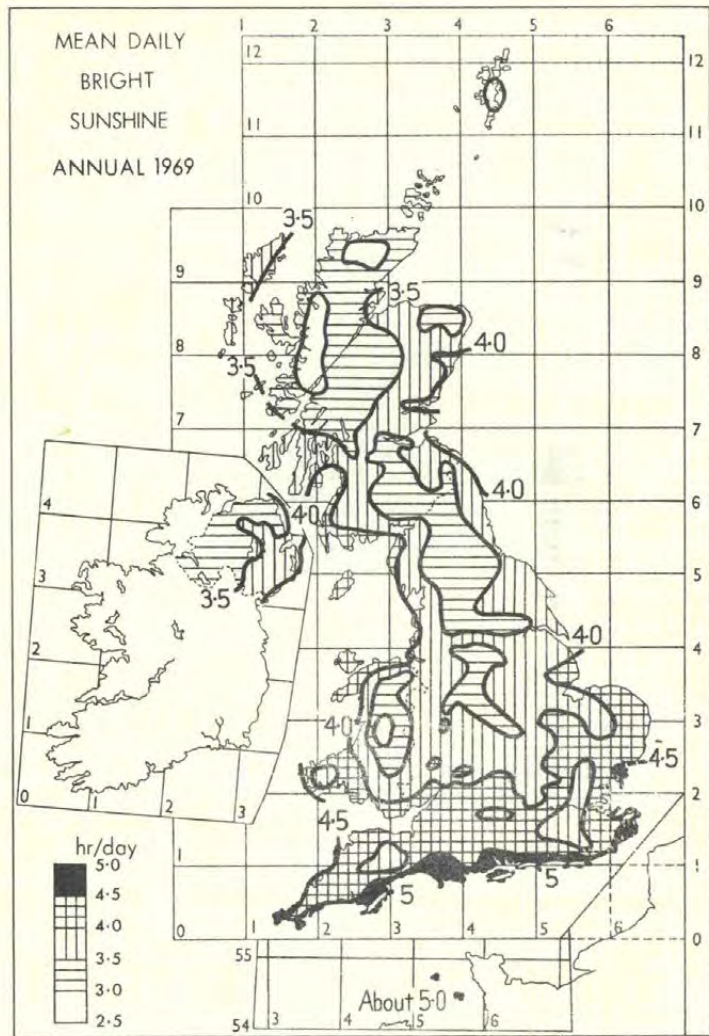
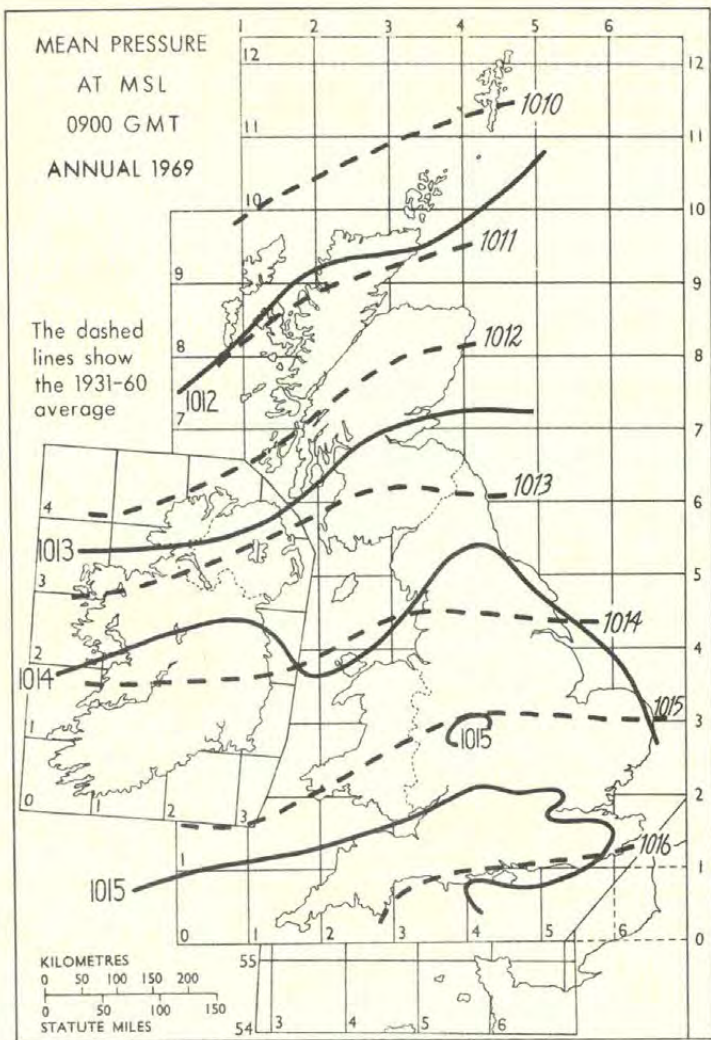


# RAINFALL 1969

The equivalent values in inches  
are given in round numbers









**June** It was unsettled at first in the south and west but it became dry nearly everywhere by the end of the first week. From mid-month it was changeable, although dry weather returned to the south during the last week.

**July** The month was generally sunny. There was a long warm, dry spell in southern districts from the 9th to 27th but farther north the weather was mostly changeable throughout the month.

**August** During the first 3 weeks it was generally warm, but heavy thundery rain occurred in some areas. The last 10 days or so were cooler and north-westerly winds became blustery at times in the north and east.

**September** It was settled and very dry in most southern districts but the weather was more changeable elsewhere. It was stormy at times in the north during the last 10 days and very strong gusts occurred in places.

**October** The very dry weather continued in the southern half of the country but with fog at times. In the north the weather remained changeable and was occasionally stormy.

**November** The weather was generally changeable, even stormy at times, and some heavy rain occurred. It was also cold and snow fell in most areas but sunshine was generally above average.

**December** It was mainly cold and dull and fog occurred widely at times, but there were also some changeable spells with rain and snow; blizzards occurred in northern and western areas on the 19th.

### Wind

The frequency of gale force winds during the year was, in general rather below average although it was above average in northern districts in September and October and on exposed coasts in November. The gust of 118 kt at Kirkwall, height 41 m on the 7 February is the highest confirmed wind speed ever recorded at a low-level station in the United Kingdom. It is the second highest gust on record in this country, the highest is 124 kt recorded at Cairngorm (Inverness-shire), height of instrument 1075 m. During an easterly gale in south-west England on 19 February, sea defences along the south Devon coast were breached and property was damaged. During March persistent east or south-east winds resulted in very rough coastal waters; on the 18th the Longhope lifeboat, from Hoy in the Orkney Islands, was overwhelmed in a gale in the Pentland Firth and all eight members of the crew were drowned. In September gusts over 80 kt occurred and at Cairngorm gusts of 104 kt and 106 kt were recorded on the 21st and 28th respectively. On the 28th Dounreay (Caithness), height 34 m, had an hourly mean wind speed of 69 kt. This is practically the same as the highest hourly mean wind speed ever recorded at a low-level station in the United Kingdom - 69.5 kt at St Ann's Head (Pembrokeshire), height 65 m.

### Temperature

Over the year as a whole mean temperature was below average everywhere; the coldest areas were Northern Ireland, north-east England and south Scotland. Outstanding months were February and March when mean temperature was decidedly below average and January and October when it was above average. The period June to August was one of only two summers in the 1960's to attain or just exceed the average.

**January** Although there were a few brief cold spells at first, the month was mild and exceptionally so from the 20th to 26th. The temperature reached 15°C at Torquay on the 21st and at Camden Square (London) on the 22nd; this is the highest temperature recorded at Camden Square during this century and at Torquay since 1923. It was the mildest January for 48 years at Hampstead (London), for 21 years at Oxford and for 20 years, apart from 1957, at Ross-on-Wye (Herefordshire).

**February** It was the coldest February since 1963 in many areas. At Balmoral (Aberdeenshire) and at Colonsay (Argyll) the monthly mean temperature was 3.7 degC below average. At Newton Rigg (Cumberland), 171 m, a minimum temperature of -20.0°C occurred on the 16th; this is the lowest temperature recorded there this century.

**March** In general it was the coldest March since 1962 with mean temperature 2-3 degC below average in most areas but it was slightly less cold in the south. It was particularly cold in Scotland during the second week with frost persisting all day in many places.

**April** Except for a few places in south-west England it was colder than average. The first and third weeks were particularly cold in most districts although there was a short mild spell around the 8th.

**May** Mean temperature was about 1 degC below average in Scotland and slightly above average in parts of the Midlands and eastern England. The month began rather cold especially in the north and it was generally cold again around the 18th and 19th. There was a warm spell at the end of the second week and it was very warm in the south on the 13th.

**June** Although monthly mean temperature was about 1 degC above average in north Scotland and around 1 degC below average in eastern England elsewhere it was near average. It was cold at first especially at night and slight frost occurred in a number of places; another cold spell occurred from the 19th to 25th. During the second week it was very warm by day in most areas and similar weather occurred again in the south during the last week.

**July** It was generally warm in southern districts for much of the month and some days were hot. On the 16th temperatures exceeded 30°C in a number of places in England. Farther north, temperatures rose well above average around mid-month. It was colder than average at the beginning of the second week and during the last few days. Mean temperature in a few areas was more than 1 degC above average.

**August** Some places in Scotland had their warmest August since 1959 and mean temperature was about 1 degC above average. Mean temperature was near average in most other areas. The first half of the month was generally warm although nights were cool in the south. Temperatures exceeded 30°C in East Anglia and south-east England around the 10th. It was rather cold during the last 10 days and slight frost occurred in some Scottish upland areas on the 24th. On the same night ground frost was widespread in the north and occurred in a few places in southern England.

**September** Monthly mean temperature was near average in most areas. There were some very warm days in East Anglia and south-east England around the 12th and temperatures in the Thames estuary reached about 28°C. It was cooler than average mid-month and cold during the last few days.

**October** As a whole the month was unusually warm although it was cool at the beginning and at the end. In a few areas the monthly mean temperature was over 3 degC above average, but in general, it was 2-3 degC above average. It was the mildest October at Durham since records began in 1847, and around the 9th and 10th many places had their warmest October day since 1959. The temperature reached 26.5°C at East Dereham (Norfolk) on the 9th.

**November** A number of places reported their highest November temperature on record during the first few days, for example Boscombe Down (Wiltshire) since 1931. It became colder after the 3rd and, despite a mild spell in the south later, monthly mean temperature was below average everywhere but especially in north Scotland. At Kinlochewe (Ross and Cromarty) mean temperature was 3.8 degC below average and it was the coldest November at Lerwick Observatory (Shetland) since continuous records commenced in 1926.

**December** Most areas were 1-2 degC colder than average. Frost was severe at times, occasionally persisting all day in places.

The following tables give (1) monthly and annual departures from the 1931-60 average temperatures, and (2) the highest and lowest temperatures recorded in each month in (a) England and Wales, (b) Scotland and (c) Northern Ireland.

(1)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	Degrees Celsius												
a	+1.9	-2.8	-2.3	-0.9	-0.1	-0.5	+0.6	+0.2	+0.3	+2.5	-1.3	-1.4	-0.3
b	+1.2	-2.8	-2.3	-0.9	-0.7	+0.3	+0.4	+1.0	+0.2	+2.3	-2.7	-1.0	-0.4
c	+0.7	-3.1	-2.7	-0.9	-0.6	-0.5	+0.5	+0.4	+0.1	+2.8	-2.3	-0.8	-0.6

(2)

		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
		Degrees Celsius											
a	Max	15.0	13.9	15.0	23.9	27.2	27.4	32.5	30.6	28.3	26.5	20.6	15.0
	Min	-10.6	-20.0	-11.7	-8.3	-5.0	-4.4	0.6	0.0	-5.6	-4.4	-11.1	-11.0
b	Max	13.3	11.1	13.9	21.1	21.1	26.7	28.3	27.8	24.4	23.3	17.8	13.0
	Min	-20.0	-20.6	-11.7	-7.8	-5.6	-3.9	0.6	-1.1	-4.4	-3.9	-12.2	-11.7
c	Max	13.0	10.2	13.4	18.5	19.8	27.9	28.8	24.4	22.2	24.1	17.8	12.8
	Min	-11.7	-13.3	-9.2	-7.2	-4.0	-1.0	1.3	1.6	-1.7	-2.3	-5.6	-7.8

### Rainfall

This was the fifth consecutive year with rainfall over England and Wales greater than average but the excess was smaller than in recent years. In Scotland and Northern Ireland, annual rainfall was much less than average and in Scotland it was generally the driest year since 1955. Over England and Wales the period January to May was the wettest such period since 1951 but, in contrast, January to April in Scotland was the driest start to a year since 1956. The period June to October was very dry; in England and Wales it was the fourth driest such period in the last 100 years and in Northern Ireland the period was the driest since comparable records began in 1900. September and October together were the driest combination of these months over England and Wales since 1727 when records commenced. One of the heaviest annual rainfall totals was over 3398 mm at Styhead Tarn (Cumberland) and one of the smallest annual totals was just over 461 mm at Erith (Kent.)

**January** It was rather a wet month in most areas but there was a great contrast in the rainfall in Scotland. Although more than twice the normal amount of rain fell in Kincardineshire, many inland areas in western Scotland received barely half the normal amount. Rain was widespread and heavy on the 7th in Northern Ireland and Scotland and again on the 20th in Wales, western England and the Midlands. On the 20th a 'daily' fall (during the 24-hour period ending 0900 GMT on the 21st) of 124 mm of rain was recorded at Bryn Gwynant (Caernarvonshire). On the same day falls in excess of 50 mm occurred in many areas.

**February** Rainfall (including melted snow) was less than half the average over large areas of western Scotland and north-west England. In contrast, more than twice the average rainfall occurred near Durham, around Wrexham



(Denbighshire) and in the Yorkshire wolds. Much of the precipitation during the month was in the form of snow. However, rain was widespread and heavy in Scotland, northern England and Northern Ireland on the 10th and again in Northern Ireland on the 22nd where a 'daily' fall of over 56 mm was recorded at Spelga Dam (Co. Down).

**March** It was a very dry month in Scotland, Northern Ireland, Wales and north-west England. It was the driest March in Stornoway (Outer Hebrides) since records began in 1871 and at many other places in west Scotland for over 40 years. Only 5 mm of rain fell at Tiree (Inner Hebrides) during the whole month. Most other areas had above average rainfall and nearly three times the average occurred at Pontefract (West Riding of Yorkshire). Until the 10th many places in south-west England had had no measurable rain for a fortnight. There followed a wet spell with flooding locally in East Anglia and, between the 11th and 13th, some places in south and east England had almost the average rainfall for the whole month.

**April** In a few areas in west Scotland less than half the average rainfall was recorded and April was the sixth consecutive month with a rainfall deficit in many places. In the Thames estuary rainfall was less than a quarter of average but in sharp contrast, nearly two and a half times the average fell in north Lincolnshire. Most districts were dry until the 8th and there was also little rainfall from the 17th to 20th. Heavy rain occurred in the north-west on the 9th and a 'daily' fall of over 70 mm was recorded at Borrowdale (Cumberland). There were also heavy falls of rain in many areas during the period 21st to 28th.

**May** The month was very wet in most areas. Over three and a half times the average rainfall occurred around March (Cambridgeshire) where it was the wettest May since records commenced in 1872. More than three times the normal amount fell at Montrose (Angus) and in the west Midlands. It was the wettest May at Montrose and Bidston (Cheshire) since records began in 1866 and 1867 respectively. On the other hand it was the seventh consecutive month in the Fort William (Inverness-shire) area with a rainfall deficit. Much of the rainfall during the month was thundery and some heavy 'daily' falls occurred. These included over 68 mm at Little Onn Hall (Staffordshire) on the 24th.

**June** About half the average rainfall occurred in north and east Scotland and parts of the south Midlands and central southern England. On the other hand, nearly twice the average fell in parts of south-west Scotland and at Dumfries. It was the wettest June since 1948. Although it was wet at first, most places had a dry spell from the 5th to 13th. There followed a changeable period with some heavy rain in many places. A fall of rain classified as 'very rare' occurred at Worsbrough Dale, near Barnsley (West Riding of Yorkshire) on the 14th when 59 mm of rain fell in 45 minutes during a thunderstorm. Statistically, rainfall of such intensity may be expected to occur at a particular place on only 1 day in 160 years. On the next day, 35 mm fell in 18 minutes at Dudley (Worcestershire) and, on the 17th a 'daily' fall of over 72 mm was recorded at Swincombe (Devon). It was mainly dry in the south after the 25th.

**July** From the 9th to 27th some places in southern England had no measurable rainfall. In spite of this, more than twice the normal rainfall occurred in parts of Devon and Cornwall and on the Kent and Essex coasts, mainly as a result of heavy rain on the 6th/7th and 28th/29th. Rainfall was as low as 15 per cent of average in parts of Co. Fermanagh and less than 25 per cent of average in Anglesey. Many areas had less than half the normal amount of rainfall and at Dumfries it was the driest July since 1913. The outstanding event of the month was the exceptional frontal rainfall in England and Wales on the 28th/29th when a number of 'daily' falls classified as 'very rare' occurred in the south-west; these included 145 mm at Ellbridge, near Plymouth. During the same period numerous 'daily' falls in excess of 100 mm occurred in South Wales and the Midlands.

**August** Some areas in north-west England recorded less than a third of the average rainfall and less than half the average occurred in many parts of Northern Ireland (where, in general, it was the driest August since 1959) and south-west Scotland. In other areas rainfall was very variable due to some intense local falls. On the 2nd/3rd a fall of 96 mm of rain occurred in 10 hours at Hampton (south-west London) and, on the 2nd, a 'daily' fall of 127 mm was recorded at Southam (Warwickshire). Falls of over 50 mm occurred widely in east and south-east England and the Midlands during the same period. On the 11th a 'daily' fall of 95 mm was recorded at Cantref Reservoir (Brecknockshire) and, on the 15th, 46 mm of rain fell in 1 hour at Manston (Kent) where the average for the whole month is only 50 mm. Over 77 mm fell in 2 hours at Coulter Reservoir, near Symington (Lanarkshire), on the 16th and most of a 'daily' fall of 103 mm at Ashcroft (Cumberland) on the 20th was estimated to have fallen in 6 hours. Both these falls are classified as 'very rare.'

**September** In general it was the driest September over Northern Ireland since 1933 and in many parts of England since 1959. Rainfall was below half the normal amount over wide areas. Rainfall was less than a tenth of average at many places in east and south-east England and no measurable rainfall fell in parts of East Anglia. In contrast with these areas it was the wettest September in Lerwick since 1917 and nearly twice the average rainfall occurred in the Hebrides. After a dry first week it was wet in the west and north from the 9th to 11th with local flooding. A 'daily' fall of over 101 mm was recorded at Ennerdale (Cumberland) on the 9th. During a thunderstorm on the 18th at Inkpen (Berkshire), 26 mm of rain fell in 30 minutes. 'Daily' falls in excess of 60 mm occurred in north Scotland on the 21st.

**October** Together with October 1809 and 1947, this was the driest October over England and Wales since 1784. It was the driest October at Oxford (Radcliffe Observatory) and at Durham since records began in 1815 and 1879 respectively. In Northern Ireland it was, in general, the driest October since 1962. Although rainfall exceeded average in parts of north Scotland and central Wales, it was less than half the average in most other areas. Many places in the southern half of England recorded less than 10 per cent of average

rainfall and at least one station near Bedford reported no measurable rainfall during the whole month. Some heavy 'daily' falls occurred in north Scotland at times; on the 15th falls of more than 70 mm were recorded in a number of places including 102 mm at Kinlochourn (Inverness-shire).

**November** Most areas had more rainfall (including melted snow) than normal. Over two and a half times the average occurred in Flintshire and at nearby Bidston it was the wettest November since records began in 1867. There were a number of heavy rainfalls during the month; on the 6th Mount Batten (Plymouth) had its heaviest 24-hour November rainfall since records commenced in 1921 and the month also saw the wettest 'day' of the year in Northern Ireland. This occurred on the 21st/22nd when, during the 24 hours ending 0900 GMT on the 22nd, falls in excess of 100 mm occurred and nearly 138 mm of rain were recorded at Ballybraddin Forest (Co. Antrim). Omagh (Co. Tyrone) was cut off by flood-water and Armagh Observatory experienced its heaviest 24-hour rainfall since records began in 1840.

**December** Rainfall in most areas was about average but more than 150 per cent of average fell in eastern England. In contrast to this, less than a quarter of the average rainfall occurred around the town of Inverness and some places in north Scotland had their driest December for over 30 years. Garthbeg (Inverness-shire) recorded its driest December since 1933. Flooding followed heavy rain on the 13th/14th in parts of the north and west and at Seathwaite (Cumberland) over 109 mm of rain were recorded in the 24 hours ending 0900 GMT on the 14th.

The following table gives revised monthly and annual general rainfall amounts expressed as percentages of the 1916-50 averages for (a) England and Wales, (b) Scotland and (c) Northern Ireland.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	Per Cent												
a	105	110	135	98	184	103	90	94	52	19	149	102	101
b	95	78	48	82	134	99	69	72	98	75	119	79	87
c	121	104	73	103	149	111	54	54	41	53	127	103	89

#### Thunder

In every month the number of days on which thunder was reported was greater in the south than in the north. May was the most thundery month and thunderstorms were reported in a few localities in England on about five times the average number of days. During July in Kent and in August in parts of the Midlands and eastern England, thunderstorms occurred on twice the average number of days. November was unusually thundery, thunder being reported on more days in this month than in either June or July. Lightning strikes during May and June killed at least two people, injured others and damaged property. On 16 July hailstones which fell in Northamptonshire were, according to the Press 'nearly 2 inches (5 cm) across.'

#### Snow

A remarkably snow-free January was followed by a cold February in which the frequency of snow was well above average. After this, snowfall on low ground was mostly slight but during the summer more snow-falls than usual persisted in the Cairngorms. In November snow occurred earlier than usual in the south of the country.

**January** The frequency of snow or sleet was well below average and, in general, the few snowfalls were confined to high ground. Snow covered the Scottish mountains above 600 m during the whole month and the North Pennine Moors for much of the month above 750 m.

**February** It was a snowy month with some heavy falls and blizzards occurred in many places. Snow fell on 20-25 days on high ground in parts of Scotland and on 10-15 days in southern England. Main snowy periods were the first few days, 7th to 10th (the Press reported that snow fell to a depth of 20 cm in 5 hours in parts of Derbyshire on the 7th), 13th/14th and 19th/20th.

**March** Snow or sleet occurred frequently in central and eastern Scotland during the first three weeks. It was mainly slight but from the 12th to 14th snowfalls of 20-30 cm which occurred on high ground accumulated later into deep drifts. Farther south snowfall was infrequent and slight.

**April** Snowfall was generally light and snow did not lie on low ground to any extent. Wintry showers occurred widely in Scotland during the second week and in East Anglia on the 18th and 19th. Snow lay throughout the month on the highest ground in Scotland and northern England. In North Wales snow covered the ground above 750 m on 12 days during the month.

**May** Occurrences of snow were mainly confined to upland areas in the north and snowfall was light. Fresh snowfall did not lie except on the highest ground. On the 18th sleet was reported on Exmoor.

**June** Snow fell on the peaks of the Grampians on the 4th. Complete snow cover persisted above 1200 m in these areas until the 22nd with smaller patches lasting throughout the month at lower levels.

**July** Snow persisted all the month on east-facing slopes in the Grampians above 900 m.

**August** On the peaks of the Grampians more areas of snow than usual



were seen lying during the month. Sleet occurred above 900 m in these areas during the last week.

**September** On the 8th sleet occurred on the peaks of the Grampians and on the last 4 days snow settled in the Scottish mountains and in the northern Pennines at altitudes above about 600 m.

**October** On the 1st/2nd sleet fell on high ground in the extreme north of Scotland and snow settled in these areas above 600 m on the 28th/29th.

**November** Snow or sleet was more frequent than average and came earlier than usual in the south. While snow occurred frequently in Scotland, farther south the main snowy period was around the 16th. On this day snowfall caused some damage in Derbyshire where, at Ashover, height 186 m, 20 cm of snow accumulated in 4 hours.

**December** Snow showers in the north and east during the first week resulted in 10 cm of snow lying in places as far south as Suffolk. Blizzards occurred in North Wales, north-west England and south-west Scotland on the 19th. More snow fell in England and Wales during the last few days and 3-6 cm of snow accumulated in parts of South Wales and the West Country.

### Sunshine

The year was slightly less sunny than the normal. Sunshine generally during January and May and in eastern areas in December, fell far short of the average but sunshine amounts in April, June and November redressed the balance somewhat. At Ross-on-Wye, November was sunnier than September an event unprecedented in records which began in August 1914.

**January** It was a dull month nearly everywhere especially in north-western areas where, in places, sunshine amounts were only about 50 per cent of average. At Tíree it was the dulllest January for 19 years but in east Scotland amounts of sunshine were near average. The second and third weeks were particularly dull.

**February** Sunshine amounts were mostly about average despite a rather dull last week. However, while eastern coasts and parts of the West Country had a somewhat dull month, north-west Scotland was sunnier than average where Duntulm (Isle of Skye) had 144 per cent of average.

**March** Except in a few places in west Scotland and parts of South Wales, sunshine was below average. A few places recorded barely half the average amount and it was the dulllest March at Kew Observatory (south-west London) since 1916.

**April** It was sunny everywhere except in a few places on the east coast and in the Northern Isles. Many places had their sunniest April for over 15 years and sunshine was particularly abundant during the first week. At Oxford it was the sunniest April since 1914 and excesses of over 50 hours sunshine occurred in some areas.

**May** This was a very dull month everywhere except in a few places in Sussex. It was particularly dull in Scotland where a few areas had less than half the average amount of sunshine. It was the dulllest May at Eskdalemuir Observatory (Dumfriesshire) and Dumfries since records began in 1910 and at Perth since records began in 1914. Throughout the month, daily sunshine amounts were very variable, although there was a relatively sunny spell in Scotland from the 19th to 23rd.

**June** Sunshine amounts were above average nearly everywhere. At the London Weather Centre it was the sunniest June since records began in 1929 and at many other places it was the sunniest June for 10 years or more. Sunshine was particularly abundant during the second week.

**July** The month was generally sunnier than average except in a few coastal areas. A number of places had their sunniest July for 10 years or more. Sunshine was particularly abundant in the south from the 11th to 18th and on the 12th, Ross-on-Wye recorded its sunniest July day since July records commenced in 1915.

**August** Sunshine in most areas was near average; it was rather above in Scotland but a little below elsewhere. In the Glasgow area amounts were about 50 per cent above average and it was the sunniest August there since 1947. On the other hand, at Mildenhall (Suffolk) it was the dulllest August since records commenced in 1936 and Tíree had its lowest August sunshine total since 1942.

**September** Most places had less than average sunshine and Wales, Northern Ireland and parts of western Scotland were dull. Newton Rigg recorded only 53 per cent of average sunshine.

**October** Sunshine amounts were rather variable. In general they were below average in the northern half of the country and above average in the south. Tíree and Castle Archdale Forest (Co. Fermanagh) recorded only 64 per cent of average but Dunbar (East Lothian) had 138 per cent of average.

**November** Parts of Scotland had a dull month but it was sunnier than average in most areas. Ringway (Cheshire) recorded 185 per cent of average and Ross-on-Wye had its sunniest November since 1925 and the month there was sunnier than September.

**December** Sunshine was below average in most areas and it was exceptionally dull in East Anglia where sunshine amounted to less than 30

per cent of average in places. It was the dulllest December at Cromer (Norfolk) since records commenced in 1902.

The following table gives monthly and annual general values of sunshine expressed as a percentage of the 1931-60 averages for (a) England and Wales, (b) Scotland and (c) Northern Ireland.

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	Per Cent												
a	68	99	64	122	75	128	117	85	78	105	137	69	94
b	76	106	94	113	69	118	106	110	90	91	113	89	98
c	70	94	80	124	76	120	121	99	73	79	100	87	96

The 10 sunniest stations during the year as a whole in order were:

No.	STATION	HOURS	No.	STATION	HOURS
1.	Jersey (St. Helier)	2005.6	6.	Shanklin	1871.2
2.	Jersey (Gorey Castle)	1938.8	7.	Guernsey (L'ancrese)	1848.5
3.	Jersey Airport	1905.6	8.	Bognor Regis	1847.9
4.	Swanage	1885.1	9.	Ventnor	1838.9
5.	Eastbourne *	1873.4	10.	Sandown	1830.0

\* Includes an estimate for one day missing

The 3 sunniest stations in Scotland, Northern Ireland and Wales were:

SCOTLAND		NORTHERN IRELAND		WALES	
Station	Hours	Station	Hours	Station	Hours
1. Dunbar	1596.6	Kilkeel	1502.9	Newport	1623.5
2. Arbroath	1577.3	Ballyhalbert	1459.2	Botwnnog	1599.6
3. Usan	1556.6	Murlough	1447.6	Carmarthen	1577.9

The sunniest stations in each month were:

MONTH	STATION	HOURS
January	Jersey (St. Helier)	66.4
February	Jersey (St. Helier)	106.9
March	Tíree	138.1
April	Shanklin	242.1
May	Jersey (St. Helier)	242.0
June	Swanage	304.6
	Shanklin	304.6
July	Jersey (St. Helier)	297.6
	Jersey (Gorey Castle)	297.6
August	Jersey (St. Helier)	249.0
September	Folkestone	182.5
October	Jersey (St. Helier)	178.1
November	Torquay	113.8
December	Torquay	63.1

### Fog

There were no protracted spells of fog during the year. Foggy periods such as there were occasioned inconvenience rather than ill-effects, although during a foggy December, persistent fog in industrial areas coinciding with an influenza epidemic caused some alarm. A remarkable feature of the year was the low incidence of fog in November due to the changeable nature of the weather during that month. Hill and coastal fog often hampered air and sea traffic and in March a ship sank in the English channel after a collision in fog.

**January** Fog persisted all day on the 1st in the West Country and on the 4th in south-east England. Freezing fog occurred in Northern Ireland on the 6th and in the Midlands and eastern England on the 9th. Fog in Northern Ireland on the 15th caused traffic dislocation. In south and west England hill fog was extensive from the 21st to 25th.

**February** Patches of freezing fog persisted all day in parts of the north on the 17th and there was a foggy spell in England and Wales from the 22nd to 25th. Hill fog was extensive on the 25th in the Midlands and southern England.

**March** Fog was widespread and dense in northern England on the 13th. The next day a ship sank in the Channel after a collision in thick fog. Hill fog was extensive in many southern areas from the 17th to 22nd.

**April** Sea fog affected many coasts at times during the month, particularly eastern coasts from the 22nd to 24th.

**May** Coastal fog occurred frequently during the month and fog was widespread in the Midlands and eastern England on the 3rd.



June Sea fog which affected eastern coasts from the 10th to 15th was persistent at times in some areas.

July Hill and coastal fog occurred frequently in western districts from the 11th to 22nd often encroaching well inland at night.

August In Scotland, hill and coastal fog was frequent during the first week and occurred on eastern coasts of England and Scotland around mid-month.

September Morning fog occurred in many parts of England and Wales during the first 10 days and hill fog was widespread in the Midlands and south-east England from the 13th to 18th.

October Foggy spells occurred from the 5th to 11th and during the third week. The fog was confined chiefly to nights and mornings.

November The month was remarkably free of fog.

December Fog occurred widely in England and southern Scotland from the 8th to 13th; it was sometimes freezing and persisted all day in places. Further foggy periods occurred on the 19th and 20th and from the 25th to 27th. The worst affected areas during these spells were the industrial parts of north-west England and south-west Scotland.

#### Miscellaneous Phenomena

Freezing rain or drizzle during the period 16-18 March caused widespread glazed frost in the Midlands and northern England. Installations and vegetation were damaged and telephone and electric power cables were brought down. On 19 March a television transmitter mast (about 384 m high) on Emley Moor, near Huddersfield, collapsed and a similar mast at Belmont (Lincolnshire) was endangered because of the weight of ice which accumulated on the structure. Earlier in the same month, on the 5th, very dry air spread from the Continent into southern England and relative humidities of 15 per cent or less were recorded in the Thames Valley. During June and July noctilucent clouds were observed on 3 nights and the aurora was seen on 71 nights during the year in Scotland.

TABLE I—DISTRICT VALUES, for the year 1969.

DISTRICTS	AIR TEMPERATURE °C					EARTH TEMP. °C		RAIN DAYS	RAIN-FALL	SUN-SHINE
	*Highest Max.	*Lowest Min.	Max.	Min.	Mean	Mean 30 cm.	Mean 122 cm.			
	Difference from Average							% of Average		
0 SCOTLAND, N	26.1	-10.8	-0.4	-0.7	-0.5	-0.2	-0.1	-7	95	97
1 SCOTLAND, E	27.8	-12.2	-0.4	-0.2	-0.3	-0.1	-0.1	0	92	97
2 ENGLAND, NE	31.7	-11.7	-0.8	-0.3	-0.5	0.0	+0.2	+7	118	97
3 ENGLAND, E	31.7	-11.7	-0.6	0.0	-0.3	0.0	0.0	-3	99	95
4 MIDLANDS	31.7	-10.6	-0.5	-0.1	-0.3	+0.3	+0.2	+4	102	81
5 ENGLAND, SE	31.3	-8.3	-0.1	-0.1	-0.1	-0.1	-0.2	-9	97	96
6 SCOTLAND, W	26.6	-16.2	-0.6	-0.5	-0.5	-0.1	-0.1	-18	79	101
7 ENGLAND, NW and North Wales	28.0	-20.0	-0.5	-0.3	-0.4	0.0	0.0	-9	99	100
8 ENGLAND, SW and South Wales	28.9	-10.0	-0.5	-0.2	-0.3	0.0	+0.1	-17	102	98
N. IRELAND	26.1	-12.9	-0.4	-0.7	-0.6	-	-	-18	89	96
SCOTLAND	27.8	-16.2	-0.5	-0.4	-0.4	-	-	-8	87	98
ENG. and WALES	31.7	-20.0	-0.5	-0.2	-0.3	-	-	-5	101	94

\* Highest Max. and Lowest Min. of the District Value Stations

TABLE II—SUMMARY OF AUTOGRAPHIC RECORDS OF THE WIND—THE YEAR 1969

The Summary showing the duration of wind speed between stated limits and extreme speeds at anemograph stations will be found at Table IX.



Table III—Summary of Daily Observations Year 1969

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS						MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of days										BRIGHT SUNSHINE				
				Means of		Daily Mean (mean of A & B)	Difference from 1931-60 average	Highest Maximum & Lowest Minimum		30 cm.	122 cm.	Total fall (mm)	Percentage of 1916-50 average	Most in a Day		Precipitation		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost 1	Grass min. below 0° C	Concrete min. below 0° C	Gale	Daily mean (hr.)	Percentage of 1931-60 average	Exposure
				Max. (A)	Min. (B)			Maximum	Minimum					Amount (mm)	Date	0.2 mm or more	1.0 mm or more													
0 SCOTLAND, N.																														
Zetland																														
Hamnavoe ...	9 9	21	9.6	5.4	7.5	-	20.6	-5.6	-	-	1235	-	36	20 Dec	293	215	91	33	43	25	2	4	39	-	-	54	3.37	-	-	
Lerwick ...	21-9	82	8.6	4.6	6.6	-0.6	18.5	-7.2	-	-	1237	109	33	21 Sep	265	203	87	42	12	81	1	23	68	90	98	49	2.85	96	-	
Baltasound ...	9 9	24	9.5	4.3	6.9	-	19.4	-8.3	7.4	-	1223	107	25	7 Feb	244	196	92	41	4	12	1	2	64	-	-	34	3.06	-	S	
Orkney																														
Sule Skerry ...	21-9	13	9.9	6.1	8.0	-	18.6	-6.3	-	-	1029	-	38	9 Aug	255	187	29	11	11	2	1	8	17	65	52	45	-	-	-	
Stenness ...	9 9	23	10.2	4.8	7.5	-	23.3	-11.1	7.6	7.7	1049	104	34	14 Jan	282	193	52	30	10	9	1	3	51	116	-	25	3.20	-	-	
Kirkwall ...	21-9	26	9.8	5.0	7.4	-0.5	20.4	-7.0	-	-	1040	104	33	14 Dec	253	197	93	21	65	6	4	6	54	87	78	36	3.05	91	-	
Caithness																														
Dounreay ...	9 9	21	11.0	4.6	7.8	-	24.4	-6.7	-	-	904	-	25	13 Nov	237	173	37	34	9	10	1	24	56	108	-	20	3.46	-	-	
Wick ...	21-9	36	10.1	4.8	7.5	-0.4	23.2	-10.8	-	-	789	104	27	21 Jan	227	162	67	25	11	60	6	14	65	122	94	16	3.27	92	-	
John O'Groats ...	9 9	30	10.2	4.6	7.4	-	21.1	-6.7	-	-	830	-	41	4 Jan	238	171	46	-	16	23	6	13	50	81	-	28	3.41	-	-	
Sutherland																														
Cape Wrath ...	21-9	112	9.5	5.6	7.5	-0.7	24.6	-6.9	-	-	1081	90	32	21 Sep	243	187	50	22	35	2	5	12	38	67	61	49	3.32	-	-	
Achany ...	9 9	85	10.9	2.8	6.9	-	25.0	-16.1	7.7	7.8	1093	104	38	21 Sep	245	175	70	43	22	3	7	8	106	210	-	1	3.24	-	-	
Strathly ...	9 9	37	10.8	4.1	7.5	-0.3	25.6	-9.4	-	-	967	89	27	21 Sep	257	195	88	27	7	19	6	7	78	-	-	3	3.04	99	S	
Achentoul ...	9 9	137	10.3	2.7	6.5	-	26.1	-16.7	-	-	951	-	29	21 Oct	252	184	66	49	10	26	3	4	108	185	-	17	2.95	-	-	
Ross & Cromarty																														
Stornoway ...	21-9	3	10.6	5.0	7.8	-0.7	22.6	-7.8	-	-	1035	103	33	21 Sep	242	185	44	11	11	31	4	0	75	104	88	16	3.48	103	-	
Balmacara ...	9 9	4	12.1	5.7	8.9	-	26.1	-6.7	-	-	1374	-	50	15 Oct	236	197	24	25	1	5	3	0	50	-	5	-	-	-	-	
Poolewe ...	9 9	6	11.8	5.8	8.8	-	26.7	-6.1	-	-	1509	101	45	21 Sep	240	197	25	-	12	8	7	0	47	90	-	6	3.34	-	S	
Rudh Re ...	21-9	16	10.6	6.3	8.5	-	25.1	-5.0	-	-	-	-	-	-	-	-	37	9	20	4	4	2	28	44	54	26	-	-	-	
Inverpolly ...	9 9	14	11.5	5.1	8.3	-	26.1	-8.3	-	-	1232	94	40	21 Sep	237	201	46	33	7	10	5	-	55	135	-	19	-	-	S	
Achnashellach ...	9 9	67	11.2	4.1	7.7	-0.4	26.1	-11.7	-	-	2055	100	65	21 Sep	256	216	47	35	0	0	1	1	79	-	-	7	-	-	-	
Kinlochewe ...	9 9	23	11.9	4.0	7.9	-0.8	26.1	-11.7	8.4	-	1723	87	75	21 Sep	238	198	39	31	0	14	4	1	90	148	-	3	2.70	-	S	
Strathconon ...	9 9	107	11.2	2.9	7.1	-	25.6	-12.8	-	-	1210	-	38	21 Sep	242	173	40	45	5	0	4	-	118	197	-	0	-	-	-	
Fortrose ...	9 9	5	11.0	5.9	8.5	-0.3	26.1	-6.7	-	-	518	80	19	21 Sep	177	115	14	19	1	0	2	6	32	-	3	3.32	95	-	-	
Tarbatness ...	21-9	18	10.5	5.7	8.1	-0.2	24.5	-7.0	-	-	559	100	25	2 Nov	207	122	41	7	2	1	5	7	43	-	-	21	-	-	-	
Inverness																														
Benbecula ...	21-9	6	10.9	5.9	8.4	-0.6	21.3	-7.6	-	-	1084	95	34	15 Oct	244	192	40	15	12	37	3	2	51	108	82	17	3.70	-	-	
Isle of Rhum ...	9 9	5	11.7	5.5	8.6	-	22.8	-6.1	9.7	9.8	2125	84	71	13 Dec	246	210	21	19	32	7	6	0	56	134	-	23	-	-	-	
Prabost ...	9 9	67	10.9	5.1	8.0	-	24.4	-6.7	-	-	1596	87	46	23 Sep	275	213	30	32	5	51	8	4	52	143	-	32	3.43	-	-	
Duntulm ...	9 9	90	10.6	5.4	8.0	-0.6	23.9	-6.7	-	-	1348	100	71	15 Oct	254	218	41	8	19	0	6	3	32	105	-	17	3.32	101	S	
Onich ...	9 9	15	-	4.9	-	-	-	-8.9	-	-	1615	78	44	21 Sep	251	190	-	9	-	-	9	67	121	-	-	2.90	100	S	-	
Fort William ...	9 9	8	12.2	4.8	8.5	-	26.7	-8.9	8.7	9.0	1411	80	64	21 Sep	232	178	41	18	1	8	4	1	78	128	-	-	2.98	-	S	
Corpach ...	9 9	8	12.2	5.0	8.6	-	25.6	-6.1	-	-	1577	-	61	21 Sep	213	180	19	18	3	0	2	1	63	-	-	12	-	-	-	
Fort Augustus ...	9 9	21	11.7	4.5	8.1	-0.2	27.2	-11.7	-	-	879	-	(48)	21 Sep	232	161	22	27	0	0	3	10	85	-	-	7	3.05	-	S	
Inverness ...	9 9	4	11.8	4.4	8.1	-	27.2	-9.4	-	-	507	77	29	9 Aug	152	112	23	28	4	0	3	6	75	116	-	1	3.40	-	-	
Achnagoichan ...	9 9	305	10.6	2.5	6.5	-	26.1	-12.8	6.7	-	684	77	(27)	30 Jan	190	145	-	-	-	-	-	-	133	-	-	-	-	-	-	
Glenmore Lodge	9 9	341	10.3	1.9	6.1	-0.4	25.5	-14.9	-	-	783	77	25	28 Apr	207	149	-	65	-	-	-	1	143	210	-	-	3.16	-	S	
1 SCOTLAND, E.																														
Nairn																														
Nairn ...	9 9	6	11.7	4.5	8.1	-0.4	27.8	-11.1	-	-	473	75	17	21 Sep	204	110	36	24	1	2	5	6	75	128	-	5	3.64	102	-	
Moray																														
Grantown-on-Spey	9 9	229	10.7	1.4	6.1	-	27.2	-20.6	-	-	647	-	25	28 Apr	212	146	75	72	11	7	4	2	146	210	-	1	-	-	-	
Forres ...	9 9	47	11.7	4.8	8.3	-0.2	27.8	-8.9	8.6																					



DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS						MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE				
				Means of		Daily Mean (mean of A & B)	Difference from 1931-60 average	Highest Maximum & Lowest Minimum		30 cm.	122 cm.	Total fall (mm)	Percentage of 1916-50 average	Most in a Day		Precipitation		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost †	Grass min. below 0° C	Concrete min. below 0° C	Gale	Daily mean (hr.)	Percentage of 1931-60 average	Exposure
				Max. (A)	Min. (B)			Maximum	Minimum					Amount (mm)	Date	0.2 mm or more or more	1.0 mm or more													
1 SCOTLAND, E. — contd.																														
Perth																														
Aberfoyle ...	9 9	27	12.2	3.3	7.7	-	26.1	-11.1	-	-	-	1084	-	37	1 Nov	208	174	26	-	0	0	4	-	111	150	-	1	-	-	
Dall ...	9 9	232	10.8	2.5	6.7	-	25.6	-13.0	-	-	-	911	-	47	9 Aug	233	156	67	57	0	6	6	2	141	178	-	5	-	-	
Callander ...	9 9	107	11.6	3.6	7.6	-	26.7	-9.4	-	-	-	1201	-	35	1 Nov	206	176	36	25	3	1	7	8	111	152	-	1	-	-	
Ardtalnaig ...	9 9	130	11.4	4.4	7.9	-	26.7	-7.8	-	-	-	993	75	36	13 Dec	203	149	40	16	5	2	8	2	86	142	-	5	-	-	
Gleneagles ...	9 9	152	10.9	2.9	6.9	-	25.6	-11.1	-	-	-	903	-	37	22 Nov	207	158	35	-	1	11	2	36	128	171	-	2	3.59	-	
Pitlochry ...	9 9	144	10.9	3.5	7.2	-	25.6	-12.8	-	-	-	738	86	27	7 Jan	196	150	38	35	0	7	2	4	104	156	-	0	3.38	-	
Fowls Wester ...	9 9	140	10.9	3.8	7.3	-	25.6	-8.3	8.2	-	-	843	-	24	1 Nov	197	131	36	15	0	8	3	8	92	148	-	3	3.56	-	
Faskally ...	9 9	94	11.5	3.8	7.7	-	26.1	-11.7	8.4	8.7	-	675	75	22	1 Nov	201	137	54	36	0	3	2	6	100	147	-	1	-	-	
Ashintully Castle	9 9	341	9.6	2.6	6.1	-	24.4	-10.0	-	-	-	867	-	28	9 Aug	193	149	42	87	2	0	2	47	125	179	-	0	-	-	
Strathallan ...	9 9	37	11.9	4.5	8.2	-	26.6	-9.4	-	-	-	707	-	21	21 Apr	182	115	26	22	2	19	10	23	88	146	-	2	-	-	
Perth ...	9 9	23	11.7	4.4	8.1	-0.5	27.2	-10.0	-	-	-	675	87	20	21 Dec	199	121	-	19	-	-	-	14	93	129	-	3.41	95	-	
Blairgowrie ...	9 9	70	11.6	3.8	7.7	-	26.1	-11.1	8.3	-	-	703	93	19	8-16 Aug	173	138	17	-	0	0	0	-	96	163	-	2	3.83	-	
Kinross																														
Kinross ...	9 9	113	10.7	3.5	7.1	-	26.7	-12.2	8.6	-	-	849	-	37	22 Nov	182	145	-	25	-	-	-	-	105	142	-	-	3.69	-	-
Fife																														
Pitreevie ...	9 9	40	11.5	5.3	8.4	-	25.5	-8.3	-	-	-	713	-	29	22 Nov	189	119	38	13	8	8	9	13	69	139	115	4	-	-	-
Kirkcaldy ...	9 9	32	11.6	4.7	8.1	-0.5	26.1	-10.0	-	-	-	633	84	20	22 Nov	164	115	29	8	8	6	5	0	92	-	-	4	-	-	-
Cupar ...	9 9	25	11.9	4.2	8.1	-	26.7	-9.4	8.6	-	-	667	91	29	22 Nov	157	120	28	5	12	0	1	10	93	149	-	1	3.63	-	-
Leuchars ...	21-9	11	11.5	4.7	8.1	-0.6	26.3	-8.2	-	-	-	661	97	23	22 May	171	119	56	8	2	27	4	11	84	125	111	8	4.10	101	-
St. Andrews ...	9 9	4	11.4	-	-	-	25.6	-	8.8	9.0	-	616	86	28	22 Nov	151	117	-	1	-	-	-	8	-	123	-	-	3.74	92	-
Midlothian																														
Turnhouse ...	21-9	35	11.8	4.7	8.3	-0.3	26.5	-13.1	-	-	-	624	91	23	21 Nov	179	114	57	17	3	17	9	15	80	131	114	4	3.31	-	-
Edinburgh E. Craigs	9 9	61	11.5	4.7	8.1	-	26.7	-11.7	8.7	-	-	565	81	(19)	21 Nov	161	113	29	20	7	5	8	17	81	137	-	1	3.70	-	-
Davidson's Mains	9 9	61	11.5	4.9	8.2	-0.5	26.1	-9.4	8.1	-	-	612	86	18	10 Sept	197	117	30	19	0	2	8	14	73	148	-	2	3.47	-	-
Penicuik ...	9 9	189	10.9	3.6	7.3	-0.6	27.2	-13.9	8.2	-	-	732	77	34	22 Nov	204	138	47	46	6	0	6	15	104	152	-	3	3.47	-	-
Bush House ...	9 9	184	10.8	3.9	7.3	-	26.1	-13.9	8.2	8.3	-	718	79	35	22 Nov	199	130	37	40	6	1	2	11	104	155	-	2	3.74	-	-
Edinburgh																														
Blackford Hill ...	9 9	134	11.6	5.3	8.5	-0.2	26.1	-6.7	-	-	-	559	80	22	10 Sept	171	108	-	24	-	-	-	18	66	115	-	-	3.71	98	-
Royal Bot. Gdn.	9 9	26	11.8	4.9	8.3	-0.6	26.1	-10.0	9.0	-	-	572	84	18	10 Sept	161	107	25	20	0	1	4	15	71	131	-	1	3.76	103	-
E. Lothian																														
Haddington ...	9 9	49	11.9	4.7	8.3	-	27.8	-16.7	-	-	-	561	86	35	21 Nov	176	108	37	24	3	9	6	5	85	114	-	3	3.70	-	-
Dunbar ...	9 9	23	11.6	5.5	8.5	-0.3	27.2	-8.9	-	-	-	552	93	24	22 Nov	162	108	22	4	2	0	1	5	52	81	-	0	4.37	108	-
Berwick																														
Mertoun ...	9 9	69	-	-	-	-	-	-	-	-	-	627	-	23	10 Sept	181	124	-	-	-	-	-	-	-	-	-	-	3.76	-	-
Lauder ...	9 9	183	11.2	3.2	7.2	-	26.7	-11.7	-	-	-	774	-	37	21 Nov	207	134	47	52	0	3	9	25	111	174	-	1	3.88	-	-
Marchmont ...	9 9	152	11.0	4.2	7.6	-0.5	26.7	-9.4	-	-	-	749	96	34	21 Nov	193	142	43	53	0	0	7	11	82	-	-	7	3.36	97	-
Whitchester ...	9 9	255	10.3	3.6	6.9	-	24.4	-11.1	-	-	-	886	103	33	21 Nov	215	150	65	84	8	1	9	-	110	-	-	10	-	-	-
St. Abb's Head	9 9	75	10.3	5.8	8.1	-	(25.8)	-5.0	-	-	-	-	-	-	-	-	36	5	4	2	0	17	39	55	-	22	-	-	-	
Peebles																														
Stanhope Farm	9 9	226	10.9	3.2	7.1	-	25.0	-15.6	-	-	-	915	80	34	22 July	212	154	43	35	3	0	4	2	104	159	-	3	-	-	-
Blyth Bridge ...	9 9	253	10.4	3.3	6.9	-	25.0	-14.4	-	-	-	735	80	29	21 Nov	197	137	59	38	2	11	9	3	112	167	-	21	3.31	-	-
West Linton ...	9 9	244	10.5	2.2	6.3	-	26.1	-17.2	7.6	8.2	-	748	75	36	22 Nov	239	144	29	38	1	1	2	8	138	155	-	1	-	-	-
Glentworth ...	9 9	177	11.6	3.4	7.5	-	27.2	-17.2	-	-	-	711	92	35	21 Nov	189	119	-	28	-	-	-	2	100	-	-	-	-	-	-
Selkirk																														
Bowhill ...	9 9	183	11.4	3.7	7.5	-	27.2	-15.6	-	-	-	804	92	30	21 Nov	201	135	62	45	6	3	10	9	107	-	-	7	-	-	-
Galashiels ...	9 9	198	10.7	3.9	7.3	-	26.7	-13.9	-	-	-	719	-	24	10 Sept	201	127	52	36	2	24	10	21	102	132	-	3	3.58	-	-



Table III (continued)

DISTRICT, COUNTY AND PLACE	Max. Min.	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS						MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE			
			Means of		Daily Mean (mean of A & B)	Difference from 1931-60 average	Highest Maximum & Lowest Minimum		30 cm.	122 cm.	Total fall (mm)	Percentage of 1916-50 average	Most in a Day		Precipitation		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost 1 below 0° C	Grass min., below 0° C	Concrete min., below 0° C	Gale	Daily mean (hr.)	Percentage of 1931-60 average	Exposure	
			Max. (A)	Min. (B)			Maximum	Minimum					Amount (mm)	Date	0.2 mm or more	1.0 mm or more														
6a SCOTLAND, W. — contd.																														
Renfrew																														
Greenock ...	9 9	61	11.2	5.9	8.5	-0.7	25.6	-5.6	-	-	1142	72	35	1 Nov	222	163	26	9	2	0	8	9	46	99	-	1	3.54	103	S	
Paisley ...	9 9	32	12.1	5.5	8.8	-0.6	27.2	-7.2	8.9	9.1	881	78	33	2 Nov	201	151	34	8	4	1	6	7	59	105	-	6	3.30	99	-	
Barrhead ...	9 9	30	11.8	4.9	8.3	-	26.7	-9.4	-	-	866	75	41	2 Nov	199	154	42	10	13	0	6	9	77	116	-	10	-	-	-	
Abbotsinch ...	21-9	5	11.8	4.8	8.3	-0.6	26.6	-10.2	-	-	824	80	37	2 Nov	195	136	47	8	16	7	9	10	77	131	112	2	3.56	105	-	
Lanark																														
Crossmyloof ...	9 9	23	12.1	-	-	-	27.2	-8.9	-	-	794	-	30	2 Nov	196	149	21	6	0	1	4	14	-	-	-	0	3.54	-	-	-
Thorntonhall ...	9 9	138	-	4.1	-	-	-	-9.4	-	-	940	80	26	2 Nov	204	161	-	29	-	-	-	-	88	145	-	-	-	-	S	
Glasgow, Springburn	9 9	107	11.1	4.9	8.0	-0.5	26.1	-8.9	-	-	880	87	25	8 Aug	210	157	37	27	4	0	3	11	81	155	-	3	3.59	114	-	
Coatbridge ...	9 9	78	11.6	4.7	8.1	-0.4	27.2	-10.6	-	-	787	88	29	9 Aug	191	139	31	14	1	1	5	4	84	-	-	2	-	-	-	
Salsburgh ...	21-9	275	9.7	3.3	6.5	-	25.0	-10.4	-	-	-	-	-	-	-	-	48	-	3	7	0	56	114	129	-	8	-	-	-	
Leadhills ...	9 9	387	9.7	2.6	6.1	-0.6	26.1	-13.3	-	-	1210	73	77	13 Dec	221	166	65	65	2	9	6	8	121	166	-	0	-	-	-	
Crawfordjohn ...	9 9	274	10.1	2.7	6.4	-	24.7	-13.7	7.8	-	806	-	29	13 Dec	212	142	67	30	0	5	7	2	122	147	137	14	3.38	-	-	
Lanark ...	9 9	152	11.4	-	-	-	26.1	-	-	-	649	-	19	8 May	171	127	29	24	0	0	4	6	-	-	-	3	3.59	-	S	
Carnwath ...	9 9	208	10.9	2.1	6.5	-0.8	25.6	(-18.9)	-	-	668	76	15	20 Jan	205	133	65	35	17	0	9	6	134	182	-	12	-	-	-	
Camps Reservoir	9 9	295	9.8	2.4	6.1	-	24.4	-15.6	-	-	994	85	41	13 Dec	226	160	51	35	0	0	6	24	133	-	-	19	-	-	S	
Ayr																														
Girvan ...	9 9	8	12.2	6.5	9.3	-	23.9	-7.2	-	-	799	-	22	14 Dec	182	152	10	2	2	2	0	0	38	92	-	17	4.08	-	-	-
Hunterston ...	9 9	8	11.9	6.3	9.1	-	24.4	-5.0	-	-	858	-	29	12 Jan	178	153	22	5	4	1	6	0	38	-	-	17	-	-	-	
Barr ...	9 9	122	-	-	-	-	-	-	-	-	1204	-	35	7 Nov	188	170	-	-	-	-	30	-	-	-	-	-	-	-	-	
Auchincruive ...	9 9	45	11.7	5.1	8.4	-0.5	24.4	-8.3	9.0	9.1	746	74	21	8 Aug	190	137	27	7	11	1	7	3	66	124	-	7	3.96	110	-	
Prestwick ...	21-9	16	11.9	5.2	8.5	-	25.2	-8.9	-	-	733	78	22	8 Aug	190	139	36	7	5	12	9	1	76	105	103	2	4.01	-	-	
Kilmarnock ...	9 9	34	12.2	4.8	8.5	-0.5	25.6	-9.4	9.6	-	819	78	23	8 Aug	185	145	21	12	2	0	3	1	75	122	-	2	3.75	104	S	
Dumfries																														
Dumfries ...	9 9	49	11.6	4.7	8.1	-0.7	25.6	-11.1	9.3	9.5	834	77	39	13 Dec	184	145	22	-	1	3	7	7	75	128	-	1	3.54	100	-	
Eskdalemuir ...	21-9	242	10.3	3.4	6.9	-0.3	26.5	-16.2	8.5	8.4	1138	72	45	13 Dec	209	153	81	36	9	15	8	13	116	147	133	10	3.25	98	-	
Kirkcudbright																														
Bargrennan ...	9 9	110	11.7	3.9	7.8	-	25.0	-11.1	-	-	1252	83	38	21 Nov	224	171	31	19	10	0	9	5	95	170	-	7	-	-	-	
Palnure ...	9 9	15	11.6	4.5	8.1	-	25.0	-11.7	-	-	1069	79	45	21 Nov	192	154	-	16	-	-	-	10	82	118	-	-	-	-	-	
Clatteringshaws	9 9	178	11.0	3.8	7.4	-	24.4	-12.2	-	-	1468	70	46	13 Dec	220	189	-	28	-	-	-	5	96	-	-	-	3.61	-	-	
Glenlee ...	9 9	55	12.1	3.7	7.9	-0.6	26.7	-15.6	-	-	1149	75	52	13 Dec	193	156	25	17	2	1	7	5	94	143	-	7	-	-	-	
Dundeugh ...	9 9	119	11.3	3.1	7.2	-	24.4	-15.6	8.3	-	1088	73	40	13 Dec	209	154	49	28	3	0	4	7	113	-	-	1	-	-	-	
St. Mary's Isle ...	9 9	12	12.3	4.9	8.6	-	26.1	-11.7	-	-	1003	-	39	13 Dec	173	142	-	2	-	-	0	67	89	-	-	-	-	-	-	
Glenlochar Barrage	9 9	47	11.9	4.2	8.1	-	26.1	-13.9	-	-	959	79	49	13 Dec	202	142	19	14	0	0	6	14	83	-	13	-	-	-	-	
Threave ...	9 9	73	11.7	4.3	8.0	-	26.1	-13.3	9.2	-	963	75	59	13 Dec	196	144	43	20	5	10	9	5	87	139	-	4	-	-	-	
Castle Douglas ...	9 9	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.93	-	S	
Wigtown																														
West Freugh ...	9 9	15	11.6	4.9	8.3	-	22.6	-10.4	-	-	816	80	30	22 July	201	145	-	-	-	-	-	76	-	-	-	-	4.13	-	-	
Penwhirn ...	9 9	166	-	4.1	-	-	-	-11.1	-	-	1196	77	40	22 July	218	171	26	9	12	5	13	13	89	-	-	5	3.97	-	-	
Mull of Galloway	21-9	78	10.9	6.7	8.8	-	22.0	-4.0	-	-	-	-	-	-	-	-	17	6	3	1	3	26	15	-	-	51	-	-	-	
Newton Stewart	9 9	26	12.0	-	-	-	24.4	-	-	-	900	-	28	13 Dec	209	150	25	6	1	1	7	2	-	-	-	1	-	-	-	
6b ISLE OF MAN																														
Ronaldsway ...	21-9	17	11.7	6.7	9.2	-	24.8	-7.4	-	-	792	91	30	9 Sept	174	126	32	8	1	26	5	6	42	75	59	10	4.21	-	-	
Douglas ...	9 9	87	(11.3)	(6.3)	(8.8)	(+0.6)	24.4	-6.1	-	-	1017	89	47	20 Jan	180	135	23	14	13	2	3	10	36	73	-	31	4.34	100	-	
Point of Ayre ...	21-9	9	12.0	6.8	9.4	-	25.6	-3.1	-	-	774	99	26	13 Dec	166	130	23	6	6	0	4	7	22	-	-	48	4.29	-	-	
2 ENGLAND, N.E.																														
Northumberland																														
Kielder Castle ...	9 9	201	10.6	2.8	6.7	-	27.2	-16.7	8.2	-	997	82	25	11 Nov	218	157	-	62	-	-	-	77	130	155	-	-	-	-	-	
Haydon Bridge ...	9 9	79	1																											



DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS						MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE					
			Means of		Daily Mean (mean of A & B)	Difference from 1931-60 average	Highest Maximum & Lowest Minimum		30 cm.	122 cm.	Total fall (mm)	Percentage of 1916-50 average	Most in a Day		Precipitation		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost †	Grass min. below 0 °C	Concrete min. below 0 °C	Gale	Daily mean (hr.)	Percentage of 1931-60 average	Exposure	
			Max. (A)	Min. (B)			Maximum	Minimum					Amount (mm)	Date	0.2mm or more	1.0 mm or more														
2 ENGLAND, N.E. — contd.																														
Lincoln																														
Waddington ...	21-9	68	12.1	5.7	8.9	-0.5	31.6	-8.1	-	-	725	-	54	16 Nov	168	123	57	26	4	16	15	29	68	92	89	1	3.98	97	-	
Lincoln ...	9 9	7	12.6	5.0	8.8	-0.5	31.1	-10.0	9.7	9.7	756	125	54	16 Nov	191	129	21	25	0	0	2	18	65	121	-	0	3.83	-	5	
Cranwell ...	9 9	62	12.4	5.1	8.7	-0.7	31.3	-9.3	9.8	9.9	686	115	33	16 Nov	164	112	38	24	1	9	15	26	86	102	83	0	3.89	95	-	
Brigg ...	9 9	3	12.7	5.1	8.9	-	30.6	-8.3	-	-	817	-	56	28 July	196	130	32	27	5	0	15	29	65	127	-	1	-	-	-	
Cleethorpes ...	9 9	7	-	(6.4)	-	-	-	-6.1	-	-	735	124	24	3 Nov	173	132	-	-	-	-	22	23	67	-	-	-	3.69	90	-	
Manby ...	21-9	17	12.3	5.6	8.9	-	31.6	-7.6	10.1	-	706	121	34	16 Nov	185	131	48	27	4	27	17	24	54	110	77	1	4.03	-	-	
Skegness ...	9 9	5	12.1	6.2	9.1	-0.4	31.1	-6.7	-	-	657	116	29	16 Nov	142	117	-	-	-	-	12	44	-	-	-	-	-	4.07	97	-
3 ENGLAND, E.																														
Norfolk																														
Terrington St. Cl. ...	9 9	4	12.9	5.5	9.2	-0.4	31.7	-8.3	9.9	-	548	106	22	16 Nov	151	110	23	26	0	0	8	15	61	120	-	0	3.85	93	-	
Santon Downham ...	9 9	24	13.5	4.0	8.7	-	31.7	-11.7	9.8	9.9	697	105	27	5 May	180	117	-	-	-	-	-	-	99	170	-	-	3.50	-	-	
East Dereham ...	9 9	53	(13.3)	(5.5)	(9.4)	-	32.1	-8.1	-	-	736	-	30	5 Dec	182	125	47	48	6	13	20	67	53	92	-	4	-	-	-	
Morley St. Botolph ...	9 9	48	12.7	5.3	9.0	-	30.0	-10.0	9.5	-	622	-	20	6 July	150	110	32	-	4	3	11	-	61	99	-	-	3.85	-	-	
Coltishall ...	21-9	17	12.7	6.0	9.3	-	30.3	-7.6	-	-	727	-	31	6 July	173	115	55	28	0	23	18	25	61	104	-	1	-	-	-	
Burlingham ...	9 9	27	12.9	(5.9)	(9.4)	-	30.0	-6.7	-	-	624	99	28	6 July	156	112	42	28	9	8	10	12	57	-	-	0	4.36	-	-	
Gorleston ...	21-9	4	11.9	7.3	9.6	-0.3	25.6	-5.6	10.9	10.7	632	104	26	28 July	159	116	36	17	5	4	16	27	25	70	48	7	4.25	97	-	
Suffolk																														
Broom's Barn ...	9 9	75	12.9	5.7	9.3	-	30.6	-9.4	9.9	10.2	577	-	30	5 May	166	114	24	28	7	7	13	18	60	84	-	0	4.05	-	-	
East Bergholt ...	9 9	4	(13.8)	(5.1)	(9.5)	-	30.7	-8.3	-	-	592	99	38	6 July	153	100	-	-	-	-	-	-	55	-	-	-	-	-	-	-
Wattisham ...	21-0	89	12.7	5.6	9.1	-	29.8	-8.6	-	-	592	-	35	6 July	169	99	51	28	2	20	10	29	73	110	81	1	4.37	-	-	
Lowestoft ...	9 9	25	12.5	6.4	9.5	-0.2	25.6	-6.7	10.4	10.3	627	105	34	6 July	154	115	35	26	8	5	14	15	38	77	-	4	4.36	98	5	
Cambridge																														
Boxworth ...	9 9	44	13.2	5.3	9.3	-	31.1	-9.4	-	-	569	105	31	5 May	147	99	22	17	3	1	5	19	65	122	-	0	4.06	-	-	
Mepal ...	9 9	1	13.5	4.9	9.2	-	31.7	-9.4	10.3	10.3	472	-	31	5 May	156	101	20	23	1	0	8	20	73	106	-	0	4.22	-	-	
Cambridge B.G. ...	9 9	12	13.5	5.9	9.7	-0.2	31.7	-11.7	10.4	10.6	539	98	29	5 May	133	98	18	21	2	1	1	8	49	89	-	0	-	-	-	
Cambridge N.I.A.B. ...	9 9	26	13.5	5.7	9.6	-0.3	31.7	-8.9	-	-	531	97	27	5 May	143	98	24	22	3	0	0	21	52	115	-	0	3.96	97	-	
Huntingdon																														
Monkswood ...	9 9	31	13.2	5.3	9.3	-	31.1	-9.4	(9.9)	10.0	561	-	27	5 May	151	111	-	-	-	-	31	64	116	-	-	-	3.93	-	-	
Wyton ...	21-0	39	13.2	6.1	9.7	-	32.3	-10.5	-	-	518	95	25	5 May	148	97	42	18	4	11	15	26	67	97	81	0	-	-	-	
Bedford																														
Woburn ...	9 9	89	13.2	5.3	9.3	0.0	30.6	-12.2	9.9	10.1	559	90	24	2 Aug	159	117	31	16	5	3	12	16	66	110	-	0	3.78	93	-	
Luton ...	9 9	159	(12.8)	(5.6)	(9.2)	-	31.1	-9.0	(10.3)	(10.3)	523	-	17	6 July	141	120	-	21	-	-	-	-	71	-	-	-	-	(3.89)	-	-
Silsoe ...	9 9	59	13.2	5.4	9.3	-	31.1	-9.4	10.0	10.0	463	81	24	5 May	160	102	30	13	5	6	11	27	62	130	-	0	4.92	-	-	
Cardington ...	21-9	28	13.4	5.3	9.3	-0.3	31.6	-9.8	10.1	10.3	555	106	26	5 May	150	105	45	11	6	9	17	18	78	113	84	0	3.90	-	-	
Hertford																														
St. Albans ...	9 9	83	13.3	5.6	9.5	0.0	31.1	-8.3	10.3	-	498	78	25	14 Nov	155	106	19	12	3	0	4	29	63	104	-	2	4.14	-	-	
Aldenham School ...	9 9	91	13.8	5.4	9.6	-	31.1	-8.9	10.4	-	578	-	32	2 Aug	164	110	24	20	0	0	7	9	73	114	-	4	-	-	-	
Garston ...	9 9	78	13.6	5.7	9.7	-	30.9	-8.0	-	-	523	76	28	14 Nov	161	100	38	13	1	5	14	22	59	116	-	0	4.11	-	-	
Rothamsted ...	9 9	128	12.8	5.2	9.0	-0.2	30.0	-10.0	9.7	9.8	602	83	26	14 Nov	179	119	30	21	5	16	11	24	80	111	-	1	3.75	92	-	
Letchworth ...	9 9	64	13.5	5.8	9.7	-	32.8	-10.0	-	-	509	89	24	5 May	155	118	-	-	-	-	-	-	52	79	-	-	-	-	-	
Stanstead Abbots ...	9 9	30	-	(4.9)	-	-	31.7	-9.4	(11.2)	(11.5)	(593)	-	41	29 Jul	147	107	-	13	-	-	-	-	66	127	-	-	-	-	-	
Hoddesdon ...	9 9	47	14.0	5.9	9.9	-	31.7	-8.3	11.0	-	569	-	32	2 Aug	146	105	20	16	2	4	8	-	58	96	-	0	4.04	-	-	
Eastwick Lodge ...	9 9	42	13.7	6.0	9.9	-	31.7	-8.3	-	-	538	-	44	2 Aug	166	110	-	-	-	-	-	-	55	-	-	-	-	-	-	
Essex																														
Harlow ...	9 9	79	13.6	5.7	9.7	-	30.6	-8.9	-	10.8	548	-	41	29 July	158	120	29	13	2	1	8	25	68	-	-	0	3.89	</		



Table III (continued)

DISTRICT, COUNTY AND PLACE	Max. Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS						MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE		
			Means of		Daily Mean (mean of A & B)	Difference from 1931-50 average	Highest Maximum & Lowest Minimum		30 cm.	122 cm.	Total fall (mm)	Percentage of 1916-50 average	Most in a Day		Precipitation		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost †	Grass min. below 0° C	Concrete min. below 0° C	Gale	Daily mean (hr.)	Percentage of 1931-50 average	Exposure
			Max. (A)	Min. (B)			Maximum	Minimum					Amount (mm)	Date	0.2 mm or more	1.0 mm or more													
4 MIDLAND COUNTIES — contd.																													
Leicester																													
Newtown Linford	9 9	119	12.4	4.9	8.7	-	30.6	-10.0	-	-	721	105	37	28 July	178	125	25	19	0	8	16	20	69	118	-	0	3.41	-	-
Caldecott ...	9 9	53	13.3	4.5	8.9	-	31.1	-13.9	-	-	598	104	31	16 Nov	149	109	-	11	-	-	-	50	90	125	-	-	3.45	-	-
Northampton																													
Bugbrooke Mills	9 9	69	(13.1)	(4.8)	(8.9)	-	30.0	-11.7	9.8	9.8	642	107	57	2 Aug	165	108	-	16	-	-	-	18	68	-	-	-	(3.79)	-	-
Raunds * § €	9 9	59	13.2	5.2	9.2	-0.3	31.7	-10.6	10.3	10.3	576	99	26	5 May	180	110	-	15	-	-	-	28	68	104	-	-	3.69	99	-
Wittering ...	9 9	65	12.8	5.8	9.3	-0.3	32.5	-10.4	-	-	678	116	38	28 July	162	107	55	20	5	20	16	29	64	120	89	1	3.98	-	-
Warwick																													
Birmingham K.E.S.*	9 9	137	(12.3)	(5.8)	(9.1)	-	27.8	-9.4	-	-	788	103	35	12 Mar	172	135	33	18	-	6	12	17	60	-	-	1	-	-	-
Edgbaston ...	21-9	163	12.2	6.4	9.3	-0.3	29.1	-7.8	9.0	9.6	827	106	38	12 Mar	191	131	50	25	10	11	21	28	59	95	84	0	(3.66)	(103)	-
Luddington ...	9 9	56	13.5	(5.5)	(9.5)	-	31.1	-9.4	-	-	655	-	44	28 July	160	109	18	6	2	8	10	61	71	133	-	0	4.03	-	-
Stratford ...	9 9	49	(13.5)	(4.8)	(9.1)	-	31.1	-11.1	10.7	-	677	111	47	2 Aug	168	106	21	13	2	7	11	13	78	141	-	0	3.65	-	-
Elmdon ...	21-9	99	12.7	5.4	9.1	-	30.3	-10.1	-	-	647	-	35	2 Aug	167	106	57	17	13	21	18	22	73	110	95	1	3.83	-	-
Shipston-on-Stour	9 9	111	12.9	5.4	9.1	-	30.6	-8.3	9.7	-	639	95	39	28 Aug	188	112	33	14	2	4	15	22	67	121	-	2	3.90	-	-
Wellesbourne ...	9 9	47	(13.1)	(5.3)	(9.2)	-	31.7	-7.8	-	-	624	98	57	2 Aug	145	107	-	-	-	-	-	67	-	-	-	-	-	-	-
Coventry ...	9 9	107	-	-	-	-	29.4	-	-	-	-	-	-	-	-	-	8	-	0	0	2	-	-	-	-	0	-	-	-
Moreton Morrell	9 9	85	-	-	-	-	-	-	-	-	641	100	56	2 Aug	162	114	-	-	-	-	-	-	-	-	-	-	(3.93)	-	5
Rugby ...	9 9	117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oxford																													
Brize Norton ...	21-9	84	13.6	5.9	9.7	-	31.1	-7.7	-	-	609	-	60	2 Aug	155	104	40	7	4	14	18	22	72	116	-	1	-	-	-
Oxford * § €	9 9	63	13.6	6.4	10.0	-0.1	31.1	-6.1	10.6	10.7	608	93	43	2 Aug	174	112	28	16	2	4	18	19	49	108	-	0	4.33	105	-
Shirburn M.F. **	9 9	108	13.3	5.4	9.3	-	30.6	-8.9	-	-	558	-	32	2 Aug	175	109	28	11	5	2	16	21	65	120	-	2	-	-	-
Buckingham																													
Medmenham ...	9 9	30	14.0	4.4	9.2	-	30.6	-8.9	-	-	548	-	40	2 Aug	164	101	-	-	-	-	-	85	136	-	-	-	-	-	-
Grendon Underwood	9 9	67	(13.4)	4.4	(8.9)	-	30.6	-9.4	10.1	10.4	537	-	31	16 May	159	106	17	11	1	1	3	-	80	140	-	0	3.96	-	-
Aylesbury ...	9 9	96	-	(5.3)	-	-	30.0	-9.4	-	-	520	79	33	2 Aug	138	109	-	14	-	-	-	54	78	118	-	-	3.78	-	5
Stafford																													
Keele ...	9 9	179	11.5	5.1	8.3	-	27.2	-10.0	9.0	9.1	875	109	34	5 May	184	136	39	29	3	10	15	22	81	135	-	0	3.53	-	-
Oaken ...	9 9	125	-	-	-	-	-	-11.7	-	-	801	-	58	24 May	180	140	-	-	-	-	-	-	-	-	-	-	-	-	-
Stone ...	9 9	107	(12.0)	(4.5)	(8.3)	-	28.3	-15.6	-	-	538	73	29	5 May	175	128	-	-	-	-	-	49	85	-	-	-	(3.50)	-	-
Penkridge ...	9 9	101	(12.4)	(4.9)	(8.7)	-	28.9	-9.4	-	-	629	90	30	5 May	175	127	-	17	-	-	-	17	81	131	-	-	-	-	-
Shropshire																													
Oswestry ...	9 9	174	(11.9)	-	-	-	26.7	-7.2	-	-	982	108	43	12 Mar	-	-	-	36	-	-	-	20	69	121	-	-	(3.74)	-	5
Church Stretton	-	177	-	-	-	-	-	-	-	-	898	100	32	12 Mar	195	143	-	-	-	-	-	-	-	-	-	-	-	3.64	-
Shrewsbury ...	9 9	56	(12.8)	(5.8)	(9.3)	(-0.4)	28.3	-11.1	10.5	10.8	674	108	37	12 Mar	169	114	22	16	6	0	11	20	63	115	-	3	3.65	98	-
Shawbury ...	21-9	72	12.6	5.4	9.0	-0.4	28.5	-12.9	-	-	716	108	27	5 May	173	110	40	21	4	22	15	15	75	123	103	1	3.71	-	-
Clee Hill ...	21-9	504	-	(4.0)	-	-	24.1	-10.0	-	-	979	-	37	11 Nov	195	137	45	-	3	9	9	-	108	-	-	8	-	-	-
Newport ...	9 9	64	12.7	4.9	8.8	-0.2	28.9	-16.7	-	-	741	112	43	24 May	182	118	38	24	3	2	16	13	74	123	-	3	(3.42)	(93)	5
Worcester																													
Malvern ...	9 9	62	(13.4)	(6.4)	(9.9)	-	28.9	-5.6	10.3	10.2	789	105	33	28 July	177	121	29	-	3	1	12	40	52	92	-	0	3.82	93	5
Worcester ...	9 9	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pershore Coll. of Hort.	9 9	40	(13.7)	(6.1)	(9.9)	-	29.4	-8.3	-	-	695	107	50	28 July	179	111	23	12	5	2	6	14	58	117	-	6	(4.15)	-	-
Ipsley Swge. Wks.	9 9	73	(13.1)	(5.4)	(9.3)	-	31.1	-8.3	9.9	10.1	689	-	32	12 Mar	156	121	-	18	-	-	-	29	65	137	-	-	3.68	-	-
Hereford																													
Lyonshall ...	9 9	155	12.7	5.5	9.1	-0.1	27.2	-7.2	-	-	867	104	45	25 May	171	134	-	-	-	-	-	75	143	-	-	-	-	-	5
Ross-on-Wye * § €	21-9	68	13.2	6.2	9.7	-0.3	28.4	-6.9	10.5	10.8	659	93	42	25 May	162	109	20	13	3	3	13	16	59	111	-	0	4.04	101	-
Preston Wynne ...	9 9	84	(12.9)	(4.8)	(8.9)	-	28.3	-9.4	-	-	719	112	31	28 July	163	112	20	14	1	5	5	15	75	142	-	1	(4.09)	-	-
Gloucester																													
Filton ...	21-9	59	13.3	6.7	10.0	-0.1	28.5	-6.5	-	-	695	88	68	28 July	160	109	27	9	6	3	13	15	50	85	69	0	4.12	-	-



Table III (continued)

DISTRICT, COUNTY AND PLACE	Min. Max.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS						MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE			
				Means of		Daily Mean (mean of A & B)	Difference from 1931-60 average	Highest Maximum & Lowest Minimum		30 cm.	122 cm.	Total fall (mm)	Percentage of 1916-50 average	Most in a Day		Precipitation 0.2 mm or more 1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost 1	Grass min. below 0° C	Concrete min. below 0° C	Gale	Daily mean (hr.)	Percentage of 1931-60 average	Exposure
				Max. (A)	Min. (B)			Maximum	Minimum					Amount (mm)	Date														
5. ENGLAND, S.E. — contd.																													
Kent																													
Dartford ...	9 9	5	14.4	6.2	10.3	-	31.7	-6.7	-	-	-	42	6 July	-	-	25	13	2	5	9	14	52	-	-	0	-	-	-	
Hadlow College ...	9 9	27	14.0	(5.1)	(9.5)	-	30.0	-7.2	10.5	10.3	629	-	49	6 July	150	107	24	11	2	9	10	25	74	107	-	0	-	-	
Gillingham ...	9 9	4	14.0	(6.6)	(10.3)	-	30.6	-7.2	-	-	572	92	54	6 July	141	93	-	-	-	-	-	55	-	-	-	-	-	-	
Isle of Grain ...	9 9	3	(14.0)	(8.1)	(11.1)	-	30.6	-6.1	-	-	508	-	51	6 July	131	98	17	12	1	0	4	16	22	52	-	0	4.17	-	
Dungeness ...	21-9	3	13.1	(7.3)	(10.2)	0.0	25.2	-9.0	-	-	809	127	66	28 July	149	121	24	8	3	2	23	9	40	-	19	-	-	-	
Whistable ...	9 9	3	13.5	7.1	10.3	-	30.6	-7.2	-	-	665	121	44	6 July	157	108	21	9	5	0	24	8	45	-	18	(4.48)	-		
Folkstone ...	9 9	39	13.1	(7.5)	(10.3)	-	27.2	-6.7	-	-	849	127	63	28 July	160	123	28	17	6	5	27	10	32	-	22	(4.90)	-		
Elmstone ...	9 9	9	13.4	5.8	9.6	-	30.6	-6.7	-	-	719	-	58	15 Aug	155	108	-	-	-	-	13	61	-	-	-	-	-	-	
Herne Bay ...	9 9	6	13.6	7.7	10.7	-	32.2	-5.0	-	-	671	116	53	28 July	150	109	21	8	1	4	20	8	25	-	3	4.36	-		
Dover ...	9 9	6	-	-	-	-	-	-	11.5	11.6	933	127	63	28 July	169	123	-	-	-	-	-	-	-	-	-	-	-	-	
Deal ...	21-9	5	12.8	7.7	10.3	-	29.6	-6.2	-	-	812	-	64	28 July	158	116	25	17	2	2	20	17	33	57	46	3	-	-	
Manston ...	21-9	44	13.0	7.1	10.1	-	29.4	-6.2	-	-	805	143	68	14 Aug	156	114	40	14	10	13	30	16	45	57	-	1	-	-	
Ramsgate ...	9 9	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Margate ...	9 9	16	13.0	8.2	10.6	-0.1	30.0	-4.4	-	11.2	710	131	53	28 July	148	108	16	10	2	3	20	13	20	-	5	-	-	S	
Goudhurst ...	9 9	85	13.4	5.3	9.3	-	29.4	-10.6	-	-	806	97	56	6 July	170	120	22	17	2	7	10	10	79	127	-	1	-	-	
East Malling ...	9 9	37	13.8	5.6	9.7	0.0	30.0	-8.3	10.4	10.7	626	92	47	6 July	164	112	22	17	1	2	14	16	58	96	-	1	4.16	97	
Faversham ...	9 9	48	13.3	5.9	9.6	-	30.0	-9.4	10.9	10.9	718	-	59	6 July	150	121	33	16	6	1	12	20	58	97	-	0	4.20	-	
Wye ...	9 9	56	13.6	5.7	9.7	-0.1	29.6	-9.4	10.5	10.5	747	97	45	28 July	163	122	24	18	2	0	14	36	65	98	-	0	4.30	94	
Sussex																													
Thorney Island ...	21-9	3	13.8	6.9	10.3	-	26.7	-5.4	-	-	664	97	28	6 July	141	103	24	5	2	11	24	8	54	98	69	3	4.61	-	
Bognor Regis ...	9 9	7	13.3	7.2	10.3	-0.1	26.7	-6.1	-	11.6	662	91	33	6 July	145	98	12	5	7	0	9	7	42	81	-	3	5.06	105	
Fernhurst ...	9 9	57	13.9	5.1	9.5	-	29.3	-8.9	10.5	-	765	86	44	6 July	167	105	23	-	4	6	9	-	74	112	-	0	4.24	-	
Littlehampton ...	9 9	5	(13.7)	6.9	(10.3)	(-0.1)	27.8	-6.1	-	11.5	673	94	35	6 July	150	105	15	5	4	0	6	7	47	-	0	4.87	100	-	
North Heath ...	9 9	21	-	(5.4)	-	-	30.6	-8.3	11.0	11.2	659	-	46	6 July	128	100	-	10	-	-	-	28	70	139	-	-	4.07	-	
Worthing ...	9 9	8	13.6	7.5	10.5	-0.1	26.7	-5.6	11.0	-	673	96	43	6 July	137	100	17	5	1	4	11	2	37	77	-	8	4.94	99	
Brighton ...	9 9	10	(13.6)	7.7	(10.7)	-	27.2	-5.6	-	11.8	718	104	38	6 July	126	109	17	8	5	5	15	3	36	-	19	(4.69)	(97)	-	
Plumpton ...	9 9	76	(13.4)	(6.3)	(9.9)	-	28.9	-7.8	-	-	933	-	53	6 July	152	122	-	11	-	-	-	35	50	85	-	-	4.33	-	
Wakehurst Place ...	9 9	133	(13.1)	(5.9)	(9.5)	-	28.3	-6.7	-	-	772	-	50	6 July	161	104	-	16	-	-	-	11	64	103	-	-	-	-	
East Hoathly ...	21-9	40	13.7	(5.4)	(9.5)	-	28.8	-8.5	-	-	711	-	26	2 Aug	153	105	22	11	3	11	18	19	76	103	-	0	4.67	-	
Eastbourne ...	9 9	7	13.4	(7.7)	(10.5)	(-0.1)	26.1	-5.6	11.6	12.1	765	97	43	6 July	150	107	13	-	6	0	9	6	36	78	-	-	(5.13)	103	
Eastbourne C.G. ...	21-9	3	13.5	(6.8)	(10.1)	-	26.3	-7.0	-	-	734	94	44	6 July	136	101	13	7	1	2	9	3	50	67	60	29	-	-	
Bexhill ...	9 9	4	13.3	7.4	10.3	-0.1	26.1	-7.2	11.6	-	734	102	36	6 July	145	117	17	10	0	1	7	12	42	77	-	6	4.59	97	
Bodiam ...	9 9	22	14.1	5.5	9.8	-	30.0	-10.6	11.0	11.1	785	98	46	6 July	163	116	22	11	3	5	19	23	68	117	-	14	3.97	-	
Hastings ...	9 9	45	13.3	7.5	10.4	-0.1	27.2	-6.7	11.4	-	732	101	39	6 July	154	106	19	12	1	11	22	6	36	74	-	9	4.51	93	
Berkshire																													
Letcombe Regis ...	9 9	107	(13.5)	-	-	-	30.0	-7.2	-	-	690	-	33	30 May	164	119	-	17	-	-	-	25	62	-	-	-	-	-	
Abingdon ...	21-9	69	13.5	5.8	9.7	-0.2	30.7	-7.6	-	-	605	99	34	2 Aug	171	106	44	8	11	9	16	25	71	105	96	0	4.31	-	
Wallingford ...	9 9	48	13.7	5.2	9.5	-	30.0	-7.8	10.6	10.6	519	-	43	2 Aug	154	109	23	7	1	4	15	-	66	134	-	0	4.11	-	
Shinfield ...	9 9	61	(14.0)	(5.8)	(9.9)	(-0.1)	30.0	-7.2	-	-	541	83	30	2 Aug	155	104	-	8	-	-	-	55	108	-	-	-	-	S	
Reading ...	9 9	69	13.9	5.7	9.8	-	30.6	-6.7	10.2	10.2	553	-	28	2 Aug	172	111	36	9	3	15	20	32	62	133	-	2	4.24	-	
Hurley ...	9 9	43	13.8	5.5	9.7	-	31.1	-6.7	10.4	-	561	84	49	2 Aug	175	106	24	12	2	3	8	44	65	103	-	0	3.97	-	
Bracknell ...	9 9	74	13.8	6.1	10.0	-	30.2	-7.5	10.6	10.7	596	-	35	2 Aug	155	99	32	8	5	16	14	27	58	86	-	0	4.01	-	
Hampshire																													
Bournemouth ...	9 9	40	13.7	(6.8)	(10.3)	(-0.2)	26.7	-5.4	10.9	11.0	741	93	31	14 Nov	147	113	15	8	5	1	7	16	38	89	-	1	4.90	104	
Hurn ...	21-9	10	14.0	5.9	9.9	-	27.0	-7.7	-	-	816	105	36	14 Nov	151	108	20	8	5	10	14	14	64	106	84	0	4.44	-	
Christchurch ...	9 9	3	14.1	6.3	10.2	-	27.2	-6.1	-	-	790	102	29	8 Aug	151	112	11	5	3	2	10	10	50	104	-	2	-	-	
Everton ...	9 9	16	14.0	6.6	10.3	-	27.2	-5.0	-	-	763	104	27	16 Sept	146	111	15	2	5	3	16	11	46	105	-	2	4.81	-	
Southampton ...	9 9	20	14.9	7.0	10.9	+0.2	28.1	-5.3	11.6	12.1	766	95	31	14 Nov	156	108	28	1	8	0	11	11	36	114	-	0	4.63	104	
Leckford ...	9 9	117	(13.5)	(5.3)	(9.4)	-	29.4	-7.8	9.8	-	709	88	25	6 July	160	122	-	8	-	-	-	20	(54)	-	-	-	4.05	94	
Martyr Worthly ...	9 9	84	(13.8)	(5.1)	(9.5)	-	28.9	-8.3	-	-	782	102	27	6 July	150	121	24	7	1	3	4	22	65	129	-	13	4.40	-	
Southsea ...	9 9	2	(13.9)	(8.2)	(11.1)	(0.0)	28.3	-5.0	(11.7)	(12.0)	706	100	36	6 July	138	112	13	4	0	2	4	9	20	-	-	1	4.67	98	
Hayling Island ...	9 9	4	13.6	(7.4)	(10.5)	-	27.8	-5.0	-	-	664	-	33	6 July	146	99	14	3	6	0	13	5	35	-	-	4	-	-	
Long Sutton ...	9 9	156	(13.1)	(5.2)	(9.1)	(-0.5)	28.3	-7.8	-	-	729	92	33	2 Aug	161	124	29	12	5	5	10	36	69	138	-	3	4.06	97	



Table III (continued)

DISTRICT, COUNTY AND PLACE	Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS						MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE					
				Means of		Daily Mean (mean of A & B)	Difference from 1931-60 average	Highest Maximum & Lowest Minimum				Total fall (mm)	Percentage of 1916-50 average	Most in a Day		Precipitation 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost t	Grass min. below 0° C	Concrete min. below 0° C	Gale	Daily mean (hr.)	Percentage of 1931-60 average	Exposure	
				Max. (A)	Min. (B)			Maximum	Minimum	30 cm.	122 cm.			Amount (mm)	Date																
7a ENGLAND, N.W. — contd.																															
Lancashire																															
Squires Gate ...	21-9	10	12.1	6.1	9.1	-0.5	28.5	-13.2	-	-	810	95	36	3 Nov	183	125	38	16	1	13	13	17	60	93	81	7	3.97	95	-	-	-
Aigburth ...	9 9	14	12.6	6.9	9.7	-	28.0	-8.9	10.8	11.5	823	-	37	3 Nov	185	144	21	18	1	7	10	17	39	81	-	1	3.92	-	-	-	
Southport ...	9 9	5	12.2	5.7	8.9	-	27.2	-16.1	9.5	10.1	860	102	38	3 Nov	206	139	-	12	-	-	-	30	67	98	-	-	4.12	-	-	-	
Poulton-le-Fylde ...	9 9	12	-	-	-	-	29.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Grizedale ...	9 9	91	(11.9)	(3.8)	(7.9)	-	27.2	-13.9	8.9	-	1486	-	81	20 Jan	231	162	-	43	-	-	-	-	101	-	-	-	-	-	-	-	5
Speke ...	21-9	22	12.7	6.4	9.5	-0.3	28.3	-9.8	-	-	846	109	37	3 Nov	194	144	44	19	16	11	17	17	55	87	88	2	3.73	-	-	-	
Kirkham ...	9 9	24	(12.1)	(5.3)	8.7	-	28.3	-15.0	-	-	894	93	36	3 Nov	174	134	-	18	-	-	-	14	74	113	-	0	4.02	-	-	5	
Bailrigg ...	9 9	50	11.9	(5.5)	(8.7)	-	27.6	-10.1	-	-	895	-	36	2 June	178	143	-	-	-	-	-	69	125	-	-	-	3.66	-	-	-	
Morecambe ...	9 9	7	(12.1)	(6.6)	(9.3)	(-0.4)	27.8	-7.2	-	-	855	88	32	3 Nov	177	151	12	9	2	3	1	5	43	-	1	3.84	95	-	-	-	
Preston ...	9 9	33	12.3	5.7	9.0	-	28.9	-13.3	-	-	915	91	40	2 June	189	140	30	13	1	11	14	38	64	96	-	4	-	-	-	-	
Bolton ...	9 9	107	(11.9)	5.2	(8.5)	-	27.8	-9.4	8.9	-	1154	-	37	2 June	189	153	-	24	-	-	-	19	83	119	-	-	3.67	-	-	-	
Stonyhurst * §	9 9	115	(11.8)	(5.1)	(8.5)	(-0.5)	27.8	-11.7	-	-	1071	88	43	20 Jan	192	146	-	22	-	-	-	20	75	-	-	-	3.51	97	-	-	-
Manchester, W. Centre	9 9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.45	-	-	-	
Helmshore ...	9 9	260	10.6	(4.8)	(7.7)	-	26.1	-7.8	8.5	-	1294	84	47	20 Jan	203	159	-	42	-	-	-	-	87	145	-	-	3.43	-	-	5	
Burnley ...	9 9	200	10.9	(4.5)	(7.7)	-	27.2	-13.3	8.5	8.6	967	-	34	2 June	191	156	25	25	0	0	1	-	91	144	-	0	-	-	-	-	-
Rochdale ...	9 9	110	11.8	(4.8)	(8.3)	-	27.8	-12.2	-	-	1067	93	38	20 Jan	202	155	31	18	11	0	14	27	75	127	-	9	-	-	-	5	
Cheshire																															
West Kirby Park	9 9	8	13.0	(6.4)	(9.7)	-	28.9	-11.7	-	-	780	-	46	3 Nov	189	136	-	-	-	-	-	-	56	90	-	-	4.06	-	-	-	-
Bidston * §	9 9	60	11.9	6.8	9.3	-0.3	27.3	-6.1	-	-	781	106	44	24 May	182	139	-	-	-	-	-	16	36	-	-	-	3.87	99	-	-	-
Ness Gardens ...	9 9	55	12.7	(6.1)	(9.4)	-	28.3	-10.0	-	-	820	-	42	3 Nov	184	132	19	21	5	4	14	17	44	102	-	6	3.43	-	-	-	
Winnington ...	9 9	20	(13.3)	(6.1)	(9.7)	-	28.9	-13.9	-	-	847	110	27	3 Nov	176	138	19	16	2	4	8	26	46	90	-	0	-	-	-	-	
Knutsford ...	9 9	65	12.7	(5.3)	(9.0)	-	28.9	-14.5	9.7	10.2	950	113	32	25 May	188	146	-	17	-	-	-	-	72	117	-	-	-	-	-	-	
Ringway * §	21-9	76	12.3	6.2	9.3	-0.1	28.0	-13.1	-	-	830	103	27	20 Jan	176	135	52	16	3	3	18	15	56	84	-	87	0	3.79	110	-	-
Macclesfield ...	9 9	152	(11.9)	5.5	(8.7)	(-0.3)	28.3	-12.8	-	-	913	99	35	3 Nov	187	144	50	27	4	3	15	15	67	-	-	3	-	-	-	-	-
7b NORTH WALES																															
Flint																															
Rhyl ...	9 9	9	(12.6)	(6.7)	(9.7)	(-0.4)	29.4	-10.0	-	-	725	107	45	3 Nov	180	117	20	8	1	10	5	3	40	74	-	5	4.03	99	-	-	-
Prestatyn ...	9 9	4	12.7	(6.7)	(9.7)	-	28.9	-11.1	-	-	756	104	48	3 Nov	177	126	17	11	12	0	6	2	35	-	-	1	-	-	-	5	-
Hawarden Bridge	9 9	5	(13.3)	(6.1)	(9.7)	(-0.3)	28.3	-9.4	-	-	828	119	43	3 Nov	183	140	21	-	0	4	7	21	60	-	-	0	-	-	-	-	-
Anglesey																															
Valley * §	21-9	10	12.5	7.1	9.8	-0.4	27.6	-7.7	-	-	857	100	39	13 Dec	186	133	27	12	21	1	5	8	35	71	60	24	4.29	98	-	-	-
Denbigh																															
Colwyn Bay ...	9 9	36	12.4	6.9	9.7	-0.6	28.3	-8.3	-	-	802	107	55	4 Nov	176	130	18	11	0	5	4	0	27	-	-	6	4.12	101	5	-	-
Alwen ...	9 9	335	10.4	2.9	6.7	-	26.1	-16.7	-	-	1235	98	39	3 Nov	208	169	-	-	-	-	-	-	132	161	-	-	-	-	-	-	-
Ruthin ...	9 9	76	12.6	5.2	8.9	-	27.8	-15.0	-	-	801	-	48	3 Nov	178	125	-	18	-	-	-	3	83	-	-	-	3.53	-	-	-	-
Loggerheads €	9 9	210	11.5	4.6	8.1	-	26.8	-16.8	8.5	9.0	1025	-	50	3 Nov	203	151	39	40	5	10	14	30	89	112	-	2	(8.36)	-	-	5	-
Bwlchgwyn ...	9 9	386	10.2	4.0	7.1	-	25.6	-11.1	7.7	-	1231	113	43	3 Nov	220	167	-	59	-	-	-	48	102	130	-	-	-	-	-	-	-
Wrexham ...	9 9	88	-	-	-	-	29.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caernarvon																															
Bardsey Island	21-9	18	-	8.5	-	-	25.6	-1.5	-	-	892	-	29	13 Dec	169	129	-	6	-	-	-	20	20	31	-	-	-	-	-	-	-
Botwnnog €	9 9	34	12.5	6.1	9.3	-	27.8	-6.7	11.1	10.9	1012	-	37	16 Nov	189	140	20	13	5	4	5	10	41	87	-	4	4.38	-	-	-	-
Pen-y-Ffridd ...	9 9	84	12.8	6.3	9.5	-	27.8	-6.7	-	-	1044	87	37	3 Nov	197	163	21	-	3	16	1	3	42	-	-	2	3.98	-	-	-	-
Aber ...	9 9	18	12.9	6.8	9.9	-0.5	27.2	-5.6	-	-	958	91	32	11 Nov	206	153	21	11	20	0	5	1	30	-	-	1	3.40	90	5	-	-
Merioneth																															
Trawsfynydd ...	9 9	186																													



Table III (continued)

DISTRICT, COUNTY AND PLACE	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS						MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
			Means of		Daily Mean (mean of A & B)	Difference from 1931-60 average	Highest Maximum & Lowest Minimum				Total fall (mm)	Percentage of 1916-50 average	Most in a Day		Precipitation		Snow or Sleet	Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost †	Grass min. below 0° C	Concrete min. below 0° C	Gale	Daily mean (hr.)	Percentage of 1931-60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
			Max. (A)	Min. (B)			Maximum	Minimum	Amount (mm)	Date			0.2 mm or more	1.0 mm or more																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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Table III (continued)

DISTRICT, COUNTY AND PLACE		Max. Min.	Terminal hr. GMT of Observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS				MEAN EARTH TEMPER- ATURES °C		RAINFALL (Terminal hour 9 GMT)				WEATHER Number of Days												BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
					Means of		Daily Mean (mean of A & B)	Difference from 1931-60 average			Highest Maximum & Lowest Minimum		Total fall (mm)	Percentage of 1916-50 average	Most in a Day		Precipitation		Snow or Sleet Snow lying at 9hr.	Hail	Ice Pellets etc.	Thunder heard	Fog at 9hr.	Air Frost †	Grass min. below 0° C	Concrete min. below 0° C	Gale	Daily mean (hr.)	Percentage of 1931-60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
					Max. (A)	Min. (B)			Maximum	Minimum	30 cm.	122 cm.			Amount (mm)	Date	0.2 mm or more	1.0 mm or more																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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\* Sunshine figures are for Cross Island

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See Notes on Tables in the Introduction



Table IV Summary of Observations at fixed Hours Year 1969

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	Mean Pressure in MBS		Mean Temperature and Humidity				Cloud Amount (Oktas)					Visibility (Metres and Kilometres)								Wind Speed and Direction																
								Mean	0	1-2	3-5	6-7	8	9	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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
		8 or more	6-7	4-5	1-3	Calm																															
							SPEED IN KNOTS																														
							34 or more																		22-33	11-21	1-10	0									
		NUMBER OF OBSERVATIONS																																			
0 SCOTLAND, N.																																					
Lerwick [Zetland]																																					
83	3	1011.5	-	5.9	0.6	8.8	90	6.3	3	40	53	97	154	18	1	12	6	2	5	13	70	77	102	77	6	52	157	131	19	53	15	21	46	61	53	59	38
	9	1011.7	+1.6	6.9	0.9	9.1	87	6.6	0	20	46	165	119	15	0	7	4	12	8	17	77	63	89	88	4	44	183	121	13	40	29	21	63	57	56	54	32
	15	1011.6	-	7.4	1.1	9.1	85	6.5	0	21	62	153	120	9	0	4	4	5	7	11	88	68	88	90	6	54	187	115	3	37	30	13	67	66	56	65	28
	21	1011.9	-	6.2	0.7	8.8	89	6.1	2	51	52	107	141	12	0	8	3	8	2	18	83	73	89	81	4	44	168	128	21	51	13	23	49	64	62	55	27
Kirkwall [Orkney]																																					
26	3	1011.6	-	6.4	0.6	9.1	90	5.9	6	56	58	100	135	10	0	4	5	6	3	9	62	73	154	49	6	64	169	103	23	33	15	43	55	57	42	65	32
	9	1011.9	+1.5	7.7	1.0	9.4	86	6.4	2	34	39	167	117	6	0	0	3	3	8	4	62	65	135	85	12	66	182	94	11	36	21	40	59	58	53	53	34
	15	1011.8	-	8.6	1.4	9.5	82	6.2	1	38	45	175	105	1	1	0	0	0	5	4	63	64	122	106	7	79	190	80	9	41	17	41	67	53	30	75	32
	21	1012.1	-	6.8	0.7	9.2	89	5.8	5	61	57	120	114	8	0	1	4	3	5	5	63	70	144	70	2	51	196	99	17	40	18	35	63	63	29	69	31
Wick [Caithness]																																					
37	3	1011.7	-	6.2	0.6	9.0	90	5.7	15	48	57	127	104	14	0	7	4	5	6	6	63	70	114	90	3	30	140	180	12	21	12	31	52	67	46	83	41
	9	1011.9	+1.1	7.6	1.1	9.3	85	5.9	2	49	54	160	90	10	0	5	2	7	6	10	63	62	87	123	1	45	179	135	5	31	14	31	67	70	46	62	39
	15	1011.7	-	8.7	1.5	9.5	81	6.0	1	39	55	186	78	6	0	1	2	3	5	9	64	70	75	136	2	51	192	120	0	31	19	40	84	51	22	67	51
	21	1012.2	-	6.8	0.8	9.2	88	5.6	2	70	51	144	90	8	0	5	4	1	6	7	62	65	114	101	1	38	147	174	5	25	14	32	73	65	35	79	37
Cape Wrath* [Sutherland]																																					
113	3	1010.6	-	7.2	0.9	9.1	86	6.0	1	41	86	94	127	16	0	10	6	1	0	1	10	20	115	202	23	54	121	135	32	20	26	44	49	16	106	43	29
	9	1010.9	-	7.7	1.1	9.3	86	6.5	1	17	64	123	148	12	1	10	1	0	1	3	21	26	113	189	21	49	124	147	24	15	26	45	52	21	111	41	30
	15	1010.9	-	8.3	1.2	9.6	84	6.4	0	20	69	129	132	15	1	14	0	0	0	1	16	39	103	191	23	46	118	155	23	15	21	47	51	20	118	40	30
	21	1011.1	-	7.6	1.0	9.3	86	6.0	1	38	76	111	122	17	0	14	3	0	2	2	13	16	115	200	16	55	106	157	31	15	23	46	50	23	101	42	34
Stornoway [Ross & Cromarty]																																					
5	3	1011.4	-	6.6	0.4	9.5	93	5.0	33	66	66	96	104	0	0	1	0	1	0	4	51	117	136	55	3	33	139	144	46	34	17	35	40	62	66	45	20
	9	1011.6	+1.0	8.2	0.9	10.0	88	5.8	2	43	80	150	90	0	0	0	0	0	2	11	52	114	107	79	3	36	184	115	27	33	22	35	47	75	55	46	25
	15	1011.5	-	9.4	1.3	10.3	84	5.6	2	55	72	154	82	0	0	0	0	0	1	7	35	95	122	105	1	42	200	117	5	32	37	32	47	79	47	58	28
	21	1011.9	-	7.3	0.6	9.8	91	5.2	26	59	78	90	110	2	0	1	0	2	2	7	31	133	124	65	2	29	158	150	26	33	28	45	30	69	51	57	26
Benbecula [Inverness]																																					
7	3	1011.6	-	7.4	0.7	9.6	89	5.6	15	51	67	128	101	3	0	1	1	3	6	14	42	81	123	94	2	38	148	143	34	45	17	38	51	61	47	50	22
	9	1011.9	+1.2	8.7	1.1	9.9	85	6.0	1	42	67	176	79	0	0	0	0	2	4	14	39	96	109	101	3	38	188	125	11	30	23	41	55	68	51	51	35
	15	1011.8	-	9.8	1.5	10.1	80	5.8	3	42	70	179	71	0	0	0	0	0	6	8	38	91	96	126	4	41	197	114	9	35	16	39	41	58	66	62	39
	21	1012.2	-	7.9	0.9	9.7	87	5.5	7	66	62	144	84	2	0	0	2	2	4	11	33	91	120	102	3	45	151	129	37	41	30	46	28	55	50	46	32
1 SCOTLAND, E.																																					
Kinloss [Moray]																																					
6	3	1012.2	-	6.6	1.1	8.6	84	5.7	14	51	57	144	97	2	0	2	0	2	4	7	53	62	109	126	0	11	118	215	21	8	7	59	25	46	128	47	24
	9	1012.4	+1.2	8.3	1.7	8.9	77	5.9	2	45	58	189	71	0	0	0	0	2	4	5	47	49	92	166	0	16	161	177	11	36	9	65	16	39	100	58	31
	15	1012.0	-	10.4	2.6	9.1	70	5.9	2	42	61	201	59	0	0	0	0	1	1	9	47	58	84	165	1	32	187	142	3	42	26	64	24	39	62	65	40
	21	1012.6	-	7.8	1.5	8.9	80	5.6	6	48	68	176	66	1	0	1	0	1	1	6	61	70	97	128	1	18	130	201	15	21	15	67	32	49	101	52	13
Dyce [Aberdeen]																																					
59	3	1012.6	-	6.0	0.8	8.7	88	5.7	23	53	49	102	128	10	0	2	4	11	9	41	70	102	90	36	0	14	111	159	81	17	3	26	32	51	38	68	49
	9	1012.9	+0.9	7.7	1.4	9.0	81	5.9	5	43	58	154	99	6	0	2	4	4	19	47	60	76	82	71	0	9	147	162	47	20	6	39	40	51	49	52	61
	15	1012.5	-	9.6	2.1	9.3	75	6.0	4	36	69	155	96	5	0	2	0	4	6	53	61	94	68	77	1	21	185	143	15	31	9	47	55	77	29	45	57
	21	1013.0	-	7.1	1.1	9.1	85	5.7	20	44	59	119	109	14	0	3	0	11	9	48	88	89	84	33	0	13	105	195	52	26	4	31	48	60	35	57	52
Fraserburgh [Aberdeen]																																					
22	3	1012.3	-	7.4	0.9	9.4	87	5.8	12	47	71	76	144	15	0	5	3	10	3	11	63	143	124	3	11	46	113	180	15	36	7	33	36	86	44	86	22
	9	1012.5	-	8.2	1.2	9.5	84	6.1	4	20	93	126	116	6	0	8	2	2	6	16	55	112	157	7	6	59	122	166	12	39	7	40	47	69	41	89	21
	15	1012.3	-	9.3	1.5	9.9	81	6.0	3	26	88	135	106	7	0	4	1	7	3	11	59	118	138	24	9	56	125	166	9	40	9	60	47	74	16	81	29
	21	1012.6	-	8.1	1.1	9.6	85	6.0	9	25	89	103	129	10	0	3	2	5	5	13	58	143	132	4	9	54	109	186	7	45	8	35	48	94	27	80	21
Usan [Angus]																																					
35	3	1012.7	-	6.8	0.7	9.4	90	5.3	18	86	40	81	128	12	0	3	7	4	8	19	49	37	58	180	0	21	110	194	40	40	17	25	25	38	49	85	46
	9	1012.9	-	8.0	1.0	9.8	86	5.5	3	56	94	109	95	8	0	1	10	6	11	57	52	73	154	2	22	126	178	37	42	18	38	31	48	46	69	36	
	15	1012.5	-	9.5	1.3	10.4	83	5.5	4	59	77	120	93	12	0	6	3	4	5	19	61	53	54	160	2	30	148	171	14	39	27	40	52	63	45	67	18
	21	1013.0	-	7.6	0.8	9.8	89	5.1	17	85	54	90	107	12	2	4	2	7	4	16	54	39	76	161	2	20	122	182	39	54	24	27	24	42	46	81	28
Leuchars [Fife]																																					
12	3	1012.7	-	6.4	0.7	9.0	88	5.6	11	59	52	129	108	6	0	1	3	7	9	25	63	63	114	80	0	18	128	173	46	13	36	38	15	6	98	99	14
	9	1013.0	+0.7	8.1	1.3	9.4	82	5.8	2	53	61	149	96	4	0	2	4	5	7	23	60	71	104	89	0	21	164	149	31	17	27	65	17	14	83	90	21
	15	1012.5	-	10.3	2.1	9.9	76	5.8	2	50	69	148	95	1	0	0	1	5	5	19	56	78	98	103	1	39											



Table IV (continued)

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	Mean Pressure in MBS		Mean Temperature and Humidity				Cloud Amount (Oktas)						Visibility (metres and Kilometres)										Wind Speed and Direction																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-2	3-5	6-7	8	9	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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	Mean Pressure in MBS		Mean Temperature and Humidity				Cloud Amount (Oktas)					Visibility (Metres and Kilometres)								Wind Speed and Direction																					
		At mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-2	3-5	6-7	8	9	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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.					
																									8 or more	6,7	4,5	6,7	Calms													
																																						SPEED IN KNOTS				
																																						22-33	11-21	1-10	0	
NUMBER OF OBSERVATIONS																																										
3.																																										
3. ENGLAND, E.																																										
Coltishall [Norfolk]																																										
17	3	1013.8	-	7.5	0.8	9.7	88	5.4	43	48	41	97	127	9	3	8	11	17	33	62	102	94	33	2	0	1	83	194	87	31	22	35	21	30	45	67	27					
	9	1014.2	-	9.6	1.5	10.3	81	6.2	8	39	46	143	125	4	0	6	1	18	25	60	79	90	57	29	0	2	136	187	40	37	33	47	25	43	51	54	35					
	15	1013.7	-	11.7	2.5	10.4	72	6.3	14	21	48	171	111	0	0	1	0	5	14	45	86	98	83	33	0	1	165	186	13	44	38	58	29	42	41	63	37					
	21	1014.2	-	8.6	1.1	10.1	85	5.4	22	68	53	101	115	6	1	6	5	14	23	68	91	113	39	5	0	3	79	207	76	26	32	42	22	47	46	52	22					
Gorleston [Norfolk]																																										
8	3	1013.5	-	8.6	0.9	10.4	87	4.8	94	19	57	56	129	10	3	5	4	5	8	15	258	67	0	0	2	20	118	205	20	30	29	33	23	56	63	75	36					
	9	1013.8	-1.2	9.4	1.3	10.5	84	5.9	23	19	71	118	121	13	3	8	3	14	19	23	233	62	0	0	0	41	143	168	13	52	31	38	31	59	50	52	39					
	15	1013.4	-	10.6	1.8	10.6	79	5.8	23	15	88	112	122	5	0	2	3	5	18	24	226	85	0	2	3	30	182	142	8	61	44	37	41	63	41	38	32					
	21	1013.9	-	9.5	1.2	10.7	85	5.0	66	29	70	71	122	7	0	7	1	7	8	14	257	70	0	1	2	23	125	197	18	43	40	37	20	84	51	43	29					
Wattisham [Suffolk]																																										
91	3	1014.3	-	6.9	0.5	9.8	92	5.2	48	50	45	82	124	16	0	14	9	15	29	74	125	78	20	1	0	4	96	249	16	36	38	35	23	49	63	60	45					
	9	1014.6	-	9.0	1.2	10.3	84	5.9	12	41	49	141	112	10	0	8	5	16	16	59	107	97	46	11	0	6	143	210	6	50	40	38	26	52	52	41	60					
	15	1014.0	-	11.7	2.6	10.3	72	6.0	12	32	59	154	105	3	0	1	3	6	12	43	102	97	83	18	0	10	178	172	5	38	46	33	43	44	41	68	47					
	21	1014.8	-	8.3	0.9	10.2	87	5.4	39	45	56	105	115	5	0	3	3	11	25	49	148	86	37	3	0	2	93	255	15	38	48	49	35	54	49	40	37					
Aldeburgh [Suffolk]																																										
9	15	1014.5	-	-	-	-	-	5.7	26	3																																



Table IV (continued)

Height of Barometer above M.S.L. in metres	Hour Of Observation (GMT)	Mean Pressure in MBS		Mean Temperature and Humidity				Cloud Amount (Oktas)									Visibility (Metres and Kilometres)										Wind Speed and Direction														
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-2	3-5	6-7	8	9	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	8 or more or 34 or more						N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
																									8 or more	7	6	5	4	3									2	1	0
																									34 or more	22-33	11-21	1-10	0												
NUMBER OF OBSERVATIONS																																									
4 MIDLAND COUNTIES - contd.																																									
Ross-on-Wye [Hereford]																																									
69	9	1014.6	-0.7	9.3	1.4	10.2	82	5.9	12	48	43	115	137	10	0	12	2	1	11	36	120	35	120	28	0	0	1	43	300	21	36	53	46	13	36	75	63	22			
	15	1013.8	-	12.4	2.8	10.4	70	5.9	8	46	58	121	130	2	0	3	0	4	5	15	113	57	129	39	0	1	87	274	3	50	50	37	19	35	69	79	23				
	21	1014.6	-	9.3	1.3	10.3	83	5.4	30	69	39	75	150	2	0	3	1	4	5	31	145	36	115	25	0	1	36	295	33	31	47	37	15	43	86	55	18				
Filton [Gloucester]																																									
60	3	1014.6	-	8.1	0.8	10.2	90	5.6	38	43	41	107	132	4	0	1	4	4	15	56	145	105	33	1	0	4	62	229	70	41	48	29	14	37	45	72	7				
	9	1015.1	-0.6	9.7	1.4	10.5	83	6.1	12	39	42	151	117	4	0	5	2	8	11	64	85	112	60	18	0	4	103	240	18	47	54	36	25	33	59	71	22				
	15	1014.3	-	12.4	2.6	10.8	72	5.9	5	48	59	148	103	2	0	0	1	5	8	35	82	107	80	47	0	5	145	214	1	46	52	30	26	29	62	88	31				
Gloucester [Gloucester]																																									
24	3	1014.5	-	8.3	0.7	10.4	89	5.7	34	41	40	106	134	10	0	4	3	7	23	47	121	96	53	11	0	0	51	224	90	47	32	12	18	70	55	31	10				
	9	1014.9	-	9.9	1.4	10.7	83	6.1	10	43	43	149	116	4	0	2	4	6	28	54	92	98	44	37	0	1	59	261	44	63	29	22	20	57	79	30	21				
	15	1014.1	-	13.1	2.7	11.2	71	6.1	7	28	64	170	95	1	0	0	1	6	9	35	92	95	70	57	0	2	128	217	18	55	42	23	23	53	81	36	34				
Little Rissington [Gloucester]																																									
229	3	1014.7	-	6.8	0.6	9.5	91	5.6	51	37	33	70	130	44	2	24	21	22	14	36	100	52	41	53	1	8	82	257	72	39	41	33	17	36	70	60	52				
	9	1015.0	-0.4	8.1	1.1	9.7	85	6.2	7	45	37	138	104	34	0	28	6	8	21	32	85	74	56	53	0	12	124	214	15	44	45	32	25	30	72	56	46				
	15	1014.1	-	11.0	2.5	9.8	72	6.0	7	36	65	151	93	13	0	11	5	5	12	14	90	65	96	67	1	25	140	193	6	37	40	42	22	27	72	73	46				
5. ENGLAND, S.E.																																									
Heathrow [Greater London]																																									
26	3	1014.5	-	8.2	0.9	1																																			



Table IV (continued)

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	Mean Pressure in MBS		Mean Temperature and Humidity				Cloud Amount (Oktas)						Visibility (Metres and Kilometres)								Wind Speed and Direction																			
		At Mean Sea Level	Difference From Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-2	3-5	6-7	8	9	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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
																									8 or more	6.7	4.5	1.3	Calm												
																									SPEED IN KNOTS																
																									34 or more	22-33	11-21	1-10	0												
																									NUMBER OF OBSERVATIONS																
7a. ENGLAND, N.W.																																									
Carlisle [Cumberland]																																									
28	3	1013.5	-	6.7	0.8	9.2	88	5.4	29	55	48	103	119	11	2	10	0	5	7	45	118	113	59	6	1	3	64	201	96	7	16	79	28	22	56	51	10				
	9	1013.8	-	8.5	1.3	9.7	83	6.0	8	44	47	157	103	6	0	5	2	2	10	46	82	122	67	29	0	5	80	211	69	8	18	76	34	22	51	81	6				
	15	1013.3	-	11.0	2.3	10.1	74	6.0	3	44	60	156	99	3	0	2	1	2	5	32	81	117	80	45	0	6	142	188	29	15	23	70	16	13	73	98	28				
	21	1013.8	-	8.1	1.1	9.7	85	5.5	24	53	60	115	106	7	0	7	3	1	13	45	107	119	58	12	0	6	79	208	72	9	19	78	26	14	65	69	13				
Gt. Dun Fell [Westmorland]																																									
	3	-	-	2.5	0.2	7.5	96	6.3	64	1	17	15	10	258	140	121	0	0	1	0	15	33	52	3	22	73	173	87	10	32	39	48	15	45	99	54	23				
	9	-	-	3.2	0.4	7.8	95	6.5	40	6	29	36	30	224	58	167	0	1	4	1	17	39	69	9	26	91	147	87	14	31	42	52	10	52	85	64	15				
	15	-	-	4.4	0.6	8.1	91	6.6	25	8	45	62	44	181	53	128	1	0	2	2	14	46	109	10	26	98	162	75	4	23	41	50	13	30	103	81	20				
	21	-	-	3.1	0.3	7.8	96	6.4	54	3	22	28	18	240	117	124	2	0	1	0	15	37	64	5	23	83	165	79	15	18	38	59	13	39	93	67	23				
Squires Gate [Lancashire]																																									
11	3	1013.6	-	7.6	0.7	10.0	90	5.6	37	38	42	122	121	5	0	4	1	4	16	54	87	102	79	18	0	23	154	161	27	35	21	81	46	29	24	56	46				
	9	1014.0	-0.1	9.2	1.1	10.6	86	6.1	9	43	39	162	105	7	1	3	1	11	15	79	101	76	57	21	1	27	177	150	10	28	19	78	59	31	32	63	45				
	15	1013.6	-	11.1	1.8	11.0	79	5.9	11	39	57	169	86	3	1	2	0	2	9	54	85	95	73	44	2	21	207	130	5	22	14	61	20	28	39	99	77				
	21	1013.9	-	8.8	0.9	10.5	87	5.7	21	54	34	150	104	2	2	2	1	3	19	68	103	86	70	11	2	19	173	157	14	24	25	91	29	24	36	73	49				
Speke [Lancashire]																																									
26	3	1013.8	-	7.8	0.7	10.1	89	5.5	20	63	51	116	109	6	5	1	0	10	8	68	89	110	68	6	0	6	98	237	24	28	27	54	52	50	22	52	56				
	9	1014.1	-	9.2	1.2	10.4	84	6.1	6	47	43	165	99	5	5	2	4	6	19	61	123	85	46	14	0	8	122	220	15	38	27	40	60	62	18	62	43				
	15	1013.7	-	11.8	2.3	10.8	75	5.9	7	44	56	170	86	2	1	1	0	11	60	98	82	59	52	0	10	173	178	4	21	17	48	46	45	26	89	69					
	21	1014.2	-	9.2	1.1	10.5	85	5.4	17	71	50	131	94	2	1	0	1	7	17	74	123	88	40	14	0	8	101	235	21	32	26	61	35	41	37	54	58				
Ringway [Cheshire]																																									
76	3	1014.1	-	7.4	0.9	9.6	88	5.7	34	44	43	101	136	7	1	3	4	8	11	68	133	97	36	4	0	3	78	220	64	20	26	45	36	88	25	32	29				
	9	1014.4	0.0	8.9	1.5	9.8	81	6.0	11	43	49	141	112	9	0	6	2	8	15	83	148	77	26	0	0	6	115	210	34	23	28	49	23	76	46	52	34				
	15	1013.9	-	11.5	2.6	10.0	71	6.1	9	32	57	155	109	3	0	2	1	6	8	63	130	95	57	3	0	11	160	177	17	16	31	48	19	56	44	88	46				
	21	1014.5	-	8.9	1.3	10.1	83	5.6	20	58	56	90	135	6	3	2	1	6	17	85	153	84	14	0	0	2	90	234	39	19	28	56	28	67	33	56	39				
7b. NORTH WALES																																									
Valley [Anglesey]																																									
11	3	1013.7	-	8.4	0.9	10.1	87	5.5	33	39	65	97	128	3	0	1	1	8	9	25	87	89	116	29	4	43	159	120	39	34	28	64	16	64	34	45	41				
	9	1014.0	0.0	9.8	1.4	10.5	82	6.1	8	34	54	158	105	6	0	1	0	7	6	21	77	86	120	47	4	54	175	110	22	32	26	59	19	63	51	46	47				
	15	1013.7	-	11.5	2.0	10.7	76	5.8	7	48	62	158	90	0	0	0	0	3	4	10	74	100	89	85	5	65	191	99	5	42	37	41	8	64	70	55	43				
	21	1014.1	-	9.2	1.1	10.5	85	5.5	21	57	48	130	104	5	0	0	1	6	5	25	84	93	101	50	3	47	144	146	25	35	37	62	11	61	61	44	29				
Bardsey Island [Caernarvon]																																									
19	3	1013.8	-	9.4	0.8	10.9	89	5.7	23	27	96	61	142	16	2	4	4	6	2	0	57	133	135	22	9	51	163	120	22	48	27	57	29	51	40	39	52				
	9	1014.0	-	9.9	1.0	11.1	88	6.2	9	17	77	113	131	18	0	3	7	9	2	1	49	96	155	43	13	55	155	117	25	47	29	59	29	53	35	44	44				
	15	1013.8	-	11.0	1.3	11.5	84	6.1	10	21	72	143	108	11	0	4	2	8	1	2	43	95	144	66	4	56	150	135	20	74	18	40	22	46	57	51	37				
	21	1014.1	-	9.9	0.9	11.1	88	5.8	23	16	100	83	131	12	1	4	4	4	1	0	57	100	159	35	7	41	168	124	25	58	32	46	26	43	59	44	32				
8a. SOUTH WALES																																									
Aberporth [Cardigan]																																									
134	3	1014.0	-	8.2	0.9	9.9	87	5.4	37	54	48	92	126	8	0	3	2	6	9	17	113	115	79	21	0	31	157	151	26	21	27	37	33	86	41	45	49				
	9	1014.3	-0.3	9.3	1.3	10.2	83	6.1	12	39	33	174	103	4	1	2	2	0	5	14	94	146	71	30	3	36	170	140	16	36	33	30	32	76	40	50	43				
	15	1014.0	-	10.8	1.8	10.6	78	5.9	11	40	50	176	84	4	0	1	4	2	2	6	96	120	84	50	1	27	180	147	10	47	32	27	18	54	39	80	58				
	21	1014.4	-	9.1	1.1	10.3	85	5.4	21	68	49	104	119	4	0	3	4	3	5	12	107	124	73	34	0	29	161	149	26	38	26	38	26	69	60	57	25				
Milford Haven C.B. [Pembroke]																																									
39	3	1014.4	-	-	-	-	-	5.1	62	30	64	64	130	15	0	6	5	7	2	8	160	120	57	0	0	14	130	180	41	44	42	47	22	31	37	42	59				
	9	1014.7	-	10.1	1.3	10.8	83	5.9	28	21	71	106	127	12	0	7	3	4	5	18	159	133	36	0	2	13	137	168	45	31	40	54	31	29	44	39	52				
	15	1014.4	-	12.0	2.0	11.1	76	5.7	18	26	102	98	118	3	0	0	1	3	2	15	150	141	52	1	1	18	162	174	10	43	13	50	30	36	74	62	47				
	21	1014.6	-	10.1	1.2	10.9	84	5.3	49	30	67	89	122	8	0	0	3	5	6	8	159	147	37	0	0	14	115	197	39	57	36	37	21	32	50	54	39				
Mumbles [Glamorgan]																																									
37	3	1014.0	-	9.3	1.0	10.7	87	5.4	48	36	64	65	146	6	1	1	2	4	3	4	93	117	107	33	3	38	151	159	14	39	41	75	7	30	39	77	43				
	9	1014.4	-	9.9	1.2	10.8	84	6.0	9	26	83	114	126	7	0	0	4	4	4	36	149	81	75	12	4	41	142	163	15	31	39	89	8	36	43	70	34				
	15	1014.1	-	11.6	1.8	11.2	78	6.0	8	23	96	121	113	4	0	0	3	2	9	15	140	86	74	36	1	47	173	134	10	19	10	70	11	28	78	107	32				
	21	1014.4	-	10.2	1.2	11.0	84	5.4	27	50	67	93	123	5	0	1	4	4	3	7	98	124	90	34	4	27	162	160	12	40	32	64	8	30	45	91	43				
Rhoose [Glamorgan]																																									
69	3	1014.4	-	8.1	0.7	10.2	89	5.6	46	43	29	87	150	10	1	3	5	7	9	33	94	118	80	15	0	11	100	207	47	23	50	56	14	26	25	71	53				
	9	1014.8	-0.8	9.4	1.2	10.5	84	6.1	6	46	38	152	116	7	0	1	5	4	14	50	91	109	64	27	0	14	153	171	27	19	42	73	31	24	24	76	49				
	15	1014.3	-	11.8	2.2	10.9	75	5.9	2	48	55	166	92	2	0	0	1	7	34	79	123	67	53	1	16	196															



Table IV (continued)

Height of Barometer above M.S.L. in metres	Hour of Observation (GMT)	Mean Pressure in MBS		Mean Temperature and Humidity				Cloud Amount (Oktas)						Visibility (Metres and Kilometres)								Wind Speed and Direction															
		At Mean Sea Level	Difference from Average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1-2	3-5	6-7	8	9	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.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
																									8 or more	6-7	4-5	1-3	Calm								
34 or more	23-33	11-21	1-10	0	NUMBER OF OBSERVATIONS																																
8b. ENGLAND, S.W. — contd.																																					
38	Exeter [Devon]																																				
	3	1014.8	-	8.0	0.6	10.3	91	5.5	41	55	35	79	146	9	0	17	1	11	13	25	79	106	89	24	0	13	49	186	117	29	39	17	27	36	24	36	40
	9	1015.2	-0.6	9.9	1.3	10.8	84	6.0	12	40	43	154	110	6	0	7	3	2	10	28	98	98	78	41	2	13	100	182	68	31	47	24	28	45	26	33	63
	15	1014.6	-	12.7	2.4	11.3	73	6.1	5	40	52	159	109	0	0	0	0	0	4	14	94	86	82	85	0	28	149	170	18	26	38	30	41	68	23	46	75
21	1015.3	-	9.5	1.1	10.8	86	5.2	25	68	61	79	130	2	1	3	0	9	8	23	100	102	79	40	0	13	55	214	83	31	34	27	29	47	22	45	47	
61	Scilly [Cornwall]																																				
	3	1014.9	-	10.7	0.9	11.8	88	5.0	31	63	75	76	109	11	0	3	7	2	4	11	93	68	115	62	2	30	141	155	37	44	40	31	30	32	46	55	50
	9	1015.2	-0.3	11.5	1.3	11.8	84	5.7	8	35	106	111	94	11	1	1	2	9	8	14	110	68	98	54	2	36	137	157	33	45	43	32	31	38	49	54	40
	15	1015.0	-	12.5	1.7	12.1	81	5.6	12	37	99	127	82	8	0	1	1	7	6	13	121	69	95	52	1	31	162	151	20	43	38	37	33	43	36	71	44
21	1015.4	-	10.9	1.1	11.6	86	5.2	19	67	84	74	110	11	0	2	6	3	7	22	106	68	93	58	4	26	146	150	39	36	44	31	25	35	35	65	55	
107	St. Mawgan [Cornwall]																																				
	3	1014.8	-	9.2	0.8	10.9	89	5.7	32	41	52	101	129	10	0	8	4	8	16	28	102	100	67	32	0	21	118	193	33	31	29	58	40	57	28	40	49
	9	1015.2	-	10.4	1.3	11.1	84	6.0	12	32	60	167	89	5	0	2	4	3	5	24	110	104	68	45	2	16	169	155	23	34	34	47	44	56	29	53	45
	15	1014.8	-	12.0	2.0	11.1	76	6.1	5	30	65	184	79	2	0	3	0	2	3	21	99	89	72	76	0	23	208	130	4	50	22	35	34	39	38	82	61
21	1015.2	-	9.9	1.0	11.1	87	5.7	17	41	70	125	104	8	0	3	6	5	8	32	106	91	67	47	1	16	141	173	34	38	34	46	28	55	28	65	37	
NORTHERN IRELAND																																					
Ballykelly [Londonderry]																																					
3	3	1012.7	-	7.4	0.9	9.5	88	5.5	24	57	54	108	121	1	0	0	0	2	2	8	52	103	173	25	1	9	123	171	61	22	13	52	44	44	51	60	18
	9	1012.8	+0.3	9.0	1.2	10.2	84	6.2	4	31	60	169	100	1	0	0	1	3	6	9	73	104	126	43	0	11	163	155	36	32	11	52	48	43	47	69	27
	15	1012.5	-	11.3	2.1	10.6	76	6.2	4	21	67	193	78	2	0	2	1	0	2	3	63	85	106	103	0	15	195	145	10	46	14	43	47	38	53	75	39
	21	1013.0	-	8.6	1.1	10.0	85	5.7	15	48	58	147	95	2	0	1	1	0	0	4	66	94	150	49	0	5	123	199	38	28	11	56	53	37	64	46	32
Aldergrove [Antrim]																																					
73	3	1013.4	-	7.0	0.7	9.4	89	5.7	22	54	44	110	125	10	0	2	3	9	11	35	84	129	89	3	0	3	100	248	14	32	14	60	49	64	55	43	34
	9	1013.6	+0.4	8.5	1.1	10.0	85	6.3	5	32	43	176	104	5	0	1	3	4	9	43	65	125	89	26	0	2	153	202	8	29	15	56	38	57	59	69	34
	15	1013.1	-	11.0	2.1	10.4	76	6.3	2	18	68	192	84	1	0	2	1	0	9	22	65	93	105	68	0	6	178	175	6	35	9	50	42	43	64	72	44
	21	1013.7	-	8.3	1.1	9.8	85	5.7	16	53	48	144	101	3	0	0	3	2	6	34	68	118	106	28	0	3	118	231	13	43	12	61	45	62	43	59	27
CHANNEL ISLANDS																																					
Guernsey																																					
110	9	1015.7	-	10.7	1.3	11.3	83	5.8	13	14	63	171	76	2	0	7	5	5	8	17	80	67	117	59	2	24	197	129	13	44	53	36	26	58	36	58	41
	21	1015.7	-	10.3	1.2	11.1	84	5.0	29	64	77	104	91	0	0	0	8	6	10	23	81	73	113	51	2	26	164	155	18	36	59	39	24	38	31	79	41



TABLE V.—HIGHEST AND LOWEST MAXIMUM AND MINIMUM TEMPERATURES DURING THE YEAR AT EACH STATION

DISTRICT AND PLACE	Highest Maximum and date	Highest Minimum and date	Lowest Maximum and date	Lowest Minimum and date
	°C	°C	°C	°C
<b>0 SCOTLAND, N.</b>				
Hamnavoe	Aug. 1, 13	20.6	Aug. 3, 10	15.0
Lerwick	Aug. 1	18.5	Aug. 2	14.0
Baltaound	June 12, Aug. 2	19.4	Aug. 10, 11	13.9
Sule Skerry	July 27	18.6	Aug. 12	12.7
Stennes	June 12	23.3	Aug. 2, 9, 12	13.9
Kirkwall	July 15	20.4	Aug. 12	13.6
Dounreay	July 14	24.4	Aug. 12	15.0
Wick	July 22	23.2	July 21	14.6
John O'Groats	July 14	21.1	July 21, Aug. 9, 10, 12	13.3
Cape Wrath	Aug. 8	24.6	Aug. 8	15.8
Achany	June 12, July 14	25.0	Aug. 10	15.0
Strathay	Aug. 8	25.6	July 21, Aug. 12	15.0
Achintoul	June 12	26.1	Aug. 12	14.4
Stornoway	June 11	22.6	Aug. 11	14.4
Balmacara	June 15	26.1	Aug. 8	15.6
Poolewe	June 15	26.7	Aug. 11, 12	15.0
Rudh Re	June 15	25.1	Aug. 8	15.7
Inverpolly	June 15, Aug. 8	26.1	Aug. 5	15.6
Achnashellach	Aug. 8	26.1	Aug. 10, Sept. 18	13.9
Kinlochewe	June 15, Aug. 18	26.1	Aug. 11	15.6
Knockanrook	Aug. 11	24.4	Aug. 11	14.4
Strathconon	June 11, July 15	25.6	July 21, Aug. 9	15.0
Fortrose	Aug. 8	26.1	Aug. 8, 9, 12	15.6
Tarbatness	June 12, July 14	24.5	Aug. 12	15.5
Benbecula	June 15	21.3	Aug. 8	15.0
Isle of Rhum	June 15	22.8	Aug. 8	15.6
Prabost	June 15	24.4	Aug. 8	15.6
Duntulm	June 15	23.9	July 31	15.0
Onich	June 15	25.0	Sept. 18	15.6
Fort William	Aug. 1	26.7	Aug. 11	16.1
Corpach	June 10	25.6	Aug. 11	15.6
Fort Augustus	July 15	27.2	July 31	16.1
Inverness	Aug. 8	27.2	Aug. 8, 9	15.0
Coire Cas Shieling	July 15	22.2	July 16, Aug. 2, 9, 11	14.4
Cairngorm	July 15	18.4	Aug. 2	12.2
Achnagoichan	July 15	26.1	Aug. 8	16.1
Glenmore Lodge	July 15	25.5	July 22	16.6
<b>1 SCOTLAND, E.</b>				
Nairn	Aug. 8	27.8	Aug. 9, 12	16.7
Grantown-on-Spey	July 15	27.2	July 22, Aug. 12	15.0
Forres	Aug. 8	27.8	Aug. 12	17.2
Kinloss	Aug. 8	27.4	Aug. 12	16.7
Elgin	July 14, Aug. 8	26.7	July 21, Aug. 12	16.7
Lossiemouth	July 14	27.2	July 21, 26, Aug. 12	15.6
Gordon Castle	July 14	27.2	July 21	16.7
Glenlivet	—	—	—	—
Banff	July 14	27.8	July 21, Aug. 11	15.6
Braemar	July 15, Aug. 30	24.4	July 22	16.7
Balmoral	July 15	25.6	July 22	17.2
Dinnet	June 11, July 14, 15	26.1	July 22	17.2
Gartly	July 14, 15	26.1	July 21	15.6
Inverurie Swg. Wks.	July 14	27.2	July 22	17.2
Fyvie Castle	July 14	27.8	July 22	17.2
Craibstone	July 14	26.7	July 22	16.7
Dyce	July 14	27.4	July 22	16.7
Aberdeen	July 14	25.6	July 22	16.1
Fraserburgh	July 14	25.1	July 22	14.8
Fettercairn	July 14, 16	23.3	July 22	15.6
Strachan	July 14	25.6	July 22	17.2
Banchory	July 14	27.2	July 22	17.2
Mylnfield	July 15	25.0	July 22	17.2
Dundee	July 14	26.7	July 22	17.2
Glamis Castle	July 16	25.6	July 22	16.7
Whitehilllocks	July 15	25.0	July 21, 22	16.1
Buddon Ness	June 12, Aug. 30	23.9	July 22	16.1
Carnoustie	July 14, 15, 16, 22	25.6	—	—
Arbroath	July 13, 22	22.8	Aug. 11, 14	15.0
Usan	July 13	23.7	Aug. 11	15.2
Montrose	July 14	25.6	July 21	16.1
Aberfoyle	June 11, July 15	26.1	Aug. 11	16.7
Dall	July 15	25.6	Aug. 11	15.6
Callander	July 15	26.7	Aug. 11	15.6
Ardtaraig	June 11	26.7	July 22, Aug. 11	15.6
Glenaeagles	July 15	25.6	July 22	15.0
Fowls Wester	July 15	25.6	July 22	15.6
Pitlochry	July 15	25.6	July 22	16.1
Faskally	July 15	25.1	July 22	16.7
Ashintully Castle	July 14, 15	24.4	July 22, Aug. 11, 12	13.9
Strathallan	July 15	26.6	July 22	17.3
Perth	July 15	27.2	July 22	17.2
Blairstown	July 15	26.1	July 22	16.7
Kinross	July 15	26.7	July 22	15.6
Pitreavie	July 14	25.5	July 22	17.0
Kirkcaldy	July 14	26.1	July 22, 23	16.7
Cupar	July 15	26.7	July 22	16.7
Leuchars	July 16	26.3	July 22	16.8
St. Andrews	July 14	25.6	July 22	17.2
Turnhouse	Aug. 8	26.5	July 22	17.3
Edinburgh, E. Craigs	July 15	26.7	July 22	17.2
Davidson's Mains	July 14	26.1	July 22	16.7
Penicuik	July 15	27.2	Aug. 12	16.1
Bush House	July 15	26.1	July 21, 22, Aug. 12	15.6

DISTRICT AND PLACE	Highest Maximum and date	Highest Minimum and date	Lowest Maximum and date	Lowest Minimum and date
	°C	°C	°C	°C
<b>1 SCOTLAND, E. (contd.)</b>				
Edinburgh :-				
Blackford Hill	July 14, 16	26.1	July 22	16.7
Royal Bot. Gdn.	July 14	26.1	July 22	17.2
Haddington	July 15	27.8	July 21, 22, Aug. 9	16.7
Dunbar	July 15, 16	27.2	July 22	17.2
Mertoun	July 15	27.8	Aug. 10	16.1
Lauder	July 15	26.7	July 21	15.6
Marchmont	July 15	26.7	Aug. 10	16.1
Whitchester	July 14, 15	24.4	July 21	15.6
St. Abb's Head	July 15	25.8	July 15	16.0
Stanhope Farm	July 15	25.0	Aug. 11	16.6
Blyth Bridge	July 15	25.0	Aug. 11	16.1
West Linton	July 15	26.1	Aug. 11	15.0
Glentworth	July 15	27.2	July 22	15.6
Bowhill	July 15	27.2	Aug. 10	15.6
Galashiels	July 15	26.7	Aug. 10	16.1
Wauchope	July 15	27.8	Aug. 10	16.1
Kelso	July 15	27.2	Aug. 10	17.2
Sourhope	July 15	27.8	Aug. 11	17.2
<b>6a SCOTLAND, W.</b>				
Tiree	June 11	21.0	Aug. 8, 15	14.3
Rhuval	June 12, July 21	21.4	Aug. 8	16.3
Colonsay	June 12	22.2	Aug. 8	15.0
Aros	June 11	25.0	Aug. 11	15.0
Craighouse	June 11	23.9	Aug. 8, (15), Sept. 18	14.4
Machrihanish	July 21	23.3	Aug. 8	15.5
Achnagachgach	June 9, 10, July 15	23.9	—	—
Knapdale Forest	June 10, 11, July 15	23.9	Aug. 8	15.6
Glenbranter	July 15	25.0	July 22	16.1
Glen Etive	June 9, 11	26.1	Aug. 11	16.7
Benmore Y. B. G.	June 11, July 15	26.6	Aug. 11	16.1
Kildonan	July 15	22.5	Aug. 8	16.5
Brodick Castle	June 12	23.9	Aug. 2, 9, 10, 14, 15	15.0
Rothsay	June 10, 11, July 15	23.9	Aug. 11	17.2
Finnart	July 15	25.0	Aug. 11	17.2
Helensburgh	July 15	26.1	Aug. 11	16.7
Sloy	July 15	24.4	Aug. 11	17.5
Cumbernauld	July 15	26.7	Aug. 11	16.1
Earl's Hill	July 15	24.2	July 22	15.0
Stirling	July 15	27.2	July 22	16.7
Falkirk Swg. Wks.	July 15	27.2	Aug. 11	16.1
Grangemouth	July 15	28.3	July 22	17.2
Greenock	July 15	25.6	Aug. 11	16.7
Paisley	July 15	27.2	Aug. 11	17.2
Barrhead	July 15	26.7	Aug. 9	17.2
Abbotsinch	Aug. 8	26.6	Aug. 11	16.4
Crossmyloof	July 15	27.2	Aug. 9, 11	16.7
Thortonhall	July 15	25.6	Aug. 9, 11	16.1
Glasgow, Springburn	June 11, July 15	26.1	July 22	16.1
Coatbridge	July 15	27.2	July 22, Aug. 9, 11	16.1
Salisbury	July 15	25.0	July 16	16.2
Leadhills	July 15	26.1	Aug. 11	15.6
Crawfordjohn	July 15	24.7	Aug. 9	16.0
Lanark	July 15	26.1	—	—
Carnwath	July 15	25.6	July 22, Aug. 9, 10, 11	15.0
Camps Reservoir	July 15	24.4	Aug. 9	15.0
Girvan	Aug. 8	23.9	Aug. 8	17.2
Hunterston	July 15, Aug. 13	24.4	Aug. 11	17.2
Barr	July 15	25.6	Aug. 9	15.0
Auchincruive	Aug. 8	24.4	Aug. 11	16.7
Prestwick	Aug. 8	25.2	July 22	16.6
Kilmarnock	June 10, Aug. 8	25.6	July 22, Aug. 9	16.7
Dumfries	July 15	25.6	Aug. 9	16.7
Eskdalemuir	July 15	26.5	Aug. 10	15.8
Bargrennan	July 15	25.0	Aug. 9, 11, Sept. 18	14.4
Palnure	June 10	25.0	Aug. 8	16.7
Clatteringshaws	July 15	24.4	Aug. 9	15.0
Glenlee	July 15	26.7	Aug. 9	15.6
Dundee	July 15	24.4	July 22, Aug. 2, 9, 15	14.4
St. Mary's Isle	July 15	26.1	Aug. 9	16.7
Glenloch Barrage	July 15	26.1	July 16, 22	15.0
Threave	July 15	26.1	Aug. 9	16.1
West Freugh	Aug. 13	22.6	Aug. 8	16.1
Penwhim	July 15	23.9	July 21, Aug. 8, 11, 15	13.9
Mull of Galloway	June 10, 11, Aug. 15	22.0	July 16	15.0
Newton Stewart	June 10, July 15	24.4	July 16	15.6
<b>6b ISLE OF MAN</b>				
Ronaldsway	July 15	24.8	Aug. 8	15.4
Douglas	July 15	24.4	Aug. 9	15.6
Point of Ayre	July 21	25.6	July 22	16.0
<b>2 ENGLAND, N.E.</b>				
Kielder Castle	July 15	27.2	Aug. 10	15.0
Haydon Bridge	July 15	28.3	Aug. 10	17.2
Carbridge	July 15	27.8	July 21	17.2
Berwick-on-Tweed	July 16	25.8	July 23	16.1
Acklington	July 16	27.0	July 21	16.5
Tynemouth	July 16	28.1	July 21	17.5
Seahouses	July 16	26.9	July 23	16.2
Chopwellwood	July 15, 16	27.2	July 16, 21, 23	15.6



Table V (continued)

DISTRICT AND PLACE	Highest Maximum and date	Highest Minimum and date	Lowest Maximum and date	Lowest Minimum and date
2 ENGLAND, N.E. (contd.)		°C	°C	°C
Houghall	July 16	27.8 Aug. 10	16.7 —	— Feb. 16
Durham	July 16	27.2 July 21	16.1 Nov. 28	—1.1 Feb. 18
Hatfield	July 16	28.9 July 21	17.2 Feb. 7	—2.2 Feb. 16
Leeming	July 14, 16	28.2 July 23	17.2 Feb. 7	—2.9 Feb. 16
York (Heslington)	July 16	30.6 Aug. 10	16.7 Feb. 15	—1.1 Feb. 16
Ampleforth	July 16	28.3 Aug. 10, 11	16.1 Feb. 14, 15, Nov. 28	—1.1 Feb. 9
Redcar	July 16	30.0 July 21	17.2 Feb. 7	—1.1 Feb. 16
Pickering	July 16	29.8 Aug. 10	16.4 Feb. 7	—1.8 Feb. 16
Scarborough	July 16	29.4 July 23	17.2 Feb. 7	0.0 Feb. 8
Silpho Moor	July 16	28.9 July 15, 23	15.6 Feb. 8	—1.7 Feb. 8
Whitby C. Guard	July 16	29.3 July 21	17.6 Feb. 7	0.1 Feb. 15, 16
High Mowthorpe	July 16	28.3 July 15, 21	15.6 Feb. 7, 14, Nov. 28	—1.7 Feb. 14
Hull	July 16	31.7 July 15, Aug. 11	17.2 Feb. 7	0.0 Feb. 8
Filey	July 16	28.9 July 15, 21, 23	15.6 Feb. 8	0.0 Feb. 15, 16
Bridlington	July 16	29.4 Aug. 10	15.0 Feb. 8	—1.1 Feb. 14, 15
Kilnsea	July 20	27.2 July 23	16.4 Feb. 8	—0.8 Feb. 8
Waddington	July 16	31.6 Aug. 10	17.3 Nov. 28	—1.0 Feb. 8
Lincoln	July 16	31.1 Aug. 10	17.2 Nov. 28, Dec. 19	0.0 Feb. 9
Cranwell	July 16	31.3 Aug. 10	17.1 Nov. 28	—0.8 Feb. 8
Brigg	July 16	30.6 Aug. 10	16.7 Feb. 16	0.0 Feb. 15, 17
Binbrook	July 16	32.1 Aug. 10	17.7 Feb. 8	—2.0 Feb. 8
Cleethorpes	—	— July 23, Aug. 10	17.2 Feb. 8	—0.6 Feb. 8
Manby	July 16	31.6 Aug. 10	16.6 Feb. 8	—1.5 Feb. 8
Skegness	July 16	31.1 Aug. 10	17.8 Feb. 8	0.0 Feb. 9
3 ENGLAND, E.				
Terrington, St. Clements	July 16	31.7 Aug. 10	17.2 Feb. 8	—1.7 Feb. 8
Santon Downham	July 16	31.7 July 12, Aug. 10	16.1 Feb. 8	—1.1 Feb. 15
East Dereham	July 16	32.1 Aug. 10	17.1 Feb. 8	—0.1 Feb. 15
Morley St. Botolph	July 16	30.0 Aug. 10	16.1 Feb. 8	—2.2 Feb. 15
Coltishall	July 16	30.3 Aug. 10	18.0 Feb. 15	—1.1 Dec. 7
Burlingham	July 16	30.0 Aug. 10, 19	16.7 Feb. 8	—1.1 Feb. 9
Gorleston	July 4	25.6 Aug. 11	18.8 Feb. 8	—0.8 Feb. 8, 9
Broom's Barn	July 16, Aug. 10	30.6 Aug. 10	16.7 Feb. 8	—1.7 Feb. 8
East Bergholt	July 16	30.7 July 12, Aug. 3, 10	16.1 Feb. 8	—0.6 Feb. 8
Wattisham	July 16	29.8 Aug. 11	17.6 Feb. 8	—2.0 Feb. 8
Lowestoft	July 4, 16, 21	25.6 Aug. 10	18.3 Feb. 8	—1.1 Feb. 9
Boxworth	July 16	31.1 July 12, Aug. 10	16.1 Feb. 8	—1.1 Feb. 8
Mepal	July 16	31.7 Aug. 10	16.7 Feb. 8	—1.1 Feb. 8
Cambridge B.G.	July 16	31.7 July 12, 28	17.2 Feb. 8	—1.1 Feb. 8
Cambridge N.I.A.B.	July 16	31.7 July 12	17.2 Feb. 8	—1.1 Feb. 8
Monkswood	July 16	31.1 July 12	16.7 Feb. 8	—1.1 Feb. 8
Wyton	July 16	32.3 July 12	17.0 Feb. 8	—1.4 Feb. 8
Woburn	July 16	30.6 July 20, 24, Aug. 10, 19	16.1 Feb. 15	—1.1 Feb. 8
Sitoe	July 16	31.1 July 20, Aug. 10, 19	16.1 Feb. 8	—1.1 Feb. 8
Cardington	July 16	31.6 July 24, Aug. 10	15.9 Feb. 8	—1.0 Feb. 8
Luton	July 16	31.1 July 12	16.3 Feb. 15	—2.0 Feb. 8
St. Albans	July 16	31.1 Aug. 10, 19	16.7 Feb. 15	—1.1 Feb. 8
Aldenham School	July 16	31.1 July 20, Aug. 10, 19	16.7 Feb. 8	—0.6 Feb. 8
Garston	July 16	30.9 July 20	16.7 Feb. 15	—1.4 Feb. 8, 9
Rothamsted	July 16	30.0 Aug. 10, 19	16.1 Feb. 8	—1.7 Feb. 8
Letchworth	July 16	32.8 Aug. 10, 19	16.7 Feb. 15	—1.1 Feb. 8
Stanstead Abbots	July 16	31.7 July 20, Aug. 10, 16, 19	16.7 Feb. 15	0.0 Feb. 8
Hoddesdon	July 16	31.7 Aug. 10, 19	17.2 Feb. 8	—0.6 Feb. 8, 9
Eastwick Lodge	July 16	31.7 Aug. 19	17.8 Feb. 15	0.0 Feb. 8
Harlow	July 16	30.6 July 15	18.3 Feb. 15	—0.6 Feb. 8, 9
Stansted	July 16	30.9 Aug. 10	17.0 Feb. 8	—1.8 Feb. 8
Writtle	July 16	31.7 June 16, Aug. 19	16.7 Feb. 8	—1.7 Feb. 8
Southend	July 16	30.0 July 12, Aug. 10	18.9 Feb. 8	—0.6 Feb. 8
Maldon	July 16	31.1 Aug. 10	18.3 Feb. 8, 15	—0.6 Feb. 8
Earls Colne	July 16	30.6 Aug. 10	17.2 Feb. 8	—0.6 Feb. 8
Shoeburyness	July 16	30.5 July 28	18.7 Feb. 8	—0.6 Feb. 8
Clacton	Aug. 4	26.7 Aug. 10	19.4 Feb. 8	—1.1 Feb. 8
Walton-on-Naze	July 16	28.5 Aug. 11	19.0 Feb. 8	—1.0 Feb. 8
Dovercourt	July 16	29.4 Aug. 10	18.3 Feb. 8	—1.1 Feb. 18
4 MIDLAND COUNTIES				
Slaidburn	July 15	26.7 Aug. 10	16.1 Feb. 15	—3.9 Feb. 16
Malham Tarn	Aug. 12	25.6 July 16, Aug. 9, 10, 11	14.4 Feb. 7	—5.0 Feb. 8
Huddersfield Oaks	July 16	30.0 July 16	16.3 Feb. 7	—2.5 Feb. 8
Bradford	July 16	28.3 July 21	16.7 Feb. 7	—2.8 Feb. 8, 16
Ilkley	July 16	28.9 July 23	16.1 Feb. 15	—1.7 Feb. 16
Sheffield	July 16	29.4 July 16	17.2 Feb. 7, 15, Nov. 28	—1.1 Feb. 9
Pontefract	July 16	28.9 July 21, 23	16.1 Feb. 7, 15	—1.7 Feb. 8, 15
Bramham	July 16	28.9 July 2, 12, Aug. 10	15.6 Feb. 15	—2.2 Feb. 15
Cawood	July 14	31.1 Aug. 10	16.7 Feb. 15	—1.7 Feb. 17
Askham Bryan	July 16	28.9 Aug. 10	16.1 Feb. 15, 16, Nov. 28	—0.6 Feb. 16
Buxton	July 16	26.7 July 16, Aug. 9	15.6 Feb. 15	—3.9 Feb. 16, 17, 18
Ashover	July 16	28.3 July 12, 16, Aug. 9, 10	15.6 Feb. 7	—1.7 Feb. 15
Derby	July 16	31.1 July 12, 20, Aug. 9	16.7 Feb. 15	0.0 Feb. 8
Morley	July 16	30.0 July 1	16.7 Feb. 7, 15	—0.6 Feb. 8
Wingerworth	July 16	28.9 July 12, 15	16.7 Feb. 15	—2.2 Feb. 15
Sutton Bonington	—	— July 12, Aug. 11, 19	16.7 Feb. 8, 15 Nov. 28, Dec. 28	0.0 Feb. 8 —1.1
Watnall	July 16	30.7 July 12	16.4 Feb. 15, Nov. 28	—0.7 Feb. 8
Mansfield	July 16	31.1 July 16, Aug. 11	17.8 Feb. 15	—1.7 Feb. 17
Nottingham	July 16	31.1 Aug. 10	17.8 Feb. 15	—0.6 Feb. 8
Warsop	July 16	30.6 July 12	16.1 Feb. 15, 16	—0.6 Feb. 15
Finningley	July 16	31.0 Aug. 10	16.7 Feb. 15	—1.0 Feb. 15
Newtown Linford	July 16	30.6 July 12	16.7 Feb. 15	—0.6 Feb. 8
Caldecott	July 16	31.1 July 12, 24, Aug. 10	15.6 Feb. 8	—0.6 Feb. 8
Bugbrooke Mills	July 16	30.0 July 20, 24	16.1 Feb. 8	—1.1 Feb. 8

DISTRICT AND PLACE		Highest Maximum and date		Highest Minimum and date		Lowest Maximum and date		Lowest Minimum and date	
			°C		°C		°C		°C
4. MIDLAND COUNTIES (contd.)									
Raunds	July 16	31.7	July 12	16.7	Feb. 8	−1.1	Feb. 8		−10.6
Wittering	July 16	32.5	July 18	17.7	Feb. 8	−1.6	Feb. 8		−10.4
Birmingham K.E.S.	July 14, 15, 16	27.8	July 20, Aug. 11	16.7	Feb. 15	−1.7	Feb. 8		−9.4
Edgbaston	July 16	29.1	July 16	16.9	Feb. 15	−1.2	Feb. 8		−7.8
Luddington	July 16	31.1	July 20	16.7	Feb. 15	−0.6	Feb. 8		−9.4
Stratford-on-Avon	July 16	31.1	July 20	16.7	Feb. 15, Nov. 28	0.0	Feb. 9		−11.1
Elmdon	July 16	30.3	July 20	16.6	Feb. 15	−0.4	Feb. 8		−10.1
Shipston-on-Stour	July 16	30.6	July 12, 20	16.1	Feb. 15	−0.6	Feb. 8		−8.3
Wellesbourne	July 16	31.7	July 12, 20	16.7	Feb. 15	0.0	Feb. 8		−7.8
Coventry	July 16	29.4	July 19	16.1	Feb. 15	−1.7	—		—
Moreton Morrell	July 16	31.1	July 20	16.7	Feb. 15, Nov. 28	−0.6	Feb. 8		−9.4
Rugby	July 16	31.1	July 12, 20, Aug. 10	16.1	Feb. 15	−1.1	Feb. 8		−11.1
Brize Norton	July 16	31.1	Aug. 19	17.2	Feb. 15	−0.4	Feb. 8		−7.7
Oxford	July 16	31.1	Aug. 19	17.8	Feb. 15	−0.6	Feb. 8		−6.1
Shirburn M.F.	July 16	30.6	July 24	16.7	Feb. 15	0.0	Feb. 8		−8.9
Medmenham	July 16	30.6	July 20	16.7	Feb. 15	0.0	Feb. 8, 9		−8.9
Grendon Underwood	July 16	30.6	Aug. 19	16.7	Feb. 15	−0.6	Feb. 8, 9		−9.4
Aylesbury	July 16	30.0	July 24	16.7	—	—	Feb. 8		−9.4
Keele	July 16	27.2	Aug. 10, 11	16.1	Feb. 15	−1.7	Feb. 8		−10.0
Oaken	—	—	—	—	Feb. 15	−1.1	Feb. 8, 9		−11.7
Stone	July 16	28.3	July 16, Aug. 11	15.6	Feb. 15, 16	−1.1	Feb. 8		−15.6
Penkridge	July 16	28.9	July 20	16.1	Feb. 16	−0.6	Feb. 9, 16		−9.4
Oswestry	July 14, 15	26.7	July 12	16.1	Feb. 15	−2.8	Feb. 16, 22		−7.2
Shrewsbury	July 15, 16	28.3	July 12, 20, Aug. 11	16.7	Feb. 15, 17	−0.6	Feb. 16		−11.1
Shawbury	July 15	28.5	July 11, Aug. 2	16.3	Feb. 15	−1.3	Feb. 8		−12.9
Clee Hill	July 15	24.1	July 16	15.9	Feb. 15	−5.4	Feb. 8		−10.0
Newport	July 16	28.9	July 12, Aug. 2, 11	16.1	Feb. 15	−0.6	Feb. 16		−16.7
Malvern	July 15	28.9	July 12, 20, 23	16.7	Feb. 15	−0.6	Feb. 8		−5.6
Pershore	July 16	29.4	July 17	19.4	Feb. 15	0.0	Feb. 8		−8.3
Coll. of Hort.	—	—	—	—	—	—	—		—
Ipsley Swgcs. Wks.	July 16	31.1	July 12, 20	16.7	Feb. 15, Dec. 28	0.0	Feb. 8		−8.3
Lyonshall	July 15	27.2	July 21, Aug. 18	15.6	Feb. 15	−2.2	Feb. 8, 16		−7.2
Ross-on-Wye	July 14	28.4	July 20	16.7	Feb. 15	−0.1	Feb. 8		−6.9
Preston Wynne	July 14, 16	28.3	July 20	16.1	Feb. 15, Dec. 18	−0.6	Feb. 8		−9.4
Filton	July 15	28.5	Aug. 19	17.2	Feb. 15	−0.6	Feb. 16		−6.5
Hempstead	July 15	28.9	July 20, 23	16.7	Feb. 15	0.0	Feb. 3, Nov. 30		−7.2
Gloucester	July 15	29.8	July 16	17.8	Feb. 15	0.1	Feb. 17		−6.9
Cheltenham	July 16	30.0	July 16	17.8	Feb. 13, 15	−0.6	Feb. 8		−7.8
Cirencester	July 16	29.4	Aug. 19	16.1	Feb. 15	−1.1	Feb. 8		−8.9
Little Rissington	July 16	29.6	Aug. 10	16.6	Feb. 15	−1.9	Feb. 8		−8.5
5 ENGLAND, S.E.									
Kensington Palace	July 16	31.1	Aug. 10	18.3	Feb. 15	0.0	Feb. 8		−6.7
Hampstead	July 16	31.0	Aug. 10, 11	17.8	Feb. 15	−0.6	—		—
St. James' Park	July 16	31.7	Aug. 9	19.4	Feb. 15	0.0	Feb. 8		−6.1
Greenwich	July 16	31.1	July 22, Aug. 10	18.3	Feb. 15	−0.6	Feb. 16		−7.8
Heathrow	July 16	31.8	July 28	17.9	Feb. 15	0.0	Feb. 8		−6.8
Hampton	July 16, Aug. 11	30.0	July 28	18.3	Feb. 15	0.0	Feb. 8		−6.1
Southgate	July 16	31.1	Aug. 10	17.8	Feb. 8, 15	0.0	Feb. 8		−8.3
Kew	July 16	31.3	July 20	17.5	Feb. 15	0.2	Mar. 7		−7.8
Waddon	—	—	July 28, Aug. 10	17.8	—	—	Feb. 8		−7.2
Addington	July 16	29.4	July 28, Aug. 10, 11	17.2	Feb. 15, Dec. 31	−1.1	Feb. 8		−8.3
Gatwick	Aug. 10	28.6	Aug. 10	17.3	Feb. 15	−0.2	Dec. 1		−8.8
Wisley	July 16	30.6	July 20, Aug. 12	17.2	Dec. 31	0.0	Feb. 8, Nov. 30		−6.7
Mickleham	Aug. 11	29.4	July 20, Aug. 10	16.7	—	—	Feb. 15, 16, Nov. 30		−8.9
Dartford	July 16	31.7	July 23	19.4	Feb. 15	0.0	Feb. 15		−6.7
Hadlow College	Aug. 11	30.0	July 20	17.2	Feb. 15	0.0	Feb. 8, Dec. 1		−7.2
Gillingham	July 16	30.6	July 2, Aug. 10	17.8	Nov. 30	−0.5	Feb. 8, 15		−7.2
Isle of Grain	July 16	30.6	Aug. 10	20.0	Feb. 8	−1.1	Feb. 8		−6.1
Faversham	July 16	30.0	July 20	16.7	Feb. 8, 15	−1.1	Feb. 15		−9.4
Dungeness	July 11, Aug. 12	25.2	Aug. 10	18.0	Feb. 15	−0.5	Feb. 18		−9.0
Wye	Aug. 11	29.6	Aug. 10	17.3	Feb. 8, 15	−1.1	Feb. 14		−9.4
Whitstable	July 16	30.6	July 3, 20, 21, 24, 25, Aug. 10, 12, 19	17.2	Feb. 8, 15	0.0	Feb. 15		−7.2
Folkestone	Aug. 10	27.2	Aug. 10	20.0	Feb. 8	−1.1	Feb. 8		−6.7
Elmstone	July 16	30.6	July 25	16.7	Feb. 14	−0.6	Feb. 9		−6.7
Herne Bay	July 16	32.2	Aug. 10	18.3	Feb. 8	−0.6	Feb. 8, 9		−5.0
Dover	—	—	July 15, 16, Aug. 10, 12, Sept. 12	17.8	—	—	Feb. 9		−7.2
Deal	July 16	29.6	Aug. 8	18.1	Feb. 8	−1.0	Feb. 8		−6.2
Manston	July 16	29.4	Aug. 10	19.0	Feb. 8, 15	−1.0	Feb. 8		−6.2
Margate	July 16	30.0	Aug. 10	20.0	Feb. 8, Dec. 19	1.1	Feb. 8		−4.4
Goudhurst	July 16	29.4	July 20, 29, Aug. 12	16.7	Feb. 8, 15	−0.6	Feb. 15		−10.6
East Malling	July 16, Aug. 10	30.0	July 20	17.2	Feb. 8, 15	−0.6	Feb. 15		−8.3
Throwley	July 16, Aug. 10	28.9	July 2, 16, 20, 29, Aug. 19	15.6	Feb. 15, 16	−1.1	Feb. 15		−8.9
Thorney Island	Aug. 11	26.7	Aug. 19	17.4	Dec. 31	1.0	Feb. 16		−5.4
Bognor Regis	July 11	26.7	Aug. 9, 10	17.8	Feb. 15	0.0	Feb. 8		−6.1
Fernhurst	Aug. 11	29.3	July 20	16.8	Feb. 15	0.0	Feb. 8		−8.9
Littlehampton	July 11	27.8	Aug. 10	18.3	Feb. 15	0.0	Feb. 8		−6.1
Rustington	July 11, 13	26.7	Aug. 10	18.3	—	—	Feb. 8, Dec. 6		−6.1
North Heath	Aug. 11	30.6	July 20, Aug. 12 Sept. 11	16.7	Feb. 15	0.0	Dec. 1		−8.3
Worthing	July 11	26.7	Aug. 10	20.0	Feb. 15, Dec. 31	0.6	Feb. 8		−5.6
Brighton	July 11	27.2	Aug. 10	19.4	Dec. 31	0.6	Feb. 18		−5.6
Plumpton	Aug. 10, 11	28.9	Aug. 10	17.8	Feb. 15	−1.1	Feb. 8		−7.8
Wakehurst Place	Aug. 11	28.3	Aug. 10	17.8	Feb. 8, 15	−0.6	Feb. 8, 9, 15		−6.7
East Hoathly	Aug. 11	28.8	Aug. 12	16.7	Feb. 8, 15	0.1	Nov. 29		−8.5
Eastbourne	July 11, Aug. 10	26.1	Aug. 10	19.4	Feb. 8, 15	0.0	Feb. 8		−5.6
Eastbourne C.G.	July 16	26.3	Aug. 10	18.7	Feb. 15	−0.5	Feb. 8		−7.0
Bexhill	July 11 Aug. 9, 11	26.1	Aug. 10	18.9	Feb. 15	0.0	Feb. 8		−7.2
Bodiam	July 16	30.0	July 20, 25	16.7	Feb. 15	−1.1	Feb. 8		−10.6
Hastings	Aug. 9	27.2	Aug. 10	19.4	Feb. 8, 15	−0.6	Feb. 8		−6.7
Letcombe Regis	July 16	30.0	Aug. 19	16.1	Feb. 15	−0.6	Feb. 8, 15, Nov. 30		−7.2
Abingdon	July 16	30.7	Aug. 19	17.2	Feb. 15	−0.1	Feb. 8		−7.6
Wallingford	July 16	30.0	July 24	17.2	Feb. 15	0.0	Nov. 30		−8.3



Table V (continued)

DISTRICT AND PLACE	Highest Maximum and date	Highest Minimum and date	Lowest Maximum and date	Lowest Minimum and date
5 ENGLAND, S.E. (contd.)	°C	°C	°C	°C
Shinfield	July 16 30.0	July 24 17.8	Feb. 15 -0.6	Feb. 8 -7.2
Reading	July 16 30.6	July 24 17.8	Feb. 15 -0.6	Feb. 8 -6.7
Finchampstead	July 16 30.0	Aug. 12 16.7	Feb. 15 -0.6	Feb. 8 -9.4
Hurley	July 16 31.1	July 20, Aug. 12 16.7	Feb. 15 -0.6	Feb. 8 -6.7
Bracknell	July 16 30.2	July 24 17.8	Feb. 15 -0.2	Feb. 8 -7.5
Bournemouth	July 15 26.7	Aug. 8, 19 17.2	Dec. 31 0.0	Feb. 16 -5.4
Hurn	July 16 27.0	Aug. 19 17.4	Dec. 31 0.1	Feb. 16 -7.7
Christchurch	July 12 27.2	Aug. 12 18.3	Dec. 31 0.6	Feb. 16 -6.1
Everton	July 15 27.2	Aug. 8, 19 17.2	Feb. 3 1.1	Feb. 16, Mar. 8 -5.0
Southampton	July 15, 16, Aug. 11 28.2	July 28 17.5	Dec. 31 0.5	Feb. 8 -5.3
Leckford	Aug. 11 29.4	Aug. 19 16.7	Feb. 15 -0.6	Feb. 8 -7.8
Martyr Worthy	July 16 28.9	Aug. 12 16.7	Dec. 31 -0.5	Feb. 8 -8.3
Southsea	July 12 28.3	Aug. 9 18.9	Dec. 31 1.1	Feb. 8 -5.0
Hayling Island	July 11 27.8	Aug. 19 17.8	Feb. 15, Dec. 31 0.6	Feb. 8 -5.0
Long Sutton	July 16 28.3	July 16 16.7	Dec. 31 -1.1	Feb. 8 -7.8
Alice Holt Lodge	July 16, Aug. 11 28.3	Aug. 12 16.7	Feb. 15 -1.1	Feb. 8, 15 -7.2
S. Farnborough	July 16 30.6	Aug. 12 17.5	Feb. 15 -0.4	Feb. 8 -8.9
St. Catherine's Point	July 24 25.5	Aug. 9, 10 17.0	Feb. 15, Dec. 31 0.5	Feb. 8 -6.5
Ventnor	July 11 25.6	Aug. 9 17.8	Feb. 15 0.0	Feb. 8 -5.0
Shanklin	Aug. 10 26.1	July 20, Aug. 12, 19 Sept. 11 16.7	Feb. 15, Dec. 31 0.0	Feb. 8 -5.0
Sandown	July 11 27.2	Aug. 9 18.9	Dec. 31 0.6	Feb. 8 -4.4
Ryde	July 16 27.2	Aug. 9 18.3	Feb. 15 -0.6	Feb. 8 -3.9
Lacock	July 16 29.4	July 23 19.4	Feb. 15 0.6	Nov. 30 -10.0
Lynham	July 16 28.8	Aug. 19 16.1	Feb. 15 -1.4	Feb. 4, 8, 16 -7.0
Larkhill	July 16 28.7	Aug. 12, 19 16.6	Feb. 15 -1.2	Feb. 16 -7.8
Boscombe Down	July 16 28.5	July 24, Aug. 19 16.6	Feb. 15 -1.0	Feb. 8 -6.5
Upavon	July 16 29.1	July 24, Aug. 10 16.4	Feb. 15 -1.3	Feb. 3 -7.6
Porton	July 16 28.5	Aug. 19 16.1	Dec. 31 -0.6	Feb. 15 -7.0
7a ENGLAND, N.W.				
Sellafeld	July 15 25.6	—	Feb. 7 -2.2	Dec. 12 -9.4
Carlisle	July 15 28.1	July 16 18.4	Feb. 7 -2.5	Feb. 16 -13.6
Newton Rigg	July 15 26.7	Aug. 9, 10 16.7	Feb. 16 -3.3	Feb. 16 -20.0
Spadedam	July 15 25.9	Aug. 10 16.1	Feb. 7 -5.6	Feb. 16 -15.0
Ambleside	July 15 27.8	Aug. 10, 11 17.2	Feb. 7 -2.2	Feb. 16 -13.3
Great Dun Fell	June 12 22.8	Aug. 11 14.2	Feb. 7 -9.5	Feb. 8 -13.5
Moor House	July 15 23.3	Aug. 10 13.9	Feb. 7 -7.2	Feb. 16 -18.3
Squires Gate	July 15 28.5	Aug. 9 17.1	Feb. 15 -1.8	Feb. 17 -13.2
Aigburth	July 15 28.0	July 16 17.8	Feb. 15 -1.1	Feb. 18 -8.9
Southport	July 15 27.2	July 16, Aug. 9 16.7	Feb. 15 -1.7	Feb. 16 -16.1
Poulton-le-Fylde	July 15 29.4	July 16 17.8	Feb. 7, 16, Dec. 27 -1.1	Feb. 16 -15.0
Grizedale	July 15 27.2	Aug. 10 16.1	Feb. 15 -1.7	Feb. 16 -13.9
Speke	July 15 28.3	July 16 16.8	Feb. 15 -1.1	Feb. 17, 18 -6.8
Kirkham	July 15 28.3	July 16, Aug. 9 16.7	Feb. 7, 15 -1.7	Feb. 16 -15.0
Bailrigg	July 15 27.6	July 16 18.7	Feb. 7 -2.7	Feb. 9 -10.1
Morecambe	July 15, 16, Aug. 7, 8 27.8	July 16 19.4	Feb. 7 -2.2	Feb. 16 -7.2
Preston	July 15 28.9	July 16 18.9	Feb. 7, 15 -1.1	Feb. 16 -13.3
Bolton	July 15 27.8	Aug. 8 18.3	Feb. 7, 15 -1.7	Feb. 8 -9.4
Stonyhurst	July 15 27.8	July 16 17.8	Feb. 7 -1.7	Feb. 16 -11.7
Helmsdale	July 15 26.1	Aug. 11 17.2	Feb. 7, 15 -2.8	Feb. 16, 17 -7.8
Burnley	July 15 27.2	July 16, 21, 23 15.0	Feb. 7 -3.9	Feb. 16 -13.3
Nelson	July 15 26.7	July 16 17.2	—	—
Rochdale	July 15 27.8	July 21, Aug. 9, 12 16.1	Feb. 7 -1.7	Feb. 8, 9 -12.2
West Kirby Park	July 15 28.9	July 16 17.2	Feb. 15 -1.1	Feb. 16 -11.7
Bidston	July 15 27.3	July 16 17.2	Feb. 15 -1.7	Feb. 18 -6.1
Ness Gardens	July 15 28.3	July 16, 23, Aug. 9 16.1	Feb. 7 0.0	Feb. 18 -10.0
Winnington	July 15, 16 28.9	July 16, Aug. 11 17.8	Feb. 11 -1.1	Feb. 16 -13.9
Knuttsford	July 16 28.9	July 16 17.2	Feb. 7, 15 -1.1	Feb. 16 -14.5
Ringway	July 15 28.0	July 16 18.4	Dec. 27 -1.8	Feb. 8 -13.1
Macclesfield	July 15 28.3	July 16 18.3	Feb. 15, 16 -1.7	Feb. 8 -12.8
7b NORTH WALES				
Rhyl	July 15 29.4	July 16 17.2	Feb. 15 -1.1	Feb. 16 -10.0
Prestatyn	July 15 28.9	Aug. 9 17.2	Feb. 15, Dec. 17 1.1	Feb. 16 -11.1
Hawarden Bridge	July 15 28.3	Aug. 10 16.7	Feb. 15, Dec. 17, 18 0.6	Feb. 16, 18 -9.4
Valley	July 15 27.6	Aug. 9 16.2	Feb. 15 0.6	Feb. 16 -7.7
Colwyn Bay	July 15 28.3	July 16 18.9	Feb. 15 -1.1	Feb. 16 -8.3
Alwen	July 14 26.1	Aug. 9 14.4	Feb. 15 -3.9	Feb. 16 -16.7
Ruthin	July 15 27.8	Aug. 19 17.2	Feb. 15 -2.2	Feb. 16 -15.0
Loggerheads	July 15 26.8	July 16, 23, Aug. 9 15.0	Feb. 15 -3.3	Feb. 16 -16.8
Bwlchgwyn	June 13, July 14 25.6	July 16 16.1	Feb. 15 -3.8	Feb. 16 -11.1
Wrexham	July 15 29.4	July 16, Aug. 9 17.8	Feb. 15 -1.7	Feb. 19 -8.9
Bardsey Island	July 15 25.6	Aug. 8 16.4	—	—
Botwnnog	July 15 27.8	Aug. 8 15.6	Feb. 15 0.0	Feb. 16 -6.7
Pen-y-Ffridd	July 15 27.8	July 16, Aug. 8 17.8	Feb. 15 0.0	Feb. 18 -6.7
Aber	Aug. 8 27.2	July 16 18.3	Feb. 15 0.0	Feb. 16 -5.6
Trawsfynydd	July 15 28.3	July 16 16.1	Feb. 19, Dec. 31 0.0	Feb. 16 -8.3
Corwen	July 14 28.3	Aug. 8 16.1	Feb. 15 -2.2	Feb. 16 -18.9
Ceiriog	July 14, 15 28.9	July 21 15.6	Feb. 15 0.0	Feb. 16 -11.7
Moel Cynnedd	July 14 25.8	July 20 13.9	Feb. 15 -4.1	Feb. 16 -14.3
Lake Vyrnwy	July 14 26.1	Aug. 9 14.4	Feb. 15 -3.9	Feb. 18 -10.0
8a SOUTH WALES				
Aberporth	July 15 26.9	July 16, Aug. 8 16.5	Feb. 15 -2.3	Feb. 17 -7.0
Gogerddan	July 15 29.4	Aug. 8 18.3	Feb. 15 -0.6	Feb. 3, 4 -8.3
Swyddfrynnon	July 15 28.3	July 16, Aug. 8 16.1	Feb. 15 -2.2	Feb. 17 -10.6
Trawcoed	July 15 28.3	Aug. 8 17.2	Feb. 15 -1.7	Feb. 3, 16, 17 -11.7
Llaly-evan-hen	July 25 26.1	July 16 17.2	Feb. 15 -3.9	Feb. 13 -8.9
Cwmystwyth	July 14, 15 25.6	Aug. 2, 8, 9 15.0	—	—
Dale Fort	July 15 25.0	Aug. 8 16.7	Feb. 15 0.0	Feb. 16 -6.1
Millford Haven C.B.	July 15 25.0	Aug. 8 16.9	Feb. 15 -0.5	Feb. 16 -8.0
Orielton	July 14, (15) 25.0	Aug. 8 16.1	Feb. 15 -1.1	Feb. 16 -9.4
Carmarthen	July 15 27.8	Aug. 8 17.2	Feb. 15, Nov. 30 -1.1	Feb. 17 -13.3
Cenarth Mill	July 14 25.7	Aug. 13 14.6	Feb. 15 -3.0	Feb. 17 -16.0
Llandrindod Wells	July 14 27.8	Aug. 10 16.1	Feb. 15 -2.8	Feb. 17 -10.0

DISTRICT AND PLACE	Highest Maximum and date	Highest Minimum and date	Lowest Maximum and date	Lowest Minimum and date
8a SOUTH WALES, (contd.)	°C	°C	°C	°C
Llwynon	July 15 26.1	Aug. 2 15.0	Feb. 15 -1.7	Feb. 8, 9, 16 -8.3
Mumbles	July 14 24.9	July 15 17.1	Feb. 16 -1.3	Feb. 8 -5.7
Penmaen	July 15 26.1	Aug. 8 16.7	Feb. 15 -1.7	Feb. 16 -7.8
Swansea	July 14, 15, Aug. 7 25.6	July 15, Aug. 8 18.3	Feb. 15 0.6	Feb. 16 -5.0
Port Talbot	July 14, 15 28.3	Aug. 8 18.3	Feb. 15 -0.6	Feb. 16 -6.1
Neath	July 15 27.8	Aug. 8 18.3	Feb. 15 -1.1	Feb. 16 -5.6
Rhoose	July 15 27.4	Aug. 8 16.4	Feb. 15 -0.7	Feb. 16 -6.2
Cardiff	July 15 28.9	Aug. 2 16.7	Dec. 31 0.6	Feb. 8 -5.6
Tredeggar	July 15 26.1	Aug. 8, 9 15.0	Feb. 15 -2.8	Feb. 8 -11.1
Newport	(July 15) 29.4	July 3 17.2	Feb. 15 0.0	Feb. 17 -5.6
Ugk	Aug. 8 28.3	July 2 16.7	Dec. 31 -0.6	Feb. 9 11.7
Crumblant	July 15 26.1	July 16 16.1	Feb. 15 -2.2	Feb. 8 -7.8
8b ENGLAND, S.W.				
Hawkrigge	July 15 24.4	Aug. 9, 19 15.0	Dec. 31 -1.7	Feb. 16, 17 -7.2
Williton	July 15 27.2	Aug. 8 17.2	Feb. 15 -0.6	Feb. 16 -7.8
Comenington	July 15 28.3	Aug. 19 17.2	Feb. 15 0.0	Feb. 16, Mar. 9 -5.6
Weston-s-Mare	July 15 28.3	Aug. 19 18.3	Feb. 15 0.0	Feb. 16 -5.0
Cricketer Matherbie	—	—	Feb. 15, Dec. 31 0.0	Feb. 16 -7.2
Cheddar	—	—	Feb. 15 0.0	Mar. 9 -6.1
Yeovilton	July 15 28.2	Aug. 19 17.5	Jan. 1 -0.3	Feb. 17 -8.1
Rodney Stoke	July 15 27.8	Aug. 8 17.2	Feb. 14, 19 -0.6	Feb. 16, 17 -6.7
Long Ashton	July 15 28.9	Aug. 19 17.2	Feb. 15 -0.6	Feb. 17 -6.1
West Camel	July 15, 23 28.3	Aug. 19 17.2	Dec. 31 0.0	Feb. 16, 17 Nov. 29 -8.3
Wincanton	July 16 27.8	Aug. 19 17.2	Feb. 15, Dec. 31 0.0	Mar. 9 -6.7
Bath C.B.S.	July 16 27.8	July 24 18.3	Feb. 15 -1.7	Feb. 16 -5.6
Portland Bill C.G.	July 24 22.6	Aug. 9 16.4	Feb. 15 -0.5	Feb. 16 -4.0
Weymouth	July 11, 24 20.6	June 13 20.6	Feb. 15, Dec. 31 0.6	Feb. 16 -5.0
Winfrith	July 11, 12 26.7	July 24, Aug. 9, 19 16.7	Dec. 31 0.0	Feb. 14 -6.1
Shaftesbury	July 15, 16, Aug. 10 26.1	July 23, Aug. 12, 19 16.1	Feb. 15 -1.1	Feb. 8, 16 -6.1
Swanage	July 11 26.7	Aug. 8, 9 18.3	Dec. 31 0.6	Feb. 8, 16, 17 -4.4
Poole	July 15, Aug. 10 26.7	July 24, Aug. 3, 19 17.2	Dec. 31 0.0	Feb. 9 -6.7
Virginstown	—	July 16 15.5	Feb. 15 -0.8	Feb. 16 -10.6
Hartland Point	July 15 25.8	Aug. 8 16.6	Feb. 15 -1.4	Feb. 16 -3.0
Mount Batten	July 14 26.2	Aug. 8 16.6	Dec. 31 0.9	Feb. 17 -5.0
Plymouth, The Hoe	July 14 26.1	Aug. 8 17.2	Dec. 31 1.1	Feb. 17 -5.0
Tavistock	Aug. 8 27.2	Aug. 8, 19 16.1	Dec. 31 -0.6	Feb. 17 -8.9
Chivenor	July 15 28.2	Aug. 8 16.0	Feb. 15 -0.1	Feb. 17 -7.1
Ilfracombe	July 15 27.8	Aug. 8 18.9	Feb. 15 0.6	Feb. 17 -3.3
Tonnes	June 30, July 11 25.6	Aug. 8, 19 16.7	Dec. 30 0.6	Dec. 1 -5.6
Cheldon Barton	July 13 25.5	Aug. 19 16.2	Feb. 15 -2.4	Feb. 17 -11.5
Slapton	July 11 25.6	Aug. 25 19.4	Feb. 13, 15, 16 2.2	Feb. 8 -5.6
Newton Abbot	July 12 25.0	Aug. 19 16.7	Dec. 31 0.0	Feb. 16 -6.1
Torbay (Torquay)	July 11 26.1	Aug. 19 17.6	Dec. 31 1.2	Feb. 8 -4.5
Teignmouth	July 11 26.1	July 24, Aug. 9, 19 16.7	Dec. 31 1.1	Feb. 16 -4.4
Starcross	July 16 28.1	Aug. 19 17.8	Feb. 15, 16, 19 1.7	Feb. 16, 17 -5.6
Exmouth	July 12 25.6	Aug. 8, 19 17.2	Dec. 31 0.0	Feb. 16 -6.7
Exeter	July 16 27.2	Aug. 8 17.3	Feb. 15 0.0	Feb. 17 -8.4
Sidmouth	July 12 25.6	Aug. 8 17.8	—	—
Scilly	Aug. 17 22.1	Aug. 8 16.0	Dec. 31 2.8	Feb. 15 0.0
Penzance	Aug. 8 24.4	Aug. 19 16.7	Dec. 31 1.7	Feb. 17 -4.4
Gulval	July 14, 15 25.0	July 20, Aug. 19 17.2	Dec. 31 1.7	Feb. 16, 17 -3.3
Culdrose	Aug. 8 24.7	Aug. 19 16.2	Feb. 16 1.4	Feb. 17 -6.8
Rosewarne	Aug. 8 25.6	July 15, Aug. 11 16.1	Dec. 31 0.6	Feb. 17 -6.1
Lizard	July 15 26.5	Aug. 9, 11 16.0	Dec. 31 1.8	Feb. 8, 18 -2.5
Falmouth	June 13, 30 Aug. 8 23.3	Aug. 19 16.7	Dec. 31 1.7	Feb. 17 -5.0
Newquay	July 14, 15 26.1	Aug. 19 16.7	Dec. 31 0.6	Feb. 16 -7.2
St. Mawgan	July 15 26.3	July 15 16.4	Dec. 31 0.2	Feb. 12 -8.5
St. Austell	June 9 23.9	July 15, Aug. 9 16.1	Dec. 31 0.6	Feb. 16 -5.6
Fowey	July 14, 15 24.4	Aug. 8, 9, 11, 19 16.7	Dec. 31 2.2	Feb. 16, 17 -5.6
Bude	July 15 27.8	Aug. 9, 18, 19 16.7	Feb. 15 -1.1	Feb. 16 -11.1
Ellbridge	July 14 26.1	Aug. 8, 19 16.7	Dec. 31 0.6	Feb. 17 -7.2
NORTHERN IRELAND				
Loughmore Forest	July 14 25.5	July 22 16.2	Feb. 8 -0.5	Feb. 16 -12.6
Ballykelly	July 14 25.9	July 22 18.0	Feb. 7 -1.4	Feb. 16 -8.6
Derrynoyd Forest	July 14 26.0	July 22 16.9	Feb. 2 1.0	Feb. 16 -11.2
Somersett Forest	July 15 25.0	July 22 16.5	Feb. 7, 15 0.0	Feb. 16 -10.0
Garvagh Forest	July 14, 15 25.0	July 22 17.2	Feb. 7 -1.7	Feb. 16 -9.4
Moneydig	July 15 25.0	July 22 17.1	Feb. 7 -1.6	Feb. 16 -12.9
Ballymoney	July 15 25.1	July 22 16.1	Feb. 2 1.1	Feb. 16 -10.6
Lisnafillan	July 15 25.0	July 22 17.2	Mar. 11, 12, 23 -2.8	Feb. 16 -13.3
Aldergrove	July 15 25.2	July 22 17.2	Feb. 7 -2.5	Feb. 17 -10.3
Greenmount	July 14, 15 25.0	July 22 17.2	Feb. 7 -1.1	Feb. 16 -13.3
Altnahinch	July 15 23.9	July 22 15.6	Feb. 7 -2.2	Feb. 16 -8.9
Parkmore Forer	July 14 22.8	July 22, Aug. 8 15.6	Feb. 7 -1.7	Feb. 15 -9.4
Black Mountain	July 15 23.0	July 22 15.0	Feb. 7 -2.7	Feb. 16 -7.8
Lowtown	July 14 22.8	July 22 15.6	Feb. 7 -2.2	Feb.



Table V (continued)

DISTRICT AND PLACE	Highest Maximum and Date	°C	Highest Minimum and date	°C	Lowest Maximum and date	°C	Lowest Minimum and date	°C
Killough	July 10, 11	23.6	July 11	16.2	Feb. 7	-0.4	Feb. 16	-7.2
Armagh	July 15	26.1	July 22	17.2	Feb. 7	-1.1	Feb. 16	-10.6
Loughgall	July 14, 15	25.6	July 22	17.2	Feb. 7	-2.2	Feb. 16	-12.8
Portadown	July 15	26.1	July 22	17.8	Feb. 7	-0.6	Feb. 16	-10.6
Lurgan	July 15	25.6	July 22	17.2	Feb. 7	-1.7	Feb. 16	-11.1
Lough Bradan	July 14	25.6	July 22	15.6	Feb. 7	-2.8	Jan. 6, 7	-10.0
Baronscourt Forest	July 14	26.8	July 22	17.1	Feb. 2, 15	1.0	Jan. 6, Feb. 16	-10.8
Strabane Convent	July 14	28.8	July 22	16.9	Feb. 15	0.6	Feb. 16	-10.3
Carrigans	July 14	26.4	July 22	16.5	Feb. 7	-3.0	Jan. 6	-11.3
Lislap Forest	July 14	25.0	July 16	15.0	Feb. 7	-2.8	Jan. 6	-11.7
Knockmany Forest	July 14	26.4	July 22	15.2	Feb. 7	-1.4	Feb. 15, 17	-11.8
Pomeroy Forest	July 14, 15	23.9	July 22	16.1	Feb. 7	-3.3	Feb. 9	-7.8
Cookstown	June 12, July 14, 15	24.4	July 22	16.7	Feb. 7	-2.2	Feb. 16	-10.0
Roscor	July 15	26.6	July 22	15.6	Feb. 7	-1.5	Feb. 16	-7.5
Lough Navar Forest	July 14	26.5	July 21	16.4	Feb. 7	-2.2	Feb. 16	-10.5
C. Archdale Forest	July 15	25.6	July 22, Aug. 8	16.7	Feb. 7	-1.7	Feb. 9	-11.1
Lisnaskea	July 14	27.2	July 22	16.7	Feb. 7	-2.2	Feb. 9	-11.1
Pubble Forest	July 15	26.9	July 22	16.3	Feb. 7	-0.5	Jan. 6	-9.5
CHANNEL ISLES								
Guernsey Airport	Aug. 8	28.6	Aug. 8	18.4	Feb. 15	1.1	Feb. 15	-2.6
Guernsey L'Ancrese	Aug. 8	28.3	Aug. 8	17.8	Dec. 28	1.7	Feb. 15	-1.7
Alderney	Aug. 8	26.7	Aug. 10	18.9	Feb. 15, Dec. 28	1.7	Feb. 8, 15	-1.7
Jersey Airport	Aug. 8	30.9	Aug. 8	19.4	Dec. 28	-0.1	Feb. 15	-3.7
Jersey St. Helier	Aug. 8	30.6	July 16, Aug. 8	20.0	Dec. 28	0.0	Feb. 15	-2.8

TABLE VI:—NUMBER OF DAYS ON WHICH THE DURATION OF SUNSHINE WAS BETWEEN GIVEN LIMITS IN EACH MONTH OF 1969

STATION	JANUARY					FEBRUARY					MARCH					APRIL					MAY					JUNE				
	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	> 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	> 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	> 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	> 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	> 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	> 9.0 hr.
Lerwick	20	9	2	0	0	6	13	7	2	0	8	11	4	7	1	3	11	7	6	3	10	7	7	4	3	3	7	5	6	9
Stornoway	16	11	4	0	0	4	10	11	3	0	2	9	11	5	4	2	6	6	7	9	4	13	3	4	7	2	5	6	7	10
Craibstone	13	11	7	0	0	7	14	3	4	0	10	8	4	6	3	4	8	5	9	4	10	6	6	4	5	1	6	8	3	12
Rothsay	17	13	1	0	0	8	11	6	3	0	10	8	5	4	4	1	5	6	5	13	3	8	9	4	7	2	7	5	4	12
Abbotsinch	14	15	1	1	0	7	13	4	4	0	12	8	3	8	0	3	8	7	4	8	6	8	8	4	5	3	6	7	1	3
Eskdalemuir	20	7	4	0	0	6	8	8	6	0	16	6	3	2	4	4	7	4	7	8	7	12	7	4	1	2	7	6	4	11
Douglas	17	9	4	1	0	9	7	5	7	0	10	11	0	5	5	3	5	2	4	16	3	7	7	6	8	0	6	5	3	16
Acklington	14	7	8	2	0	10	6	6	6	0	16	6	3	3	3	4	7	4	7	8	7	7	5	7	5	1	5	6	8	10
Gorleston	14	14	2	1	0	9	12	5	2	0	14	7	3	5	2	1	5	6	7	11	1	6	8	7	9	1	4	3	7	15
Cambridge (N.I.A.B.)	12	17	1	1	0	11	6	4	7	0	13	10	3	4	1	1	6	8	9	6	1	7	8	12	3	1	4	2	8	15
Edgbaston	14	13	3	1	0	15	5	8	0	0	15	10	1	4	1	0	9	4	10	7	2	14	8	6	1	1	4	4	7	14
Kew	10	16	5	0	0	7	13	2	6	0	12	11	2	4	2	0	6	5	11	8	2	5	14	5	5	1	2	4	8	15
Hastings	14	14	3	0	0	8	10	3	7	0	12	9	2	4	4	2	6	4	6	12	3	5	8	6	9	2	1	5	5	17
Southampton	12	11	8	0	0	7	10	5	6	0	9	14	2	1	5	1	5	6	7	11	3	6	8	8	6	1	3	3	3	20
Stonyhurst	21	7	3	0	0	7	14	3	4	0	15	6	6	2	2	5	1	8	5	11	7	10	6	6	2	0	5	5	7	13
Bidston	16	8	7	0	0	11	11	2	4	0	13	8	3	5	2	2	4	6	5	13	5	9	5	6	6	1	3	7	3	16
Valley	16	12	3	0	0	6	14	7	1	0	9	5	5	7	5	3	4	4	5	14	4	7	3	10	7	2	2	3	4	19
Falmouth	9	16	3	3	0	5	11	7	5	0	10	13	2	2	4	3	3	5	7	12	5	7	5	5	9	1	3	2	4	20
Aldergrove	17	12	2	0	0	5	14	7	2	0	11	9	4	4	3	3	5	5	7	10	4	8	7	4	8	2	7	5	3	13
Armagh	15	12	4	0	0	3	16	8	1	0	13	6	5	6	1	3	8	3	6	10	2	14	7	3	5	2	7	7	6	8



Table VI (continued)

STATION	JULY					AUGUST					SEPTEMBER					OCTOBER					NOVEMBER					DECEMBER				
	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	> 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	> 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	> 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	> 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	> 9.0 hr.	Sunless	0.1 - 3.0 hr.	3.1 - 6.0 hr.	6.1 - 9.0 hr.	> 9.0 hr.
Lerwick	2	17	3	5	4	4	10	3	6	8	6	12	7	3	2	9	15	6	1	0	7	19	4	0	0	18	12	1	0	0
Stornoway	5	9	11	3	3	2	13	6	2	8	5	12	3	7	3	9	14	6	2	0	10	18	1	1	0	11	17	3	0	0
Craibstone	2	8	7	6	8	2	7	8	8	6	6	11	5	5	3	4	15	9	3	0	5	13	7	5	0	13	14	4	0	0
Rothsay	4	6	5	6	10	2	10	2	8	9	9	10	4	4	3	10	12	6	3	0	10	14	4	2	0	23	5	3	0	0
Abbotsinch	2	11	5	6	7	3	7	5	7	9	8	8	5	5	4	6	14	9	2	0	9	14	4	3	0	16	12	3	0	0
Eskdalemuir	7	5	8	4	7	4	6	7	10	4	7	12	4	4	3	8	12	7	4	0	8	15	5	2	0	16	10	4	1	0
Douglas	2	8	7	2	12	4	5	9	6	7	3	11	7	4	5	11	10	4	5	1	6	10	10	4	0	15	10	5	1	0
Acklington	3	10	3	5	10	1	10	9	6	5	8	10	6	5	1	4	14	5	5	3	8	10	7	5	0	13	14	3	1	0
Gorleston	3	6	5	4	13	3	10	5	6	7	4	10	4	7	5	4	9	9	9	0	7	14	3	6	0	19	11	1	0	0
Cambridge (N.I.A.B.)	4	3	9	3	12	3	12	8	6	2	5	8	8	6	3	5	10	11	5	0	5	18	4	3	0	21	7	3	0	0
Edgbaston	4	2	9	3	13	2	14	6	7	2	8	11	5	2	4	8	9	8	6	0	7	12	9	2	0	13	13	5	0	0
Kew	4	2	4	9	12	3	6	12	6	4	5	8	8	8	1	5	8	7	10	1	7	13	5	5	0	21	8	1	1	0
Hastings	2	4	6	7	12	2	6	7	9	7	1	9	6	8	6	3	9	8	9	2	7	11	7	5	0	17	12	2	0	0
Southampton	2	3	4	7	15	0	8	11	6	6	5	10	7	5	3	4	9	8	10	0	6	11	8	5	0	16	10	5	0	0
Stonyhurst	4	9	7	3	8	4	7	9	7	4	5	12	5	7	1	9	9	6	7	0	10	7	8	5	0	15	9	6	1	0
Bidston	3	4	6	5	13	5	8	8	5	5	7	12	3	5	3	3	16	8	3	1	9	10	9	2	0	14	12	5	0	0
Valley	2	7	7	7	8	3	11	6	4	7	4	12	6	3	5	6	10	4	10	1	7	13	8	2	0	10	14	6	1	0
Falmouth	4	7	4	3	13	0	4	9	1	17	6	8	6	8	2	6	12	5	7	1	5	13	9	3	0	15	10	6	0	0
Aldergrove	1	8	9	7	6	5	5	10	8	3	7	11	4	7	1	5	16	7	3	0	4	17	7	2	0	14	14	3	0	0
Armagh	2	8	9	7	5	2	8	11	6	4	5	13	6	5	1	6	16	7	2	0	7	15	5	3	0	12	14	5	0	0

TABLE VII.—NUMBER OF DAYS WITH RAINFALL BETWEEN GIVEN LIMITS DURING 1969

STATION	0 - 0.1 mm	0.2 - 1.0 mm	1.1 - 5.0 mm	5.1 - 10.0 mm	10.1 - 15.0 mm	15.1 - 20.0 mm	20.1 - 25.1 mm	> 25.1 mm	STATION	0 - 0.1 mm	0.2 - 1.0 mm	1.1 - 5.0 mm	5.1 - 10.0 mm	10.1 - 15.0 mm	15.1 - 20.0 mm	20.1 - 25.1 mm	> 25.1 mm
Lerwick	101	64	116	44	26	10	1	3	Shoeburyness	217	57	63	15	8	0	2	3
Stornoway	124	59	108	52	13	6	3	0	Edgbaston	174	62	78	31	10	5	2	3
Fort William	133	64	79	44	20	11	8	6	Ross-on-Wye	203	56	71	14	12	6	1	2
Nairn	161	105	75	16	7	1	0	0	Kew	221	56	58	21	5	2	0	2
Craibstone	150	81	84	28	14	2	3	3	Hastings	210	53	57	29	7	3	3	3
Leuchars	194	53	75	25	8	5	5	0	Southampton	209	52	52	29	13	4	3	3
Rothsay	153	47	88	46	15	14	1	1	Moor House	68	106	88	50	27	9	9	8
Abbotsinch	170	64	75	32	15	4	4	1	Stonyhurst	171	37	71	38	22	9	5	12
Eskdalemuir	156	59	75	34	25	11	2	3	Bidston	182	56	79	30	9	5	1	3
Douglas	185	52	63	38	14	9	2	2	Valley	177	56	72	42	10	4	2	2
Acklington	197	62	69	17	8	5	4	3	Llandrindod								
Scarborough	209	37	72	32	7	4	2	2	Wells	171	42	78	40	16	5	4	9
Bridlington	178	64	75	28	10	4	2	4	Long Ashton	196	57	68	29	7	5	1	2
Cranwell	206	48	67	28	9	1	2	4	Falmouth	184	46	62	37	14	7	8	7
Gorleston	208	54	61	28	7	4	2	1	Aldergrove	167	60	84	38	10	5	0	1
Cambridge B.G.	231	41	66	13	8	3	2	1	Armagh	158	79	73	39	10	4	1	1

TABLE VIII.—NUMBER OF DAYS WITH MAXIMUM AND MINIMUM TEMPERATURES BETWEEN GIVEN LIMITS DURING 1969

STATION	MAXIMUM TEMPERATURE °C										MINIMUM TEMPERATURE °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	-14.9 to -10.0	-9.9 to -5.0	-4.9 to 0.0
Lerwick	11	75	128	122	29	0	0	0	0	0	8	51	133	124	49	0	0	0	3	54
Stornoway	2	50	125	108	78	2	0	0	0	0	5	57	123	115	65	0	0	0	7	46
Craibstone	5	68	99	94	78	20	1	0	0	2	6	75	122	105	53	2	0	0	3	39
Rothsay	2	56	103	92	93	19	0	0	0	2	35	126	114	83	4		0	0	1	35
Abbotsinch	3	68	80	68	116	27	3	0	0	1	18	56	103	106	76	5	0	0	6	89
Eskdalemuir	9	91	75	90	73	26	1	0	1	2	25	76	103	111	45	2	0	0	3	40
Douglas	2	53	112	102	84	12	0	0	0	0	1	46	106	109	102	1	0	0	2	30
Acklington	4	73	88	82	90	27	1	0	0	2	3	59	124	114	60	3	0	0	1	15
Gorleston	3	62	86	70	119	22	3	0	0	2	31	120	81	103	28		0	0	8	51
Cambridge	5	53	76	58	97	60	14	2	0	1	5	59	105	100	90	5	0	0	7	65

STATION	MAXIMUM TEMPERATURE °C										MINIMUM TEMPERATURE °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	-14.9 to -10.0	-9.9 to -5.0	-4.9 to 0.0
Edgbaston	7	62	75	80	89	44	8	0	0	0	3	54	98	93	103	14	0	0	7	46
Kew	0	50	72	72	92	61	17	1	0	0	7	46	106	98	94	14	0	0	3	39
Hastings	1	35	103	68	105	49	4	0	0	0	3	39	92	94	110	27	0	0	1	35
Southampton	0	24	70	84	92	76	19	0	0	0	1	35	104	100	103	22	0	0	6	89
Stonyhurst	2	71	84	75	94	36	3	0	0	1	6	89	93	87	82	7	0	0	3	40
Bidston	2	58	95	81	99	26	4	0	0	0	3	40	108	87	113	14	0	0	2	30
Valley	0	26	110	85	119	23	2	0	0	0	2	30	91	122	114	6	0	0	1	15
Falmouth	0	22	73	123	117	30	0	0	0	0	1	15	90	134	117	8	0	0	7	65
Aldergrove	5	50	89	79	113	28	1	0	0	1	8	51	108	108	85	4	0	0	3	39
Armagh	1	52	83	79	112	37	1	0	0	1	7	65	101	110	77	4	0	0	6	89



TABLE IX.—SUMMARY OF AUTOGRAPHIC RECORDS OF WIND FOR THE YEAR 1969

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED										Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES						
			Above Mean Sea Level	Above Ground	Effective Height	34 knots or more (Gale force)		22-33 knots		11-21 knots		4-10 knots		Less than 4 knots			No Record	Highest Hourly Wind			Highest Gust		
						No. of Days	Dur. in Hours	No. of days	Duration in Hours				Veer from N	Speed in knots	Hour ended at day hour			Veer from N	Speed in knots	Day and Time			
0	SCOTLAND, N.																						
	Zetland	Lerwick	...	93	10	10	24	101	136	1111	4223	2789	536	0	13.5	300	50	Sept 28 22	300	74	Sept 28 2225		
	Orkney	Kirkwall	...	41	15	10	28	112	177	1597	4501	2155	395	0	15.0	310	54	Sept 28 20	330	118	Feb 7 0915		
	Caithness	Dounreay	...	34	12	9	22	94	152	1343	3935	2609	535	244	13.9	300	69	Sept 28 19	300	>97	Sept 28 1745-2005		
		Wick	...	45	10	10	9	39	119	934	4058	2959	770	0	12.7	220	58	Sept 28 16	230	89	Sept 28 1515		
	Sutherland	Shin	...	24	10	10	1	8	27	92	2247	3651	2692	70	7.1	270	48	Sept 28 17	270	77	Sept 28 1625		
	Ross & Cromarty	Stornoway	...	37	12	11	22	105	159	1185	3419	2546	1505	0	12.2	220	61	Sept 28 15	230	78	Sept 28 1510		
	Inverness	Benbecula	...	16	10	10	11	61	135	946	4279	2871	603	0	12.9	270	51	Sept 28 14	270	80	Sept 28 1245		
		Fort Augustus	...	58	16	16	1	1	13	44	1661	3625	3365	64	6.0	220	35	Sept 28 12	220	60	Sept 28 1110		
		Dalcross	...	19	10	10	2	7	36	107	3195	3591	1796	64	8.8	230	39	Sept 28 12	230	60	Sept 28 1105		
1	SCOTLAND, E.																						
	Moray	Kinloss	...	18	13	13	6	25	81	433	3636	3642	1024	0	10.7	230	51	Sept 28 13	230	80	Sept 28 1250		
		Lossiemouth	..	31	24	18	9	32	78	437	3012	3850	1373	56	10.0	220	57	Sept 28 13	300	83	Sept 21 2215		
	Aberdeen	Dyce	...	72	10	10	2	9	63	330	3443	3390	1588	0	9.8	270	40	Sept 21 23	230	63	Sept 28 1805		
	Angus	Bell Rock	...	39	40	38	28	108	182	1710	4130	1957	851	4	14.7	240	49	Sept 21 22	240	67	Sept 21 2140		
	Perth	Tummel Bridge		161	16	16	0	0	9	23	1388	4495	2816	38	5.8	280	31	Sept 21 22	280	60	Sept 21 2150		
	Fife	Leuchars	...	25	13	13	4	16	92	581	3730	3458	975	0	11.1	230	41	Sept 21 20	240	63	Sept 28 1310		
	Midlothian	Turnhouse	...	43	13	10	1	1	44	207	3022	4292	1238	0	8.9	250	37	Sept 21 22	250	70	Sept 21 2110		
6a	SCOTLAND, W.																						
	Argyll	Tiree	...	27	18	14	44	217	184	1745	4126	1637	1035	0	14.9	150	48	Dec 19 05	280	74	Sept 21 1955		
		Machrihanish	..	24	13	13	9	22	112	916	4167	2827	824	4	12.5	290	42	Sept 21 21	250	65	Sept 21 1955		
	Dunbarton	Cumbernauld	..	166	10	10	4	10	59	377	3308	3604	1165	296	10.3	220	43	Sept 21 22	240	75	Sept 21 2145		
	Renfrew	Paisley	...	57	25	9	0	0	11	31	2320	3912	2497	0	7.2	190	28	Sept 28 09	240	57	Sept 21 2030		
		Abbotsinch	...	16	10	10	1	1	30	111	2723	4147	1778	0	8.5	220	36	Sept 21 21	240	58	Sept 21 2040		
	Ayr	Prestwick	...	21	10	10	1	1	34	156	2743	4182	1678	0	8.7	240	37	Sept 21 21	270	75	Sept 21 2035		
	Dumfries	Eskdalemuir	..	259	10	10	4	7	68	434	2632	3484	2203	0	8.9	230	38	July 19 05	240	65	Sept 21 2130		
	Wigtown	West Freugh	..	25	10	10	0	0	45	243	3669	3568	1124	156	10.1	280	32	Apr 12 07	300	50	(Feb 11 1730)		
																				280)	(Apr 12 0615)		
6b	ISLE OF MAN																						
		Ronaldsway	...	25	10	10	7	38	100	791	3357	3498	1086	0	11.3	080	40	Feb 19 17	240	56	Sept 21 2140		
		Point of Ayre		20	10	10	4	18	143	1192	4397	2661	492	0	13.6	270	41	Apr 12 08	130	60	Jan 17 1435		
2	ENGLAND, N.E.																						
	Durham	South Shields		22	17	13	1	1	47	332	2458	4204	1765	0	8.8	360	35	Feb 6 24	360	56	(Feb 6 2325)		
																				280)	(Sept 21 2305)		
	Yorks. N.R.	Leeming		42	10	10	0	0	15	66	1883	4484	2327	0	7.1	260	29	(Apr 12 08)	270	49	(Sept 21 2325)		
																				(Nov 19 14)	(Nov 19 1320)		
		Middlesbrough		23	19	19	3	8	68	431	4160	3209	868	84	11.2	240	38	Nov 2 21	240	60	Nov 2 2045		
	Lincoln	Cranwell	...	76	12	12	0	0	25	141	2627	4841	1096	55	8.7	260	32	Apr 12 10	270	49	Apr 12 1110		
		Binbrook	...	118	10	10	2	3	37	183	3385	4174	914	101	9.7	260	35	Apr 12 11	260	58	Apr 12 1020		
		Manby	...	26	10	10	0	0	18	78	2974	4647	1061	0	9.0	270	33	Apr 12 11	270	49	Apr 12 1025		
3	ENGLAND, E.																						
	Norfolk	Marham	...	29	10	10	0	0	22	106	2662	4601	1345	46	8.6	230	28	Nov 3 12	250	43	Apr 12 1140		
		West Raynham		93	17	14	3	12	78	506	4133	3665	428	16	11.6	260	40	Apr 12 12	270	62	Apr 12 1230		
		Coltishall	...	29	10	10	1	1	5	27	2516	4585	1631	0	8.0	270	34	Apr 12 13	270	61	Apr 12 1245		
	Bedford	Bedford	...	98	13	9	1	2	31	124	3285	4586	655	108	9.8	260	35	Apr 12 12	270	53	Apr 12 1115		
		Cardington	...	69	41	41	1	6	42	244	3452	4364	694	0	10.0	260	38	Apr 12 12	250	51	(Feb 1 1700)		
																				260)	(Apr 12 1110)		
	Hertford	Garston	...	94	15	10	0	0	1	1	709	5266	2784	0	5.5	260	22	Nov 9 14	290	45	Nov 9 1605		
		Rothamsted	...	141	13	10	0	0	1	3	787	5763	2207	0	6.0	280	23	Nov 9 16	260	50	Nov 9 1320		
	Essex	Stansted	...	108	10	10	0	0	10	26	2551	4730	1441	12	8.1	250	27	(Apr 12 13)	230	48	Nov 12 1400		
																				(Nov 9 17)			
		Shoeburyness		36	32	28	5	16	89	534	5054	2788	338	30	12.7	180	37	Dec 14 14	270	55	Nov 9 1335		
4	MIDLAND COUNTIES																						
	Yorks W.R.	Church Fenton		18	10	10	1	2	17	99	2336	4663	1312	348	8.5	250	34	Apr 12 09	250	56	Apr 12 0835		
	Notts.	Watnall	...	130	13	10	0	0	6	55	2314	5248	1143	0	8.2	050	30	Feb 20 08	270	46	Apr 12 1135		
		Finningley	...	19	10	10	1	3	21	79	2288	4489	1901	0	7.8	280	39	Apr 12 10	280	54	Apr 12 0925		
	Rutland	Cottesmore	...	143	13	13	1	2	31	133	3196	4335	845	249	9.6	270	35	Apr 12 12	270	51	Apr 12 1205		
	Warwick	Edgbaston	...	196	36	22	0	0	12	31	1198	5762	1769	0	6.5	070	24	(Feb 19 17)	070	46	Feb 19 2100		
		Elmdon	...	105	10	10	1	1	38	135	2772	5061	791	0	9.2	280	34	Apr 12 11	260	54	Feb 1 1535		
	Oxford	Brize Norton		91	13	10	0	0	16	69	2776	4524	1386	5	8.4	060	27	(Feb 19 24)	300	51	Nov 9 1515		
	Stafford	Keele	...	215	15	10	0	0	6	30	1427	4666	2637	0	6.3	060	29	Feb 20 18	060	52	Feb 20 1510		
	Worcester	Pershore	...	47	10	10	0	0	42	179	2851	4094	1554	82	8.9	280	32	Apr 12 11	330	51	Nov 9 1510		
	Gloucester	Fairford	...	78	10	10	0	0	10	35	2224	4860	1633	8	7.8	260	27	Mar 31 14	270	45	Aug 9 0415</		



Table IX (continued)

DISTRICT COUNTY AND PLACE			HEIGHT OF VANE IN METRES			DISTRIBUTION OF HOURLY MEAN VALUES OF WIND SPEED								Mean Hourly Wind Speed in knots	HIGHEST VELOCITIES								
			Above Mean Sea Level	Above Ground	Effective Height	34 knots or more (Gale Force)		22-33 knots		11-21 knots	4-10 knots	Less than 4 knots	No Record		Highest Hourly Wind			Highest Gust					
						No.of Days	Dur. in Hours	No.of Days	Duration in Hours				Veer from N		Speed in knots	Hour ended at day hour	Veer from N	Speed in knots	Day and Time				
5.	ENGLAND, S.E. — contd.																						
	Wiltshire	Larkhill ...	145	13	10	0	0	24	108	2723	4646	1283	0	8.8	060	30	Feb 19 23	260	55	Nov 9 1245			
		Boscombe Down ...	130	16	16	1	2	46	218	3482	3954	1104	0	10.0	290	34	Nov 9 15	290	59	Apr 12 0755			
		Porton ...	120	10	10	3	4	50	280	3489	3796	1056	135	10.2	190	35	Dec 14 10	270	64	Nov 9 1210			
7a	ENGLAND, N.W.																						
	Cumberland	Sellafield ...	25	12	11	0	0	28	132	2392	4537	1693	6	8.1	-	33	Apr 12 08	-	51	Apr 12 0650			
		Carlisle ...	41	13	9	1	1	35	195	3032	3682	1850	0	8.8	260	34	Jan 30 14	260	61	Sept 21 2200			
		Spadeadam ...	292	16	15	2	4	44	291	2844	4058	1521	42	9.2	230	36	Sept 21 22]	[240	62	Sept 21 2200]			
	Westmorland	Great Dun Fell	857	10	10	72	502	227	2435	3833	1699	277	14	18.0	060	60	Feb 20 05	250	74	Sept 21 2230			
	Lancashire	Squires Gate	26	16	11	5	20	85	612	4310	3262	556	0	12.0	270	39	Nov 8 13	270	58	Nov 8 1305			
		Aigburth ...	38	23	11	1	1	20	90	2462	4499	1708	0	8.1	230	34	Nov 2 17	220	51	Sept 21 2025			
		Southport ...	19	14	11	2	6	47	245	2232	3322	2866	89	7.5	280	37	Nov 8 14	280	53	Nov 8 1330			
		Fleetwood ...	34	15	9	3	16	64	375	2514	3918	1908	29	8.8	280	40	Apr 12 09	270	63	Nov 8 1030			
		Speke ...	30	10	10	1	3	33	147	3026	4243	1341	0	9.1	280	36	Apr 12 10	280	58	Apr 12 0940			
		Manchester/W.Centre	82	45	17	0	0	20	117	2725	4974	907	37	9.0	070	32	Feb 20 14	270	60	Oct 24 0420			
	Cheshire	Bidston ...	80	20	12	1	3	68	328	2855	4569	779	226	-	260	37	Apr 12 09	270	59	Nov 8 1305			
		Ringway ...	80	10	10	0	0	24	133	2720	4447	1460	0	8.6	060	33	Feb 20 17	270	53	Apr 12 1040			
7b	NORTH WALES																						
	Anglesey	Valley ...	26	16	12	22	86	141	1271	4055	2672	676	0	13.5	190	45	Dec 14 04	190	66	Dec 14 0335			
8a	SOUTH WALES																						
	Cardigan	Aberporth ...	135	13	11	7	24	96	692	4185	2956	903	0	11.8	140	41	Jan 17 11	140	61	Jan 17 1015			
	Pembroke	Milford Haven C.B.	47	10	10	2	4	47	245	3537	3606	1098	270	10.2	250	42	Feb 1 13	260	64	Feb 1 1235			
	Glamorgan	Port Talbot ...	28	12	11	2	10	64	303	2825	3752	1804	66	9.0	320	39	Nov 9 14	110	67	Feb 20 0225			
		Rhose ...	77	10	10	1	1	51	289	3377	4103	990	0	9.9	290	35	Nov 9 14	300	56	Nov 9 1340			
8b	ENGLAND, S.W.																						
	Devon	Mount Batten	64	13	13	4	18	57	357	3443	3986	956	0	10.2	240	44	Jan 17 19	240	62	Jan 17 1850			
		Chivenor ...	19	13	10	5	12	53	337	3178	4022	1211	0	9.6	240	39	Jan 17 21	240	60	Jan 17 1945			
	Cornwall	Scilly ...	70	20	17	16	77	93	810	3714	2791	1266	102	11.7	260	48	Jan 17 19	260	79	Jan 17 1850			
		St. Mawgan ...	120	13	13	7	24	68	474	3986	3455	821	0	11.1	290	41	Nov 9 12	280	63	Nov 9 0835			
	NORTHERN IRELAND																						
	Londonderry	Ballykelly ...	13	12	10	2	2	40	187	3693	3329	1549	0	9.7	280	34	Apr 12 05	250	57	Sept 21 1920			
	Antrim	Aldergrove ...	80	10	10	0	0	19	66	3277	4372	1045	0	9.2	300	27	Sept 21 21	250	47	Apr 11 2340			
		Ballypatrick Forest	166	13	13	13	50	131	1064	4953	2004	658	31	13.6	290	41	Apr 12 05	260	69	Sept 21 1945			
		Belfast Harbour	21	18	18	2	2	73	402	4103	2994	985	274	10.8	320	37	Nov 28 02	320	60	Nov 28 0130			
	Down	Kilkeel ...	35	18	14	4	27	93	636	3995	2917	1099	86	11.3	120	40	Jan 17 12	130	57	Jan 17 1110			
		Orlock Head	51	16	12	20	103	131	1022	4638	2540	411	46	13.3	080	40	Feb 22 15	290	64	Apr 12 0700			
	Tyrone	Carrigans ...	129	10	10	0	0	21	43	2639	3527	2527	24	7.3	120	27	Apr 17 12	290	51	Apr 12 0440			
	Fermanagh	Castle Archdale Frst.	80	13	13	0	0	18	55	2975	3937	1755	38	8.1	210	27	Sept 28 08	250	55	Sept 21 1905			
	CHANNEL ISLES																						
		Jersey Airport	109	26	13	9	29	105	703	4817	2896	315	0	12.8	310	40	Jan 16 06	280	66	Jan 17 2355			

Except for a few exposed sites in the United Kingdom where the annual number of hours greater than 33 kt. is about 100, the fluctuations in the value from year to year are so large that average values alone are of little value to the user. For this reason the column marked AV in Table IX has been discontinued.



TABLE X.—NUMBER OF HOURS WITH GUSTS EXCEEDING (A) 33KT. AND (B) 47 KT. IN EACH MONTH OF 1969

DISTRICT & STATION	NUMBER OF HOURS EXCEEDING 33 KNOTS													NUMBER OF HOURS EXCEEDING 47 KNOTS												
	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.	Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
0. SCOTLAND, N.																										
Lerwick	174	54	161	62	8	7	45	15	111	180	165	193	1175	6	6	33	0	0	0	0	0	23	41	13	62	184
Kirkwall	206	144	186	81	22	11	33	17	103	129	144	119	1195	21	26	14	1	0	0	0	0	30	26	33	7	158
Dounreay	[68]	[86]	174	72	45	12	5	39	[94]	[160]	[179]	[120]	*	[0]	6	9	1	0	0	1	1	[27]	27	[55]	12	*
Wick	137	91	219	99	29	1	16	16	74	111	99	88	980	1	5	24	10	0	0	0	0	30	12	8	8	98
Shin	27	5	66	[26]	2	4	[28]	2	40	49	33	18	*	4	0	1	1	0	0	1	0	13	3	1	1	25
Stornoway	182	94	75	46	6	13	27	13						20	7	0	1	0	0	0	0					
Duirinish	29	14	[5]	45	1	3	36	[3]	93	150	100	[23]	*	4	0	0	1	0	0	0	0	25	31	6	0	67
Benbecula	98	104	1	68	0	8	43	26	128	176	175	82	909	15	8	0	0	0	2	0	0	31	25	17	8	106
Corpach	[64]	54	99	61	22	11	[58]	5	[104]	[148]	77	[41]	*	11	3	9	2	0	0	[1]	0	[21]	25	18	1	*
Fort Augustus	9	2	8	2	0	4	13	0	30	32	12	8	120	1	0	0	0	0	0	0	0	8	5	0	0	14
Dalcross	[12]	[9]	1	14	0	3	14	0	48	38	19	14	*	0	0	0	0	0	0	0	12	0	0	1	13	
Cairngorm	[280]	116	91	[137]	64	79	244	63	[259]	[480]	235	[210]	*	87	31	61	20	0	0	57	0	127	[237]	90	[46]	*
1. SCOTLAND, E.																										
Kinloss	18	54	29	34	0	0	17	3	64	76	74	24	393	0	3	0	0	0	0	0	0	24	5	0	0	32
Lossiemouth	49	[67]	89	57	1	7	28	15	60	83	90	29	[575]	2	[12]	1	3	0	0	2	0	31	9	8	2	[70]
Dyce	26	41	74	46	2	1	3	15	41	21	44	33	347	1	1	0	2	0	0	0	0	14	0	2	1	21
Fraserburgh	[106]	101	156	[46]	0	0	0	32	69	59	178	67	0	1	14	12	0	0	0	0	35	8	18	0	0	0
Bell Rock	77	113	113	39	1	15	22	7	79	70	235	83	854	8	7	0	2	0	0	0	0	18	0	19	10	64
Rannoch	[19]	10	[24]	[4]	2	2	[13]	0	[34]	[73]	[57]	[3]	*	[1]	0	0	0	0	0	0	[10]	[4]	1	0	*	
Tummel Bridge	21	[1]	[0]	2	0	0	17	1	32	13	20	1	*	1	0	0	0	0	0	0	4	0	0	0	0	5
Leuchars	46	57	97	37	1	1	25	0	47	55	61	10	437	0	0	0	0	0	0	0	17	0	6	0	23	
Turnhouse	28	32	40	19	1	2	28	1	51	42	65	6	315	2	0	0	0	0	0	0	10	1	2	0	15	
6a. SCOTLAND, W.																										
Tiree	184	155	92	85	24	9	51	77	143	254	268	216	1558	30	29	6	18	0	2	0	0	48	46	75	28	282
Machrihanish	88	103	116	42	13	14	3	9	58	89	163	75	773	12	1	3	2	0	0	0	0	10	6	21	2	57
Cumbarndauld	[3]	[1]	84	27	18	0	24	0	58	53	74	3	*	0	0	1	0	0	0	0	15	0	3	0	*	
Paisley	20	17	49	29	7	5	11	0	37	63	37	4	279	1	1	0	0	0	0	0	7	0	1	0	10	
Abbotsinch	10	18	25	15	1	0	4	0	31	35	37	0	176	0	0	0	0	0	0	0	7	0	1	0	8	
Hunterston	17	12	[17]	5	10	*	*	*	*	*	0	0	0	0	0	0	0	*	*	*	*	*	0	0	0	0
Ardrossan	9	[75]	66	48	11	4	14	11	(70)	101	150	27	*	9	2	0	5	0	0	0	(11)	7	20	0	*	
Prestwick	27	26	8	35	5	3	1	0	41	38	74	8	266	2	0	0	3	0	0	0	2	1	2	0	10	
Eskdalemuir	55	87	39	63	3	1	43	10	69	95	101	24	590	1	3	1	2	0	0	4	1	13	9	8	0	42
West Freugh	34	22	35	23	1	0	2	4	[14]	27	13	[22]	*	0	1	0	1	0	0	0	1	0	0	0	3	
6b. ISLE OF MAN																										
Ronaldsway	90	92	106	39	0	1	9	8	24	50	76	105	600	0	20	0	2	0	0	0	1	0	1	0	24	
Point of Ayre	108	145	56	62	5	4	17	32	63	81	[97]	64	*	8	4	0	8	0	0	0	4	1	3	0	28	
2. ENGLAND, N.E.																										
Durham	26	44	15	[55]	2	0	*	4	30	20	69	11	*	3	1	0	2	0	0	*	0	7	0	6	0	*
South Shields	29	69	27	19	2	2	0	1	15	9	56	16	245	1	4	0	2	0	0	0	0	3	0	6	0	16
Leeming	9	5	0	26	0	0	1	1	9	0	23	2	76	0	0	0	0	0	0	0	1	0	1	0	2	
Middlesbrough	17	77	23	37	2	5	6	4	25	8	89	17	310	0	0	0	0	0	0	0	3	0	3	5	11	
Leconfield	12	30	5	19	1	1	0	*						0	0	0	2	0	0	0	*					
Waddington	9	10	0	10	0	0	0	0	1	0	19	5	9	9	0	0	2	0	0	0	0	0	0	0	0	9
Cranwell	4	6	9	18	0	0	0	0	3	1	41	4	86	0	0	0	1	0	0	0	0	0	0	0	0	0
Binbrook	14	31	3	17	0	0	0	1	11	2	50	24	153	0	0	0	3	0	0	0	0	0	0	2	5	
Manby	3	14	0	8	0	0	0	0	3	1	20	3	52	0	0	0	1	0	0	0	0	0	0	0	1	
3. ENGLAND, E.																										
Marham	6	12	0	10	1	0	0	0	1	0	52	3	85	0	0	0	0	0	0	0	0	0	0	0	0	0
West Raynham	55	73	40	56	9	13	1	8	10	0	87	37	389	1	9	0	6	0	0	0	0	0	1	0	17	
Watton	5	15	1	20	*									0	0	0	1	*								
Coltishall	2	14	0	10	0	0	0	0	1	0	33	3	63	0	0	0	1	0	0	0	0	0	0	0	1	
Gorleston	27	[104]	18	22	3	13	9	[5]	1	*	*	*	*	5	3	0	2	0	0	9	1	0	*	*	*	*
Mildenhall	18	28	6	28	2	0	0	0	3	0	32	4	121	0	0	0	3	0	0	0	0	0	1	0	4	
Bedford	16	19	9	36	1	0	0	0	1	0	[30]	6	*	0	0	0	3	0	0	0	0	0	0	0	3	
Cardington	22	17	9	37	4	0	0	0	6	0	62	10	167	0	1	0	2	1	0	0	0	0	1	0	5	
Garston	1	3	2	7	0	0	0	0	0	0	11	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0
Rothamsted	6	6	6	21	0	0	0	0	2	0	31	5	77	0	0	0	0	0	0	0	0	0	1	0	1	
Stansted	0	6	3	10	0	1	0	0	0	0	18	6	44	0	0	0	0	0	0	0	0	0	1	0	1	
Shoeburyness	47	45	8	49	9	2	4	0	1	0	89	51	305	1	2	0	1	0	0	0	0	0	9	0	13	
4. MIDLAND COUNTIES																										
Sheffield	21	7	1	22	1	3	10	5	7	9	54	7	*	0	0	0	2	0	0	0	1	0	0	0	*	
Church Fenton	21	18	3	31	0	0	1	0	14	2	30	4	*	1	0	0	3	0	0	0	0	0	1	0	5	
Watnall	9	37	9	17	0	0	0	0	4	0	26	7	109	0	0	0	0	0	0	0	0	0	0	0	0	0
Finningley	15	8	0	21	0	0	0	0	10	3	35	5	97	0	0	0	4	0	0	0	0	0	0	0	4	
Cottesmore	9	33	4	22	1	0	0	1	3	0	24	4	101	0	1	0	3	0	0	0	0	0	0	0	4	
Wittering	13	37	8	37	**									0	0	0	6	**								
Edgbaston	4	23	4	12	0	0	0	1	0	0	15	16	75	0	0	0	0	0	0	0	0	0	0	0	0	0
Elmdon	20	40	11	41	4	5	3	16	6	3	57	23	229	0	1	0	2	0	0	0	1	0	0	0	4	
Brize Norton	6	14	8	18	0	0	0	0	1	0	26	8	81	0	0	0	0	0	0	0	0	0	1	0	1	
Keele	20	59	49	29																						



Table X (continued)

DISTRICT & STATION	NUMBER OF HOURS EXCEEDING 33 KNOTS													NUMBER OF HOURS EXCEEDING 47 KNOTS												
	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
5. ENGLAND, S.E.																										
London/W. Centre	23	23	6	29	2	2	0	0	2	0	38	15	140	0	1	0	1	0	0	0	0	0	3	0	5	
Heathrow	16	22	5	23	3	0	0	0	0	0	27	11	107	0	0	0	0	0	0	0	0	0	2	0	2	
Hampton	18	29	6	31	4	0	0	1	1	0	55	18	163	0	1	0	0	0	0	0	0	0	6	0	7	
Kew	10	27	10	40	3	1	0	0	1	0	38	14	144	0	0	0	0	0	0	0	0	0	3	0	3	
Gatwick	21	9	4	25	0	1	0	0	0	0	29	5	94	0	1	0	1	0	0	0	0	0	1	0	3	
Isle of Grain	18	25	5	22	1	0	2	0	0	0	31	21	125	0	0	0	0	0	0	0	0	0	2	0	2	
Dover	46	24	6	28	2	1	6	0	4	0	[110]	50	0	0	1	0	3	0	0	0	0	0	14	0	0	
Manston	51	73	9	40	3	2	9	1	0	0	104	41	333	1	3	0	0	0	0	4	0	0	7	0	15	
Thorney Island	27	6	5	25	0	1	0	0	0	0	59	11	134	0	0	0	1	0	0	0	0	0	6	1	8	
Abingdon	13	16	5	9	0	0	0	0	2	0	11	1	57	0	0	0	0	0	0	0	0	0	0	0	0	
Hurn	19	5	5	10	0	0	3	0	0	0	32	6	80	0	0	0	1	0	0	0	0	0	0	0	1	
Calshot	24	3	2	8	3	1	3	0	1	0	52	[8]	*	0	0	0	0	0	0	0	0	0	2	0	2	
S. Farnborough	35	29	3	25	†									4	1	0	1	†								
Larkhill	28	28	6	31	1	0	0	0	0	0	26	23	143	1	1	0	0	0	0	0	0	0	3	1	6	
Boscombe Down	35	29	2	28	3	4	3	1	0	0	29	17	151	0	0	0	2	0	0	0	0	0	6	0	8	
Porton	35	26	5	36	5	10	6	0	1	0	46	34	198	0	0	0	1	0	0	0	0	0	8	3	12	
7a. ENGLAND, N.W.																										
Sellafield	30	7	4	15	0	1	1	0	11	5	24	13	111	0	0	0	2	0	0	0	0	0	0	0	2	
Carlisle	23	28	41	21	0	0	9	0	21	16	27	3	189	4	0	0	0	0	0	0	3	1	0	0	8	
Spadeadam	34	34	[75]	38	9	0	12	0	48	30	84	26	*	1	0	[11]	0	0	0	0	6	0	11	0	*	
Great Dun Fell	145	153	133	127	33	40	117	75	[72]	270	[85]	170	1620	22	49	2	23	0	0	17	0	42	46	31	17	249
Moor House	92	[53]	[38]	104	14	9	54	45	[115]	[139]	[119]	[75]	*	3	1	0	5	0	0	5	0	[14]	11	17	9	*
Squires Gate	24	55	48	41	5	4	5	28	56	33	129	16	444	1	0	0	5	0	0	0	5	1	9	0	21	
Aigburth	21	19	5	34	0	6	0	11	15	8	60	20	199	0	0	0	4	0	0	0	2	0	2	0	8	
Southport	23	40	5	22	0	1	2	23	23	23	91	9	262	1	0	0	3	0	0	0	0	1	0	13		
Fleetwood	45	52	17	37	0	3	2	24	52	33	[111]	22	*	3	1	1	9	0	0	0	1	1	8	0	25	
Speke	17	21	3	24	0	5	0	6	13	9	74	18	190	0	0	0	4	0	0	0	1	0	5	0	10	
Manchester/W. Centre	26	55	53	47	3	8	1	11	16	10	50	23	303	0	7	0	7	0	0	0	0	1	4	0	19	
Bidston	84	72	20	35	18	7	17	64	40	35	[84]	50	*	5	1	1	5	0	1	0	1	2	[10]	1	*	
Ringway	6	39	18	23	0	1	0	3	9	2	23	9	133	0	0	0	3	0	0	0	0	0	0	0	3	
7b. NORTH WALES																										
Valley	56	117	56	35	2	10	22	11	65	101	138	92	705	3	10	0	2	0	0	0	7	3	13	10	48	
8a. SOUTH WALES																										
Aberporth	129	103	18	55	10	7	0	8	14	13	141	82	580	13	6	1	1	0	0	0	0	8	1	30		
Milford Haven C.B.	76	67	11	35	1	8	0	0	11	9	97	55	370	7	5	0	0	0	0	0	0	4	7	23		
Brawdy	116	104	46	71	31	13	3	8	15	49	[123]	[112]	8	24	16	0	9	0	0	0	0	0	9	11	8	
Port Talbot	82	77	[20]	26	18	1	7	7	17	8	125	69	*	7	23	0	5	0	0	0	0	10	0	45		
Rhoose	56	60	31	38	2	5	0	2	11	2	81	23	311	7	1	0	1	0	0	0	0	8	0	17		
8b. ENGLAND, S.W.																										
Portland Bill C.G.	175	170	173	(42)	13	[13]	8	4	4	5	177	67	*	70	52	6	(4)	0	0	1	0	0	26	3	(162)	
Mount Batten	62	66	34	44	12	28	10	1	6	0	109	55	427	18	12	0	2	0	0	0	0	12	4	48		
Chivenor	63	63	5	34	2	10	1	1	0	1	90	[27]	*	7	3	0	3	0	0	0	0	8	0	21		
Scilly	151	158	32	49	21	19	[2]	1	[4]	8	195	185	*	24	28	0	2	0	1	1	0	0	35	31	122	
Lizard	201	165	107	95	43	[35]	[0]	*	5	[3]	[216]	196	*	45	53	0	7	0	3	[0]	*	0	[48]	21	*	
St. Mawgan	74	62	6	31	1	9	7	0	0	2	103	90	385	10	1	0	0	0	0	0	0	11	4	26		
NORTHERN IRELAND																										
Ballykelly	34	26	1	30	0	2	1	0	30	33	70	17	244	2	0	0	5	0	0	0	5	0	1	0	13	
Aldergrove	10	35	10	18	0	0	0	0	10	8	11	3	105	0	0	0	0	0	0	0	0	0	0	0	0	
Ballypatrick Forest	162	173	140	72	17	24	3	47	90	[193]	184	[189]	*	21	25	22	10	0	0	0	13	11	32	[17]	*	
Belfast Harbour	46	98	[5]	46	0	13	3	10	34	20	61	33	*	1	4	0	1	0	0	0	3	1	1	0	11	
Kilkeel	57	123	91	37	6	17	3	[7]	15	11	48	58	*	5	22	0	1	0	0	0	0	2	0	30		
Orlock Head	119	184	141	59	26	9	4	30	41	72	134	[120]	*	13	38	8	7	0	0	0	6	0	14	9	95	
Portadown	1	0	0	4	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Carrigans	51	37	22	38	4	0	8	4	21	21	36	12	254	2	1	0	2	0	0	0	1	0	0	0	6	
Castle Archdale F'st.	31	27	2	22	0	0	5	0	20	29	36	2	174	2	0	0	1	0	0	0	2	1	2	0	8	
CHANNEL ISLES																										
Jersey Airport	95	109	9	68	11	27	18	7	13	0	124	78	559	9	9	0	3	0	0	4	0	0	16	5	46	

\*Defective record † Anemograph dismantled for re-erection ‡ Incomplete record ∅ Anemograph out of order ‡ Record ceased  
 ¶ Record not commenced \*\*Record ceased temporarily



TABLE XI.—OCCASIONS ON WHICH THE MAXIMUM HOURLY MEAN WIND WAS 41 KNOTS OR MORE (STRONG GALE) DURING 1969

DISTRICT and STATION	DATE	Maximum hourly mean wind of 41 Knots or more			Maximum Speed in a gust during the day			Hours for which the mean speed exceeded 33 Knots on the date in the second column
		Hour Ended at	Direction	Speed	Time	Direction	Speed	
0 SCOTLAND, N.								
Lerwick	Feb 7	11	360	42	1140	350	61	11-15
	Sept 28	22	300	50	2225	300	74	12-16, 21-24
	Sept 29	01	310	44	0030	300	70	01-05
Kirkwall	Feb 7	11	340	53	0915	330	118	09-16
	Mar 8	14	280	47	1300	260	65	01-04, 12-16
	Sept 21	23	350	41	2240	350	64	23, 24
	Sept 28	20	310	54	1900	310	88	12-24
	Oct 27	07	260	42	0635	250	60	05-09
Dounreay	Nov 1	06	250	42	0525	250	65	04-07
	Mar 8	14	330	46	1315	330	63	13-23
	Sept 21	23	320	44	2210	310	73	22-24
	Sept 22	01	300	42	0015	300	64	01-04, 06
	Sept 28	19	300	69	1745- 2005	300	< 97	12-22
	Oct 29	05	290	41	0445	300	67	01-10, 16, 17
Wick	Feb 7	11	340	42	1030	340	58	10-14
	Mar 8	14	290	45	1335	290	63	13-16
	Sept 21	23	310	43	0010	310	71	23, 24
	Sept 28	16	220	58	1515	230	89	12-24
Shin	Sept 28	17	270	48	1625	270	77	11-18
Stornoway C.G.	Feb 6	11	350	44	1040	350	66	10-12
Duirinish	Sept 21	21	220	41	2050	310	71	17, 19-22
	Sept 28	15	260	46	0920	210	73	04, 06-18
Benbecula	Sept 28	14	270	51	1245	270	80	05-24
	Nov 8	10	310	43	0950	310	63	09-15
Corpach	Sept 28	13	210	43	1235	210	73	11-17
Cairngorm	Jan 17	21	-	55	1955	-	71	13-24
	Jan 18	01	-	45	0025	-	62	01-03
	Jan 29	24	-	43	2320	-	63	19-24
	Jan 30	08	-	51	0810	-	73	01-12, 15-24
	Jan 31	03	-	41	0305	-	62	01-04
	Feb 5	13	-	43	1320	-	73	09-22
	Mar 5	13	-	46	1315	-	65	03-15
	Mar 13	05	-	53	1855	-	68	01-24
	Mar 14	03	-	55	0305	-	75	01-21
	July 4	22	270	44	2125	270	68	01-09, 12-24
	Sept 21	22	260	64	2200	270	104	15-24
	Sept 22	01	270	50	0015	270	70	01-08, 10, 13, 14, 17-24
	Sept 23	24	210	50	2320	210	79	01-03, 14, 20-24
	Sept 24	04	220	49	0315	220	84	01-14
	Sept 25	23	220	53	2250	240	88	12-14, 19-24
	Sept 26	01	260	48	0050	260	76	01-08
	Sept 28	14	230	62	1530	260	106	01-24
	Sept 30	15	270	46	1430	270	70	03-17
	Oct 6	23	170	42	2320	170	61	21-24
	Oct 7	07	220	52	0610	220	85	01-22
	Oct 9	03	240	45	0315	240	71	01-05
	Oct 14	06	170	41	0520	170	62	02-07
	Oct 15	19	210	44	2125	220	79	04-06, 09-15, 17-23
	Oct 16	01	220	45	0045	220	79	01-07, 24
	Oct 23	24	240	48	1305	210	74	10-24
	Oct 24	01	290	50	0010	250	68	01-16, 18
	Oct 25	10	260	45	0415	220	74	04-24
	Oct 26	24	260	43	2359	260	62	01-10, 19-24
	Oct 27	02	260	51	0330	260	75	01-14
	Oct 29	02	270	44	0035	280	69	01-07, 23
	Oct 31	02	270	42	0040	270	58	01-05, 08-12
	Nov 1	08	260	50	0725	260	80	08-11
	Nov 2	19	260	54	1920	260	81	07-24
	Nov 18	07	-	51	1115	260	79	06-24
	Nov 19	06	260	46	0405	270	79	01-15, 17, 18
	Dec 7	03	240	55	0245	240	75	01-09
	Dec 13	11	170	44	1020	170	63	08-14
	Dec 18	24	150	42	2325	150	54	21-24
	Dec 19	06	150	48	0410	150	76	01-16
1. SCOTLAND, E.								
Kinloss	Sept 21	23	280	49	2205	270	77	22-24
	Sept 28	13	230	51	1250	230	80	11-24
Lossiemouth	Feb 7	14	340	45	-	-	59	12-16
	Sept 21	23	280	54	2215	300	83	22-24
	Sept 28	13	220	57	1145	250	81	10-24
Fraserburgh	Feb 7	13	340	49	1155	340	72	01, 11-18, 21, 23, 24
	Sept 21	24	310	60	2320	310	83	23, 24
	Sept 22	01	310	49	0005	310	67	01-06
	Sept 28	19	300	58	1850	300	81	17-24
	Sept 29	01	310	48	0135	320	63	01-08
	Sept 30	17	290	42	1050	300	60	11-13, 15-20
1. SCOTLAND, E. (contd.)								
Bell Rock	Sept 21	22	240	49	2140	240	67	19-24
	Nov 22	15	060	42	1550	060	52	07-20
Leuchars	Sept 21	20	230	41	1950	230	62	20-24
6a. SCOTLAND, W.								
Tiree	Apr 12	03	300	41	0115	260	63	01-09
	Sept 21	20	270	47	1955	280	74	15-23
	Sept 28	11	240	46	1035	240	73	02-04 06-23
	Nov 27	23	010	47	2215	010	66	22-24
	Nov 28	01	360	41	2350	330	60	01-09, 17, 19-24
	Dec 18	24	130	44	2350	130	57	21-24
	Dec 19	05	150	48	0345	140	67	01-09
	Sept 21	21	290	42	1955	250	65	21-23
Machrihanish	Sept 21	22	220	43	2145	240	75	21-23
Cumrunauld	Apr 12	06	310	41	0520	300	58	05, 06
Ardrossan	Sept 21	21	240	46	2030	260	63	20-23
6b. ISLE OF MAN								
Point of Ayre	Apr 12	08	270	41	0735	270	57	04-09
3. ENGLAND, E.								
Gorleston	Jan 17	19	160	41	1815	160	55	16-21
5. ENGLAND, S.E.								
Manston	Feb 7	22	360	42	2155	360	60	22, 23
7a. ENGLAND, N.W.								
Great Dun Fell	Jan 25	16	220	41	1445	220	54	09, 10, 12-18
	Jan 30	22	240	41	1140	250	57	03, 04, 06-13, 15-17, 19-24
	Jan 31	04	260	46	0320	260	64	01-05
	Feb 19	24	070	51	2350	070	60	09-24
	Feb 20	05	060	60	0455	060	67	01-24
	Feb 21	01	060	45	0110	060	50	01-15
	Mar 16	11	070	44	1055	080	51	04-23
	Apr 9	18	220	46	1740	210	57	13-24
	Apr 12	02	240	41	0135	240	56	01-04, 07, 08
	Apr 21	12	080	41	1145	080	50	05-15
	July 18	24	220	42	2310	230	53	13-24
	July 19	03	230	45	0225	230	56	01-14
	Sept 21	23	250	54	2230	250	74	13-24
	Sept 26	02	230	44	0155	230	56	01-09, 11-18, 20, 21, 24
	Sept 28	13	210	49	1220	220	65	02, 03, 07-20
	Oct 8	18	220	42	1810	220	54	09-22
	Oct 15	14	220	44	1345	220	59	12-24
	Oct 16	04	220	47	0320	220	62	01-08
	Oct 23	16	220	41	1455	220	51	11-18
	Oct 24	12	260	41	0320	250	64	09-15
	Nov 2	14	240	46	1330	230	58	01-24
	Nov 19	15	260	43	1415	270	59	02-08, 10-16, 20
	Dec 14	05	190	45	0435	190	65	01-12
	Dec 21	12	220	42	1125	220	53	09-14, 16-19, 23, 24
	July 5	01	250	42	0050	250	54	01-03
Moor House								
7b. NORTH WALES								
Valley	Dec 13	24	190	43	2335	190	55	21-24
	Dec 14	04	190	45	0335	190	66	01-07
8a. SOUTH WALES								
Aberporth	Jan 17	11	140	41	1015	140	61	10-12
Milford Haven C.B.	Feb 1	13	250	42	1235	260	64	12, 13
Brawdy	Jan 17	11	150	44	1010	150	65	09-12
8b. ENGLAND, S.W.								
Portland Bill	Jan 7	13	170	47	1710	170	61	04-20
Lighthouse	Jan 9	24	110	42	2310	120	49	19-24
	Jan 16	07	310	44	1500	300	56	06-20
	Jan 17	22	260	57	2100	260	77	09-24
	Jan 18	01	270	54	0040	270	70	01-16, 19, 20, 22
	Feb 7	17	330	41	1630	340	57	15-20
	Feb 18	24	080	50	2310	080	60	11-24
	Feb 19	04	080	55	0550	080	67	01-24
	Feb 22	03	080	42	0300	090	48	01-06
	Mar 31	15	240	43	1430	240	51	09-18
Portland Bill C.G.	Apr 12	09	290	44	0750	290	60	08-12, 17, 18
	Nov 9	14	280	45	1230	270	73	09-20
	Nov 15	07	270	43	0525	270	60	03-09
Mount Batten	Jan 17	19	240	44	1850	240	62	16-24
	Dec 14	09	230	41	0835	220	59	07-09
Scilly	Jan 17	19	260	48	1850	260	79	08, 15-24
	Feb 19	02	060	41	0210	070	65	01-06
	Nov 9	11	290	42	0935	290	68	05-16
Lizard	Jan 16	03	320	44	0150	320	63	02-08
	Jan 17	20	270	55	1940	270	77	07-11, 13-24
	Jan 18	02	280	44	0110	290	65	01-06, 08
	Feb 18	24	100	47	2350	100	69	08, 10-24
	Feb 19	03	100	48	0030	110	71	01-12, 14, 15
	Nov 9	12	280	48	1100	280	74	06-14, 17, 18
	Dec 14	07	210	42	0800	220	58	04-08, 23, 24
	Nov 9							



TABLE XII.—DATES ON WHICH GUSTS EXCEEDED 47 KT. DURING 1969

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

DISTRICT and STATION	DATES	DISTRICT and STATION	DATES
0 SCOTLAND, N.		4. MIDLAND COUNTIES	
Lerwick	Jan 1, 14, 21, 30, Feb 5, 7, Mar 7, 8, 14-17, Sept 21, 26-30, Oct 7, 9, 15, 25-29, Nov 1-7, 18, 19, 24, 29, Dec 7, 11, 13-15, 19, 21, 23	Sheffield	Apr 12, Sept 21.
Kirkwall	Jan 1, 5, 8, 13, 14, 30, Feb 2, 6-8, 13, Mar 8, 14, 17, Apr 13, Sept 21, 22, 26, 28-30, Oct 25-29, 31, Nov 1, 3, 18, 19, 28, Dec 14, 19, 21.	Church Fenton	Jan 30, Apr 12, Nov 8.
Dounreay	Feb 7, Mar 8, 15, 16, Apr 13, July 4, Aug 27, Sept 17, 21, 22, 26, 28, Oct 24, 25, 27-29, Nov 1, 3, 4, 8, 18, 19, 26-28, Dec 1, 2, 14, 21.	Finningley	Apr 12.
Wick	Jan 20, Feb 7, Mar 8, 14, 16-18, Apr 10, 13, 22, Sept 21, 22-30, Oct 24, 25, 28, 29, Nov 1, 19, 28, Dec 14, 19, 21.	Cottesmore	Feb 20, Apr 12.
Shin	Jan 30, Mar 8, Apr 10, July 4, Sept 21, 26, 28, 30, Oct 25, 27, 29, Nov 1, Dec 19.	Wittering	Apr 12. Defective record, May. No record after May pending re-siting of instrument.
Stornoway, C.G.	Jan 5, 7, 8, 25, 30, Feb 5, 6, Apr 9.	Elmdon	Feb 1, Apr 12, Sept 21.
Duirinish	Jan 30, Apr 11, Sept 21, 25, 28, 30, Oct 7, 14, 15, 23, 24, 29, Nov. 1, 7, 8.	Brize Norton	Nov 9.
Benbecula	Jan 30, 31, Feb 5, 7, 11, June 26, Sept 21, 25, 28, 30, Oct 6, 7, 15, 23, 24, 28, Nov 1, 8, 19, 28, Dec 19, 21.	Keele	Feb 19, 20.
Corpach	Jan 10, 17, 30, 31, Feb 5, Mar 13, 16-18, Apr 10, 15, July 18, Sept 25, 26, 28, 30, Oct 7, 15, 16, 23, 24, Nov 1, 2, 8, 19, 20, Dec 19.	Pershore	Mar 31, Apr 12, Nov 9, Dec 14.
Fort Augustus	Jan 30, Sept 21, 28, Oct 15, 23.	Avonmouth	Apr 12, Nov 9, 12, 28, Dec 14.
Dalcross	Sept 21, 28, 30, Dec 19.	5. ENGLAND, S.E.	
Cairngorm	Jan 1, 3, 10, 17, 18, 20, 21, 24-27, 29-31, Feb 5, 19, 20, 22, Mar 7, 8, 12-14, Apr 8-12, 14, 15, July 3, 4, 5, 18-21, 25, Sept 9, 20-30, Oct 2, 3, 5-9, 13-17, 23-31, Nov 1, 2, 5-8, 10, 13, 18, 19, 22, Dec 1, 5, 7, 9, 13, 14, 17-19, 21, 30.	London W/Centre	Feb 7, Apr 12, Nov 9, 12.
1. SCOTLAND, E.		Heathrow	Nov 9.
Kinloss	Feb 6, 7, Sept 21, 28-30, Oct 7, 25, 29.	Hampton	Feb 7, Nov 9, 15.
Lossiemouth	Jan 5, 30, Feb 1, 2, 6, 7, Mar 8, Apr 10, 12, 15, July 4, Sept 21, 22, 28-30, Oct 7, 23, 27-29, Nov 4, 8, 18, 19, 28, Dec 14, 19.	Kew	Nov 9, 12, 13.
Dyce	Jan 30, Feb 2, Apr 12, Sept 21, 22, 28, Nov 19, 29, Dec 14.	Gatwick	Feb 7, Apr 12, Nov 9.
Fraserburgh	Jan 30, Feb 6-8, Mar 8, 13, 14, 16, 17, Sept 21, 22, 28-30, Oct 29, Nov 2, 4, 8, 18, 19, 28, 29, Anemograph out of order May-July.	Isle of Grain	Nov 9.
Bell Rock	Jan 17, 18, 30, Feb 1, 2, 6, 7, Apr 11, 12, Sept 21, 22, 25, 26, 28, Nov 1, 2, 8, 19, 22, 28, Dec 14, 19, 21.	Dover	Feb 7, Apr 12, 26, Nov 9, 12, 14-16, Anemograph out of order during October.
Rannoch	Jan 30, Sept 28, Oct 23-25, Nov 19.	Manston	Jan 13, Feb 7, July 7, Nov 9, 15.
Tummel Bridge	Jan 30, Sept 21, 28, 30.	Thorney Island	Apr 12, Nov 9, 12, 15, Dec 14.
Leuchars	Sept 21, 26, 28, 30, Nov 2, 19, 22.	Hurn	Apr 12.
Turnhouse	Jan 30, Sept 21, 28, Oct 23, Nov 2, 19.	Calshot	Nov 9.
6a. SCOTLAND, W.		South Farnborough	Jan 17, 18, Feb 7, Apr 12, Record ceased April 30.
Tiree	Jan 5, 9, 10, 16, 17, 30, 31, Feb 1, 2, 5, 7, 8, 11, 13, Mar 16, Apr 11, 12, 15, 16, June 26, Sept 21, 23-26, 28, 30, Oct 6, 7, 15, 23, 24, 29, Nov 1, 2, 4, 7, 8, 13, 16, 18-20, 22, 27-29, Dec 13, 14, 18-22.	Larkhill	Jan 17, Feb 6, Nov 9, 12, Dec 30.
Machrihanish	Jan 17, 30, 31, Feb 11, Mar 18, Apr 12, Sept 21, 28, 30, Oct 23, 24, Nov 8, 9, 19, 20, 22, Dec 19.	Boscombe Down	Apr 12, Nov 9, 12.
Cumbar-nauld	Apr 12, Sept 21, 28, Nov 2.	Porton	Apr 12, Nov 9, 12, Dec 14, 30.
Paisley	Jan 30, Feb 5, Sept 21, 28, Nov 2.	7a. ENGLAND, N.W.	
Abbotsinch	Sept 21, 28, Nov 2.	Sellafield	Apr 12.
Ardrossan	Feb 11, Apr 11, 12, Sept 21, 28, Oct 24, 29, Nov 4, 7, 8, 10, 19, 20, Record commenced Feb 1.	Carlisle	Jan 30, 31, Sept 21, 28, Oct 24.
Prestwick	Jan 30, Apr 11, 12, Sept 21, 28, Oct 24, Nov 9, 10.	Spadeadam	Jan 30, Mar 16, Sept 21, 28, Nov 2, 19.
Eskdalemuir	Jan 30, Feb 2, 11, Mar 13, Apr 12, July 19, Aug 27, Sept 21, 26, 28, 30, Oct 7, 8, 15, 24, Nov 2, 8, 18, 19, Feb 11, Apr 12, Sept 21.	Great Dun Fell	Jan 25, 27, 28, 30, 31, Feb 19-21, Mar 16, Apr 9, 11, 12, 14, 15, 21, 24, 25, July 18, 19, Sept 21, 22, 25-28, 30, Oct 7, 8, 14-16, 23-25, 31, Nov 2, 18, 19, Dec 13, 14, 21.
West Freugh		Moor House	Jan 25, 30, 31, Feb 6, Apr 9, 12, 14, 25, July 4, 5, 19, Sept 21, 22, 24, 26, 28, Oct 7, 16, 24, 25, 28, Nov 1, 2, 8, 18-20, Dec 7, 14, 21.
6b. ISLE OF MAN		Squires Gate	Jan 30, Apr 12, Sept 21, 28, Oct 24, Nov 4, 8.
Ronaldsway	Feb 19, 20, Apr 12, Sept 21, Nov 8.	Aigburth	Apr 12, Sept 21, 28, Nov 2.
Point of Ayre	Jan 17, 30, 31, Feb 6, 11, 20, Apr 11, 12, Sept 21, 28, Oct 24, Nov 2, 8.	Southport	Jan 17, Apr 12, Oct 24, Nov 8, 20.
2. ENGLAND, N.E.		Fleetwood	Jan 17, 30, 31, Feb 20, Mar 13, Apr 12, Aug 27, Sept 21, Oct 24, Nov 8, 9.
Durham	Jan 30, 31, Feb 2, Apr 12, Sept 21, 28, Nov 2, 18, 19.	Speke	Apr 12, Sept 21, Nov 2, 8.
South Shields	Jan 30, Feb 2, 6, 7, Apr 12, Sept 21, 22, Nov 19, 25, 28, Sept 21, Nov 19.	Manchester W/Centre	Feb 20, Apr 11, 12, Oct 24, Nov 2, 8.
Leeming	Sept 21, Nov 2, Dec 14.	Bidston	Jan 17, 30, 31, Feb 19, Mar 31, Apr 12, June 20, Aug 28, Sept 21, Oct 24, Nov 7-9, 28, Dec 15.
Middlesbrough	Apr 12, Record ceased, August 31.	Ringway	Apr 12.
Leconfield	Apr 12.	7b. NORTH WALES	
Waddington	Apr 12.	Valley	Jan 17, Feb 1, 7, 19, Apr 12, Sept 21, 28, Oct 7, 8, Nov 2, 7, 8, 28, Dec 13-15, 20, 22.
Cranwell	Apr 12.	8a. SOUTH WALES	
Binbrook	Apr 12, Dec 14.	Aberporth	Jan 7, 16-18, Feb 1, 6, 7, Mar 31, Apr 12, Nov 9, 28, Dec 14.
Manby	Apr 12.	incomplete record for August.	
3. ENGLAND, E.		Milford Haven C.B.	Jan 17, Feb 1, 19, Nov 4, 8, 9, Dec 14.
West Raynham	Jan 17, Feb 1, 2, 6, 19, 20, Apr 12, Nov 4.	Brawdy	Jan 16-18, 31, Feb 1, 2, 6, 7, 11, Apr 12, Nov 4, 10, 11, 16, 28, 29, Dec 6, 13-15, 17.
Wotton	Apr 12.	Port Talbot	Jan 6, 17, 18, Feb 1, 6, 7, 11, 19, 20, Apr 12, Nov 9.
Coltishall	Apr 12.	Rhoose	Jan 17, 18, Feb 1, Apr 12, Nov 9, 12.
Gorleston	Jan 17, Feb 3, 7, 20, Apr 12, Aug 23, Incomplete record, July. Defective record Oct-Dec.	8b. ENGLAND, S.W.	
Mildenhall	Apr 12, Nov 9.	Portland Bill C.G.	Jan 7, 9, 10, 12-18, Feb 1, 6, 7, 11, 12, 18, 19, 22, Mar 13, 22, 31, Apr 12, July 29, Nov 8, 9, 12, 15, 28, Dec 14, 15.
Bedford	Apr 12.	Mount Batten	Jan 7, 16-18, Feb 7, 18, 19, Apr 12, Nov 9, 11, 12, 15, Dec 14.
Cardington	Feb 1, Apr 12, May 9, Nov 9.	Chivenor	Jan 17, 18, Feb 19, Apr 12, Nov 9, 12.
Rothamsted	Nov 9.	Scilly	Jan 14-18, 27, Feb 1, 7, 12, 18, 19, Apr 12, June 20, July 28, Nov 6, 8, 9, 12, 14, 16, 17, Dec 2, 3, 14, 15, 22.
Stansted	Nov 12.	Lizard	Jan 14-18, Feb 1, 2, 6, 7, 11, 12, 18, 19, Apr 12, June 17, 20, Nov 6-12, 14, 16, 17, 23, Dec 2, 14, 15, 30.
Shoeburyness	Jan 17, Feb 6, 7, Apr 12, Nov 9, 12, 15.	St. Mawgan	Jan 16-18, Feb 19, Nov 8, 9, 14, Dec 15.
		NORTHERN IRELAND	
		Ballykelly	Jan 30, Apr 11, 12, Sept 21, 28, Nov 8.
		Ballypatrick Forest	Jan 10, 16, 17, 20, 30, 31, Feb 2, 7, 11, 19, 20, 22, Mar 13, 16, 18, Apr 11, 12, Sept 21, 26, 28, Oct 7, 15, 16, 23-25, Nov 2, 4, 8, 19-22, 28, Dec 6, 7, 13, 17-21, 29.
		Belfast Harbour	Jan 30, Feb 11, 20, Apr 12, Sept 21, 28, Oct 24, Nov 28.
		Kilkeel	Jan 17, Feb 2, 11, 19, 20, Apr 12, Nov 8, 28.
		Orlock Head	Jan 7, 9, 10, 17, 30, 31, Feb 1, 2, 7, 11, 19, 20, 22, Mar 12, 13, 18, Apr 11, 12, Sept 21, 28, Nov 2, 4, 8, 21, 22, 28, Dec 6, 17, 29.
		Carraigans	Jan 17, 30, Feb 11, Apr 12, Sept 21.
		Castle Archdale Forest	Jan 30, Apr 12, Sept 21, 28, Oct 24, Nov 8, 19.
		CHANNEL ISLANDS	
		Jersey Airport	Jan 16-18, Feb 2, 7, 8, 11, 12, 18, Apr 12, 22, July 6, 7, Nov 8, 9, 12, Dec 15.



TABLE XIII.—SOLAR RADIATION AND ILLUMINATION FOR THE YEAR 1969

STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE milliwatt - hours per square centimetre						DIFFUSE RADIATION ON A HORIZONTAL SURFACE milliwatt - hours per square centimetre						TOTAL ILLUMINATION ON A HORIZONTAL SURFACE kilolux - hours					
	MAX.	DATE	MIN.	DATE	DAILY MEAN	No. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	No. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	No. OF DAYS
Lerwick ...	813	13 June	1	26 Dec.	215.3	365	413	11 July	1	26 Dec.	136.2	364	825	13 June	1	20 Dec.	222.4	365
Eskdalemuir ...	828	10 June	2	29 Dec.	219.7	365	400	7 June	2	29 Dec.	135.0	364	936	10 June	4	29 Dec.	252.6	365
Cambridge *	815	9 June	8	25 Dec.	257.9	365	422	28 June	8	25 Dec.	152.8	365	—	—	—	—	—	—
London W./Centre	765	10 June	10	14 Dec.	244.8	365	339	15 June	10	12 Jan. 14 Dec.	137.4	365	923	9 June	12	14 Dec.	297.2	365
Kew ...	755	30 June	10	12 Dec.	250.4	365	359	26 June	10	12 Dec.	146.4	365	939	30 June	15	12 Dec.	307.3	365
Bracknell ...	778	9 June	11	12 Dec.	254.5	365	390	26 June	11	12 Dec.	152.3	365	906	4 July	13	12 Dec.	295.3	365
Aberporth ...	835	5 June	11	18 Dec.	283.0	364	423	12 July	11	18 Dec.	154.3	363	—	—	—	—	—	—
Aldergrove ...																		
Jersey Airport	855	2 June	14	19 Dec.	323.7	364	414	10 July	14	19 Dec.	161.6	364	965	2 June	—	—	—	—

\* Meteorological Research Unit

TABLE I.—CORRECTIONS 1969

DISTRICTS	MONTH	AIR TEMPERATURE °C					Earth Temp °C		Rain days	Rain-fall	Sun-shine	
		*Highest Max.	*Lowest Min.	Max.	Min.	Mean	Mean 30 cm	Mean 122 cm				
		Difference from Average										% of Average
1. SCOTLAND, E. 4. MIDLANDS 5. ENGLAND, S.E. 6. SCOTLAND, W. 7. England, N.W.& N.Wales N. IRELAND SCOTLAND ENGLAND& WALES 3. ENGLAND, E. 5. ENGLAND, S.E. 6. SCOTLAND, W. N. IRELAND SCOTLAND ENGLAND& WALES 0. SCOTLAND, N. 3. ENGLAND, E. 5. ENGLAND, S.E. 6. SCOTLAND, W. 8. England, S.W. & S.Wales SCOTLAND ENGLAND & WALES 5. ENGLAND, S.E. 8. England, S.W. & S. Wales N. IRELAND SCOTLAND ENGLAND & WALES 0. SCOTLAND, N. 4. MIDLANDS 5. ENGLAND, S.E. 7. England, N.W. & N.Wales 8. England, S.W. & S.Wales N. IRELAND SCOTLAND ENGLAND& WALES 0. SCOTLAND, N. 5. ENGLAND, S.E. 6. SCOTLAND, W. 7. England, N.W. & N.Wales 8. England, S.W. & S.Wales SCOTLAND	January					+2.2 +2.0	+0.9 +1.0 +1.1				70 76	
	February			+1.6	-2.4	+1.9		0.0			95	
	March					-3.1			+3 +1 0 -7	49 136	106	
	April			-2.2	-2.4	-2.3	-1.0 -1.1	-0.5 -0.6		135	64	
	May	18.9		-0.7 -0.9	-0.2 -0.6	+0.2 +0.4				103 82 97 109	121 67	
	June	25.0			+0.6 0.0		-0.6 -0.4 -0.6 -0.7	-0.6 -0.4		164 133 184 83	73 69 75 119	
					-0.2		-0.7 +0.4 -0.7	-0.3 -0.4 -0.3			118	







TABLE III.—ADDITIONS AND CORRECTIONS

[illegible]



TABLE III.—ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	Terminal hr. GMT of observation	Height of Station above MSL (metres)	AIR TEMPERATURE IN DEGREES CELSIUS								Mean Earth Temper- atures °C		RAINFALL (Terminal hr. 9 GMT)				WEATHER Number of days												BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
					Means of		Daily mean (mean of A & B)	Difference from 1931 - 60 average	Highest Maximum and Lowest Minimum						Total fall (mm)	Percentage of 1916 - 50 average	Most in a Day		Precip'n 0.2 mm or more	1.0 mm or more	Snow or Sleet	Snow lying at 9hr.	Hail	Ice pellets etc.	Thunder heard	Fog at 9hr.	Air Frost t below 0° C	Grass min. below 0° C	Concrete min. below 0° C	Gale	Daily mean (hr.)	Percentage of 1931 - 60 average	Exposure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
					Max. (A)	Min. (B)			Maximum	Date	Minimum	Date	Amount (mm)	Date																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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TABLE III.—CORRECTIONS TO SPEKE

(a) Percent of average (Rainfall)

(b) Difference from average (Temperature)

		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1966	(a)								87	72	115	83	167	
	(b)								-1.2	+0.5	0.0	-0.8	+0.5	
1967	(b)	+1.2	+1.7	+1.6	-0.4	-1.4	+0.4	+0.7	-0.4	+0.2	+0.6	-1.4	-0.2	+0.3
1968	(b)	+1.2	-2.3	+0.6	-0.1	-1.7	+0.7	-0.8	+0.2	+0.2	+2.5	-0.6	-1.6	-0.1
1969	(b)	+1.8	-3.1	-2.6	-0.7	-0.6	-0.2	+0.9	+0.5	+0.8	+2.9	-1.5	-1.5	



TABLE IV.—CORRECTIONS

YEAR	MONTH	STATION	Height of Barometer above MSL (in metres)	Hour of Observation GMT	Mean Pressure in Mbs		Mean Temperature and Humidity				Cloud Amount (Oktas)							Visibility (Kilometres)
					At Mean Sea Level	Difference from average	Dry Bulb °C	Depression of Wet Bulb °C	Vapour Pressure (mb)	Relative Humidity %	Mean	0	1 – 2	3 – 5	6 – 7	8	9	4 – 9
											Number of Observations							
1945	April	Hartland Point		1500														
1968	August	Hartland Point		2100	1015.7	—	15.4	1.0	10.1	75								
	October	Hartland Point		2100	1013.4	—	13.4	0.8	15.7	90								
1969	June	Point of Ayre		1500					14.0	91	5.8							6

TABLE VIII.—ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	MAXIMUM TEMPERATURE °C								MINIMUM TEMPERATURE °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
1961	June	Cambridge	0	0	0	1	10	14	5	6	0	0	0	0	3	15	12	0
1965	September	Cockle Park	0	0	0	18	11	1	0	0	0	0	0	0	3	21	6	0
1968	May	Stonyhurst	0	0	4	20	6	1	0	0	0	0	0	0	15	16	0	0
1969	September	Hastings																4
	October	Cambridge	0	0	0	7	17	7	0	0	0	0	0	0	4	17	10	0
	May	Cambridge														20		

TABLE XIII.—ADDITIONS AND CORRECTIONS

YEAR	MONTH	STATION	TOTAL RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						DIFFUSE RADIATION ON A HORIZONTAL SURFACE milliwatt-hours per square centimetre						TOTAL ILLUMINATION ON A HORIZONTAL SURFACE kilolux - hours					
			MAX.	DATE	MIN.	DATE	DAILY MEAN	No. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	No. OF DAYS	MAX.	DATE	MIN.	DATE	DAILY MEAN	No. OF DAYS
1969	January	Eskdalemuir					59.6	31							112	31	10	7	40.6	31
	March	Aberporth											140.1	31						
		Aberporth	472	28																
	May	Aberporth					433.5	31					259.9	31						
		Eskdalemuir															77	6	347.6	31
	June	Lerwick							398	14			289.8	30						
	July	Lerwick					396.1	31					268.0	31					419.6	31
		Eskdalemuir					390.9	31					246.0	31					447.6	31
	August	Lerwick											213.6	31						
		Eskdalemuir																	405.7	31
	September	Lerwick	423	14	78	20	207.9	30	242	3	76	9	140.5	30	398	6	84	28	210.6	30
		Eskdalemuir					217.5	30					138.8	30	580	2	38	18	247.4	30

## DISTRICT VALUE STATIONS

Any discrepancies between District Value symbols used in Table III and stations listed on page (vi) of the Introduction are technically unavoidable. The stations listed in the Introduction were used throughout the year.







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